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790PS

Technical Memorandum No. 33-99

Volume 3, Part B

Earth-Venus Trajectories, 1967, VOLUME 3, PART B

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July 1, 1963 789p refs

(NASA Contract NAS 7-100)

(NASA CR-51010; JPL-TM-33-99, Vol. 3, PT. B) OTS: \$31.00ph, \$23.87mf

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4742003

July 1, 1963

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Prepared Under Contract No. NAS 7-100
National Aeronautics & Space Administration

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FOREWORD

This volume is one of a set of five giving key characteristics of Earth-to-Venus trajectories during the period 1964-1970. This period is divided into five 120-day launch intervals spaced about 19.2 months apart. During each interval, trajectory characteristics are given for flight times of from 70 to 220 days in 2-day steps. Thus each volume contains 9,120 trajectories.

The applicability of these books may be extended by noting the 8-year cyclic recurrence of Earth-Venus trajectories. Thus trajectories in 1972 are very nearly identical to 1964 trajectories; 1973 trajectories are very nearly identical to 1965 trajectories, etc. Simply by updating the trajectories by 8 years, the results may be reapplied.

It is intended that these books provide trajectory and guidance analysts with data, in volume, so that they may perform preliminary design studies, conduct investigations of the properties of ballistic interplanetary trajectories, and make interplanetary guidance and orbit determination analyses. While not exact, these trajectories are sufficiently accurate to be quite useful for the above purposes.

In generating such a large amount of data, it is impossible to check the correctness of each number. Should the reader detect any errors, the authors would appreciate being advised.

Companion volumes (Ref. 1) give the characteristics of Earth-Mars trajectories during the period 1964-1977.

I. INTRODUCTION

ABST 21337
This report presents the results of extensive machine computations of three-dimensional ballistic interplanetary trajectories. The analytic model used to represent these trajectories is based upon two-body, inverse-square, force field mechanics. A brief explanation of the model is presented in Section II.

Basically, the trajectories are calculated in two distinct parts: (1) the heliocentric transfer ellipse and (2) the launch-planet-centered escape trajectories. Following these trajectories, differential corrections or error coefficients and guidance and tracking parameters are given.

A. Heliocentric Conic Computation

The heliocentric trajectory is obtained by specifying the launch date and flight time only. Given these, the positions of the launch planet on the launch date and the target planet on the arrival date may be obtained by interrogating the ephemerides. By assuming the planets to be massless, a unique heliocentric trajectory may then be computed which passes through the centers of the launch and target planets. Though this assumption may at first seem gross, experience has proved it to be perfectly reasonable for this purpose. After the solution has been obtained by an iterative procedure, the orbital elements, heliocentric position, and velocity vectors at launch and arrival are computed. Other heliocentric quantities of engineering interest are also computed.

B. Planetocentric Conic Computation

After the heliocentric orbit is obtained, the launch and arrival hyperbolic-excess velocity vectors are computed by subtracting the velocity vectors of the launch and target planets from the heliocentric launch and arrival velocity vectors of the probe. The launch hyperbolic-excess vector is, in fact, the most important result of these computations because it yields the energy and direction of fire required to achieve interplanetary transfer.

Further computations are done to exhibit properties of the near-Earth portion of the trajectories. Given the launch hyperbolic-excess vector, a launch site (Cape Canaveral), a launch azimuth, and certain properties of a typical interplanetary boost vehicle, and assuming a 100-nm parking orbit, quantities such as launch time, injection position and velocity vectors, parking orbit coast time, and injection time are computed. In essence, then, approximate trajectories are obtained from the

launch pad to the target. The terminal portions of the trajectories are assumed to impact vertically on the target planet.

C. Differential Corrections

To augment the trajectory parameters, differential corrections or error coefficients relating variations in the launch hyperbolic-excess velocity vector to variations in target miss and flight time are computed. Actually, the variables at launch in these coefficients are the square of the hyperbolic-excess speed, or *vis viva* energy C_3 , and the declination and right ascension of a unit vector S , collinear with the outgoing asymptote of the escape hyperbola. The target variables are the components of the impact parameter B , defined below, and the flight time. These coefficients are obtained by a numerical differencing technique developed by William Kizner of JPL.

Based upon these error coefficients, guidance and tracking parameters are calculated as described below.

D. Mid-Course Guidance

Interplanetary guidance is currently being accomplished by determining the orbit of the probe from radio tracking data and then applying one or more impulsive velocity corrections to null the predicted target error. The guidance task closely parallels the trajectory problem, for it is convenient to define the following guidance "phases":

1. Planetocentric phase, in which, after the launch vehicle has placed the probe on its escape hyperbola, the orbital elements of this trajectory are determined and the hyperbolic-excess velocity is corrected to the desired value.
2. Heliocentric phase, in which additional velocity corrections may be made to correct any error in orbit determination and/or maneuver execution in phase 1.
3. Approach phase, in which the probe is in the sphere of influence of the planet and the final vernier corrections may be made to trim the results of phase 2.

The preflight analysis of phase-1 guidance is primarily concerned with the statistical problem of determining how much propellant to carry aboard the spacecraft in

order to correct a "three-sigma" injection guidance error. These studies are well-documented elsewhere (Ref. 2-4) and will not be discussed here. Suffice it to say that correcting the hyperbolic-excess velocity is a reasonably good approximation to nulling the miss components at the planet. Such an analysis need only be concerned with the planetocentric phase of flight.

The analysis of the heliocentric phase is more complicated, since maneuvers there depend upon errors in applying the first midcourse maneuver (phase 1). In order to understand the effect of phase 1 errors, or to specify a tolerance on them, it is convenient to ask how a unit error in hyperbolic-excess velocity maps to miss at the target. This unit velocity error can be thought of as due to uncertainties in phase-1 maneuver execution and orbit determination. Conceptually, this analysis can be accomplished by letting a unit velocity error trace out a sphere at the tip of the hyperbolic-excess velocity vector and observing the semimajor and semiminor axes of the miss ellipse at the target (only two miss components are normally of interest). Mathematically, this is done by simply forming a matrix of the differential corrections, multiplying this matrix by its own transpose, diagonalizing the resulting symmetric matrix, and observing that the two diagonal terms are the desired semimajor and semiminor axes of the unit error ellipse.¹ It is easy to show that if the coordinate system chosen to describe the target error is collinear with these axes, the rows of the resulting differential correction matrix (which are gradient vectors) are orthogonal, and their norms are the magnitudes of the error-ellipse axes.

The approach guidance phase is not conveniently treated with this kind of analysis, and is not discussed further. Here, it can be assumed that the approach maneuvers are always negligibly small.

E. Orbit Determination

A spacecraft boosted toward Mars or Venus by the current generation of launch vehicles requires the accuracy obtainable using Earth-based radio guidance in order to accomplish most planet-oriented experiments. The steps in radio guidance are:

1. Track the transponder signal from the spacecraft from several stations located at a spread of latitudes to determine the orbit of the spacecraft.

2. Calculate the velocity changes required to alter the orbit to pass through the desired region at the target. The maneuver is then applied with a small rocket motor; the pointing direction and burning time (of the velocity increment) are calculated to perfectly correct the orbit if both the estimate of the orbit and the application of the maneuver are without error.
3. Track the spacecraft after the first maneuver for a sufficient interval to form a new estimate of the perturbed orbit.

This process of tracking and maneuvering may be repeated several times to achieve high accuracies at the target. There is, however, a limit to the process imposed by our uncertainties in the actual location of the target planet as well as the unpredictable forces acting on the spacecraft.

For extremely high accuracy at the target planet, on-board measurements must be used in conjunction with the Earth-based tracking in order to further reduce the above-mentioned uncertainties. It is not the function of this report to discuss on-board measurement systems but rather to describe the capabilities of current Earth-based radio guidance techniques when applied to interplanetary trajectories.

An adequate description of the accuracy to which orbits may be determined and maneuvers executed for the case of several corrective maneuvers is beyond the scope of this report. The results presented here may be strictly interpreted as corresponding to the accuracy capabilities for a single mid-course maneuver occurring anywhere between 1 and 14 days after injection. The relative contribution to the target uncertainty caused by orbit determination errors and mid-course execution errors depends directly upon the size of the correction required on a particular flight. For this reason, then, two error sources are considered separately. While our results do correspond to the single maneuver case, they are very valuable in providing a general description of the way in which these errors vary over the selected set of trajectories. Such utilization of the results is discussed later herein.

F. Accuracy of Computations

Extensive accuracy studies were performed to verify the adequacy of these trajectories for preliminary design use. Both Mars and Venus trajectories were computed on the JPL precision-integrating trajectory program using

¹ It should be apparent to readers familiar with statistical concepts that this is equivalent to mapping a three-dimensional gaussian distribution of velocity errors, with unit standard deviation along each axis, to a two-dimensional gaussian distribution of position errors at the target.

initial conditions obtained from the approximate trajectories contained herein. Of 56 Mars cases run, 29 missed the target by less than 500,000 km; 16 missed by between 500,000 and 1,000,000 km; and 5 missed by between 1,000,000 and 1,500,000 km. The worst case missed by 3,500,000 km. For the flight time errors, 16 varied between 1 and 2 days; 14 varied between 2 and 3 days; and 9 were greater than 3 days. The worst case was 7.2 days. No systematic properties of these errors were noted except that they appear to get worse for the higher-energy trajectories.

For Venus, the accuracy was considerably better, averaging 322,000-km miss error and 0.67-day flight time errors. Based on these comparisons, the model used to generate the trajectories contained herein is considered to be adequate and the results suitable for preliminary mission design studies. These results are very useful for initializing the precision trajectory search program.

When used for the stated purposes, these trajectories provide an excellent source of data obtained at considerably less time and expense than precision cases.

II. ANALYTICAL MODEL FOR INTERPLANETARY TRAJECTORIES

The analytical model consists of three distinct phases of two-body motion: (1) an escape hyperbola near the launch planet, (2) elliptical² motion under the attraction of the Sun, and (3) terminal hyperbolic motion near the target planet.

A. Heliocentric Motion

Solution of the heliocentric elliptic motion is obtained first under the following assumptions:

1. The launch and target planets move in orbits about the Sun as given in the national ephemerides. Their velocity components are obtained by using two-body conic formulas, mean orbital elements, and their tabular positions as listed in the ephemerides.
2. The launch and target planets are massless. Thus the only force acting on the probe is that of the Sun.
3. The position of the probe at launch into the heliocentric orbit is the center of the massless launch planet. Its position at arrival on the heliocentric orbit is the center of the massless target planet.

Thus for solution to the heliocentric phase of motion, the attractions of the launch and target planets are temporarily disregarded. The primary result to be obtained from the solution of the heliocentric transfer problem is the hyperbolic-excess velocity vector relative to the launch planet.

1. Determination of Planar Orientation

Since the launch and arrival positions of the probe are assumed to be the centers of the launch and target planets, they can immediately be determined, given the launch and arrival³ times, by consulting the ephemeris. Further, the orientation of the heliocentric transfer plane can immediately be found. Let \mathbf{R}_L be the Sun-launch planet position vector at launch time T_L , and let \mathbf{R}_p be the Sun-target planet position vector at arrival time T_p (Fig. 1). Then, planar orientation is found from the unit normal \mathbf{W} to the plane as follows:

$$\mathbf{W} = \frac{\mathbf{R}_L \times \mathbf{R}_p}{R_L R_p \sin \Psi} \quad (1)$$

²Hyperbolic heliocentric motion is not considered herein.

³Or, for convenience, the launch date and flight time can be specified.

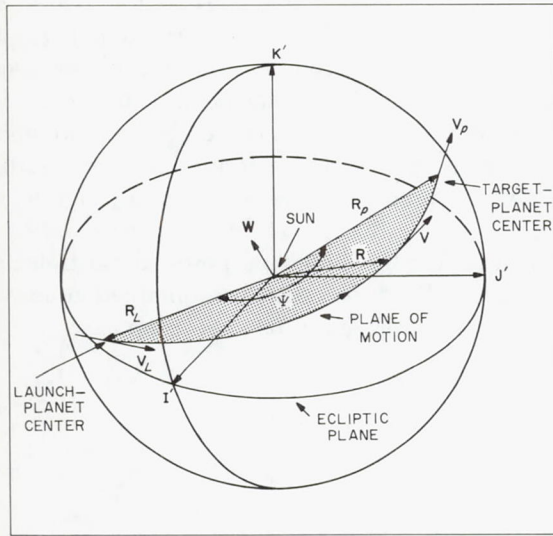


Fig. 1. Heliocentric transfer geometry

where the angle Ψ is defined below. The inclination⁴ i to the ecliptic plane can be found by

$$\cos i = \mathbf{W} \cdot \mathbf{K}' \quad (2)$$

where \mathbf{K}' is a unit vector pointing in the direction of the ecliptic north pole.

2. In-Plane Relations

The heliocentric central angle Ψ (Fig. 1) is also readily determined by utilizing the positions of the launch and target planets. This angle may be obtained from

$$\cos \Psi = \frac{\mathbf{R}_L \cdot \mathbf{R}_P}{|\mathbf{R}_L| |\mathbf{R}_P|} \quad (3)$$

$$\sin \Psi = \text{sgn} [(\mathbf{R}_L \times \mathbf{R}_P) \cdot \mathbf{K}'] (1 - \cos^2 \Psi)^{1/2} \quad (4)$$

The velocity vector \mathbf{V} of the spacecraft anywhere along its path may be obtained from

$$\mathbf{V} = \frac{V}{R} [(\mathbf{W} \times \mathbf{R}) \cos \Gamma + \mathbf{R} \sin \Gamma] \quad (5)$$

Here, \mathbf{R} is the heliocentric position vector, $R = |\mathbf{R}|$, and V is the heliocentric speed obtained from

$$V = \sqrt{(GM_s) \left(\frac{2}{R} - \frac{1}{a} \right)} \quad (6)$$

⁴In this report, we are interested only in transfers which have the same rotational motion about the Sun as the planets; thus, $0 \leq i \leq \pi/2$.

and the path angle Γ is found from

$$\sin \Gamma = \left[\sqrt{\frac{R}{(1-e^2)(2a-R)}} \right] e \sin v \quad (7)$$

In Eq. (6) and (7), GM_s is the universal gravitational constant times the mass of the Sun ($= 2.959122083 \times 10^{-4} \text{ au}^3/\text{day}^2$), a and e are the semimajor axis and eccentricity of the transfer ellipse, respectively, and v is the true anomaly of the probe given by

$$\cos v = \frac{a(1-e^2) - R}{eR} \quad (8)$$

3. Lambert's Theorem

Now there are two unknowns in Eq. (5)–(8) which prevent their immediate evaluation. These two unknowns are the semimajor axis a and the eccentricity e . The determination of these quantities is the main problem. Battin (Ref. 5) has shown that the eccentricity is actually a function of the semimajor axis. Thus it is first necessary to determine a . The semimajor axis is related to the time of flight T_F by Lambert's Theorem, which states: *The transfer time between any two points on an ellipse is a function of the sum of the distances of each point from the focus, the distance between the points, and the semimajor axis of the ellipse.* Functionally, the theorem is stated as

$$T_F = T_F(R_L + R_P, C, a) \quad (9)$$

where the distance C between the launch planet at launch time and the target planet at arrival time is shown in Fig. 2 and is obtained from

$$C = |\mathbf{R}_P - \mathbf{R}_L| \quad (10)$$

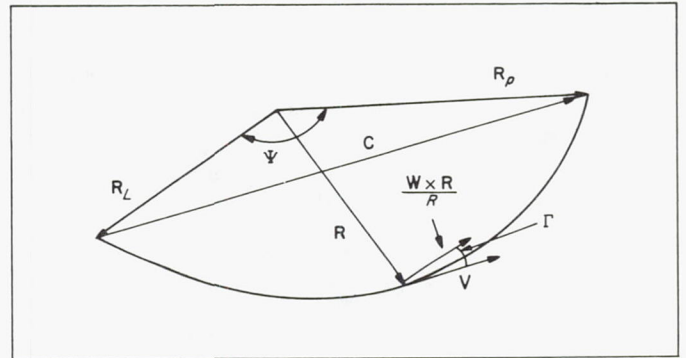


Fig. 2. In-plane transfer geometry

Since the time of flight T_F and the launch and arrival positions R_L and R_P are knowns, only the semimajor axis

remains to be found by iterative solution of Eq. (9). After the semimajor axis a is obtained, the heliocentric velocities of the probe at launch and arrival time V_L and V_p may be evaluated from Eq. (5) under the conditions $R = R_L$ and $R = R_p$. The path angles Γ_L , Γ_p and true anomalies⁵ v_L , v_p at launch and arrival times may also be evaluated from Eq. (8) and (7) under the same conditions.

Finally, the desired end result, the hyperbolic-excess velocity V_{hL} relative to the launch planet may be found (Fig. 3) by

$$V_{hL} = V_L - V_1 \quad (11)$$

where V_1 is the velocity of the launch planet at launch time.

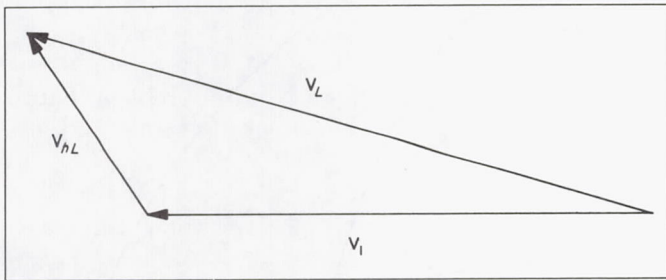


Fig. 3. Determination of the hyperbolic-excess velocity vector V_{hL}

B. Launch Planet Escape Hyperbola

The key result from the solution of heliocentric transfer is the hyperbolic-excess velocity vector V_{hL} at launch. The reason for the importance of this vector is that it tells the direction in which the probe must be traveling relative to the launch planet when just leaving its gravitational influence. There are an infinite number of escape trajectories (all hyperbolas) which can have the same hyperbolic-excess velocity vector. However, only a portion of these are practical for use when related to existing launch sites and boost vehicle constraints. For example, it would be ridiculously costly in payload—and impractical—to shoot a vehicle straight up. Criteria for selection of a family of feasible escape trajectories are given below.

1. Assumptions

The solution of the escape phase of motion is obtained under the following assumptions: (1) The probe is acted on only by the gravitational force of the launch planet, and (2) the oblateness effects of the launch planet are neglected.

The direction of the asymptote of the escape hyperbola is found by normalizing the hyperbolic-excess vector V_{hL} . The injection energy⁶ C_3 of the escape hyperbola is found by squaring the hyperbolic-excess speed, or

$$C_3 = V_{hL}^2 \quad (12)$$

Thus, in contrast to the heliocentric problem, the launch planet is now “massy,” while the influence of the Sun is neglected. However, the hyperbolic-excess velocity vectors found by solving the heliocentric problem are used as a starting point to solve the escape problem.

2. Size and Shape of the Escape Hyperbola

As previously stated, only some of the infinite number of escape trajectories are practical. Two of the practical aspects of a set of trajectories are the sizes and shapes of the hyperbolas.

Size is basically determined by the energy C_3 , which in turn is a function of boost vehicle capability. For boost vehicles in use (or shortly to be available) at this writing, values of energy less than or equal to $25 \text{ km}^2/\text{sec}^2$ are considered reasonable. The larger the value of energy that the booster is required to deliver, the smaller the payload and launch period over which the vehicle may be fired.

The shape of the hyperbola is determined by its eccentricity, which is a function of both the energy and perifocal distance according to

$$e = 1 + \frac{R_p C_3}{GM} \quad (13)$$

where R_p is the perifocal distance and GM is the universal gravitational constant times the mass of the launch planet. From Eq. (13) it can be seen that for a fixed perifocal distance the eccentricity increases linearly with the energy. The value of perifocal distance is not arbitrary, but depends strongly on the boost vehicle trajectory. It has been shown (Ref. 6) that in the great majority of cases it is necessary and desirable to use a circular parking orbit as part of the preinjection phase of the escape trajectory. It is further an interesting fact that the altitude of the parking orbit determines the perifocal distance. If h is the parking orbit altitude and R_0 is the launch planet's radius, then, to an extremely close degree of approximation,

$$R_p = R_0 + h \quad (14)$$

⁵The details of quadrant choice for these angles are found in Ref. 5.

⁶ C_3 is actually twice the total energy per unit mass, i.e., the *vis viva* integral.

with the constraint that the Z component of \mathbf{W} is always positive.

Since \mathbf{R}_L^1 is a function of time, according to the rotation rate of the launch planet, the planar orientation must continually change. In effect, this says that the launch azimuth is a continuous function of launch time.

A detailed description of the geometrical aspects of the launch planet ascent trajectory is not given here but may be found in Ref. 6.

C. Differential Corrections

The calculation of differential corrections for interplanetary trajectories may be accomplished in several ways and depends on choice of independent and dependent variables. In this report, a numerical differencing scheme is used. Basically, the independent variables—the injection energy C_3 , declination Φ_s , and right ascension Θ_s of the outgoing asymptote \mathbf{S} of the escape hyperbola—are varied, one at a time, to produce variations in the dependent variables—the components of the impact parameter \mathbf{B} and the time-of-flight T_F .

The impact parameter \mathbf{B} is defined as a vector originating at the center of the target planet and directed perpendicular to the incoming asymptote of the target-centered approach hyperbola (Fig. 5). The impact parameter \mathbf{B} is resolved into two components which lie in a

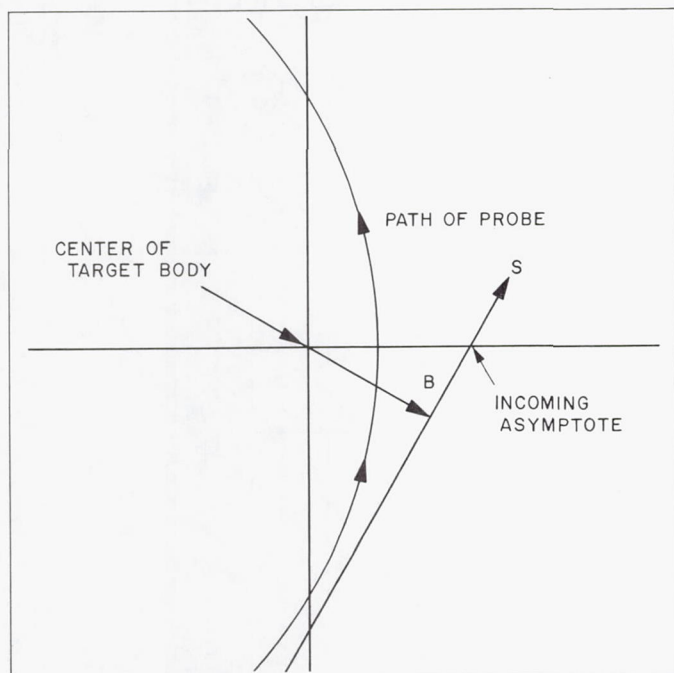


Fig. 5. Impact parameter \mathbf{B}

plane normal to the incoming asymptote \mathbf{S} . The orientations of the reference axes in this plane are arbitrary, but one is usually selected to lie in a fixed plane. Thus, define a unit vector \mathbf{T} , lying in the *ecliptic* plane according to

$$\mathbf{T} = \frac{\mathbf{S} \times \mathbf{K}'}{|\mathbf{S} \times \mathbf{K}'|} \quad (16)$$

where \mathbf{K}' is a unit normal vector to the ecliptic plane. The remaining axis is then given by a unit vector \mathbf{R} , defined by

$$\mathbf{R} = \mathbf{S} \times \mathbf{T} \quad (17)$$

Figure 6 illustrates the orientation of the $\mathbf{R}, \mathbf{S}, \mathbf{T}$ target coordinates.

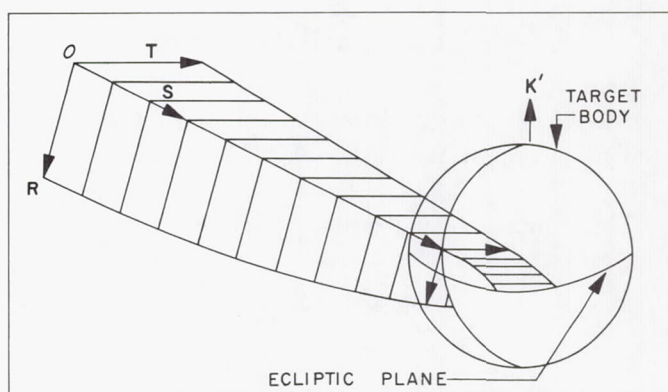


Fig. 6. The $\mathbf{R}, \mathbf{S}, \mathbf{T}$ target coordinate system

The impact parameter \mathbf{B} lies in the \mathbf{R} - \mathbf{T} plane and has miss components $\mathbf{B} \cdot \mathbf{T}$ and $\mathbf{B} \cdot \mathbf{R}$. $\mathbf{B} \cdot \mathbf{T} = \mathbf{B} \cdot \mathbf{R} = 0$ denotes vertical impact on the target. Thus, $\mathbf{B} \cdot \mathbf{T}$, $\mathbf{B} \cdot \mathbf{R}$, and T_F are the three target-dependent variables. If Q_i represents a set of generalized independent variables, such as injection position and velocity or other convenient variables, then the partial derivatives $\partial \mathbf{B} \cdot \mathbf{T} / \partial Q_i$, $\partial \mathbf{B} \cdot \mathbf{R} / \partial Q_i$, $\partial T_F / \partial Q_i$ are first-order differential corrections or error coefficients relating miss at the target and flight time errors to the independent variables.

A convenient set of independent variables for interplanetary trajectories is the *vis viva* injection energy C_3 , the declination Φ_s , and the right ascension Θ_s of the asymptote of the escape hyperbola. These variables essentially describe the launch hyperbolic-excess velocity vector since

$$\mathbf{V}_{hL} = (C_3)^{1/2} (\cos \Phi_s \cos \Theta_s, \cos \Phi_s \sin \Theta_s, \sin \Phi_s) \quad (18)$$

As stated above, the differential corrections are calculated by a numerical differencing method which uses

quantities obtained from the conic trajectory. The basic idea is to compute a varied or perturbed trajectory and then difference it with the reference case. Let primed quantities denote variables on the perturbed trajectory. A small variation $\Delta \mathbf{V}_{hL}$ in the hyperbolic-excess velocity vector is equivalent to a small variation $\Delta \mathbf{V}_L$ in the launch heliocentric velocity vector. The launch heliocentric velocity on the perturbed trajectory is, then,

$$\mathbf{V}'_L = \mathbf{V}_L + \Delta \mathbf{V}_{hL} \quad (19)$$

where

$$\begin{aligned} \Delta \mathbf{V}_{hL} = & (C_3)^{1/2} \Delta \Phi_S [-\sin \Phi_S \cos \Theta_S, -\sin \Phi_S \sin \Theta_S, \cos \Phi_S] , \\ & (C_3)^{1/2} \Delta \Theta_S [-\cos \Phi_S \sin \Theta_S, \cos \Phi_S \cos \Theta_S, 0] , \\ & \frac{-\Delta C_3}{2(C_3)^{1/2}} [\cos \Phi_S \cos \Theta_S, \cos \Phi_S \sin \Theta_S, \sin \Phi_S] \end{aligned}$$

where $\Delta \Phi_S, \Delta \Theta_S$ are small angular variations (0.2 deg), and the energy variation is $\Delta C_3 = 0.005 C_3$.

The semimajor axis a' is obtained from

$$a' = \frac{R_L}{2 - \frac{V_L'^2 R_L}{GM_S}} \quad (20)$$

The radial rate \dot{R}'_L is

$$\dot{R}'_L = \frac{\mathbf{V}'_L \cdot \mathbf{R}_L}{R_L} \quad (21)$$

The semilatus rectum p' and eccentricity e' are

$$p' = \frac{R_L^2 (V_L'^2 - \dot{R}'_L^2)}{GM_S} \quad (22)$$

$$e' = \left(1 - \frac{p'}{a'}\right)^{1/2} \quad (23)$$

The eccentric anomaly at launch E'_L is

$$\begin{aligned} \sin E'_L &= \frac{R_L \dot{R}'_L}{e' (a' GM_S)^{1/2}} \\ \cos E'_L &= \frac{1}{e'} \left(1 - \frac{R_L}{a'}\right) \end{aligned} \quad (24)$$

The mean anomaly at launch M'_L is obtained from

$$M'_L = E'_L - e' \sin E'_L \quad (25)$$

The mean orbital rate n' is

$$n' = \frac{(GM_S)^{1/2}}{a'^{3/2}} \quad (26)$$

The mean anomaly at the target M'_p is

$$M'_p = n' T_F + M'_L \quad (27)$$

The eccentric anomaly at the target E'_p is obtained from the expansion

$$\begin{aligned} E'_p = E_p + & \left(\frac{1}{1 - e' \cos E_p} \right) \Delta M - \frac{1}{2} \left[\frac{e' \sin E_p}{(1 - e' \cos E_p)^3} \right] \Delta M^2 \\ & + \frac{1}{6} \left[\frac{3 e' \sin E_p)^2 - (1 - e' \cos E_p) (e' \cos E_p)^3}{(1 - e' \cos E_p)^5} \right] \Delta M^3 \end{aligned} \quad (28)$$

if

$$\cos E_p \geq 0$$

or

$$E'_p = E_p + \frac{e \cos E_p - 1 + \sqrt{(e \cos E_p - 1)^2 + (2e \sin E_p) \Delta M}}{e \sin E_p} \quad (29)$$

if

$$\cos E_p < 0$$

where

$$\Delta M = M'_p - (E_p - e' \sin E_p)$$

The true anomalies at launch and the target v'_L and v'_p are found from

$$\cos v'_L = \frac{p' - R_L}{e' R_L} \quad (30)$$

$$0 < v'_L < \pi \quad \text{if } \dot{R}'_L \text{ is positive}$$

$$\pi < v'_L < 2\pi \quad \text{if } \dot{R}'_L \text{ is negative}$$

$$\cos v'_p = \frac{\cos E'_p - e'}{1 - e' \cos E'_p} \quad (31)$$

$$\sin v'_p = \frac{(1 - e'^2)^{1/2} \sin E'_p}{1 - e' \cos E'_p}$$

The heliocentric central angle Ψ' is

$$\Psi' = v'_p - v'_L \quad (32)$$

The angular momentum \mathbf{h}' is

$$\mathbf{h}' = \mathbf{R}_L \times \mathbf{V}'_L \quad (33)$$

The heliocentric position vector at the target is

$$\mathbf{R}'_p = R'_p \left(\frac{\mathbf{R}_L}{R_L} \cos \Psi' + \frac{\mathbf{h}' \times \mathbf{R}_L}{h' R_L} \sin \Psi' \right) \quad (34)$$

where

$$R'_p = a' (1 - e' \cos E'_p) \quad (35)$$

A vector in the direction of perihelion with magnitude e' is

$$\boldsymbol{\epsilon}' = \frac{\mathbf{V}'_L \times \mathbf{h}'}{GM_s} - \frac{\mathbf{R}_L}{R_L} \quad (36)$$

The heliocentric velocity at the target is

$$\mathbf{V}'_p = \frac{\mathbf{h}'}{p'} \times \left(\frac{\mathbf{R}'_p}{R'_p} + \boldsymbol{\epsilon}' \right) \quad (37)$$

The hyperbolic-excess velocity at the target is

$$\mathbf{V}'_{hp} = \mathbf{V}'_p - \mathbf{V}_s \quad (38)$$

The difference between the heliocentric position vectors on the perturbed and reference trajectories is

$$\Delta \mathbf{R}'_p = \mathbf{R}'_p - \mathbf{R}_p \quad (39)$$

The impact parameter \mathbf{B} is

$$\mathbf{B} = - \frac{(\Delta \mathbf{R}'_p \cdot \mathbf{V}'_{hp}) \mathbf{V}'_{hp}}{V'^2_{hp}} + \Delta \mathbf{R}'_p$$

The flight time error is

$$\Delta T_F = \frac{\Delta \mathbf{R}'_p \cdot \mathbf{V}'_{hp}}{V'^2_{hp}} \quad (40)$$

The partial derivatives are formed by dividing $\Delta \Theta_s$, $\Delta \Phi_s$, and ΔC_3 into the miss components $\mathbf{B} \cdot \mathbf{T}$, $\mathbf{B} \cdot \mathbf{R}$, and flight time error ΔT_F . In addition to the component partials, the quantity $\partial B / \partial Q_i$ is defined by

$$\frac{\partial B}{\partial Q_i} = \left[\left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial Q_i} \right)^2 + \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial Q_i} \right)^2 \right]^{1/2} \quad (41)$$

The three partials, $\partial B / \partial \Theta_s$, $\partial B / \partial \Phi_s$, $\partial B / \partial C_3$, are important measures of the error sensitivity of a trajectory.

The effect of uncertainty in the knowledge of the astronomical unit-to-kilometer conversion factor on target miss and flight time may be determined by the following formulae,

$$\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial au} = \frac{-2C_3}{au} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \quad (42)$$

$$\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial au} = \frac{-2C_3}{au} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3}$$

from whence

$$\frac{\partial B}{\partial au} = \frac{2C_3}{au} \frac{\partial B}{\partial C_3} \quad (43)$$

and

$$\frac{\partial T_F}{\partial au} = \frac{-2C_3}{au} \frac{\partial T_F}{\partial C_3} \quad (44)$$

where au is the astronomical unit-to-kilometer conversion factor.

The effect of solar radiation pressure acting on the probe may also be evaluated as follows: In Eq. (19) let $\Delta \mathbf{V}_{hL} = 0$, but in Eq. (20), (22), (24), (26), (36), vary GM_s by adding an increment ΔGM_s . This procedure gives rise to a varied trajectory from which the impact parameter \mathbf{B} and flight time error ΔT_F may be obtained. The partials $\partial B / \partial GM_s$ and $\partial T_F / \partial GM_s$ may then be calculated. Since the acceleration caused by solar radiation pressure acts opposite to the gravitational attraction of the Sun, radiation pressure has the effect of decreasing the Sun's gravitational attraction, or decreasing GM_s . A decrease, $\Delta GM_s = -2.4 \times 10^6 \text{ km}^3/\text{sec}^2$ corresponds to the solar radiation pressure acting on a 300-kg spacecraft having a perfectly reflecting area of 3.6 square meters. Thus the miss, always being a positive number, is obtained by $\Delta B_{sp} = 2.4 \times 10^6 \partial B / \partial GM_s$, and the corresponding flight time error is $\Delta T_{Fsp} = -2.4 \times 10^6 \partial T_F / \partial GM_s$, which is sign sensitive.

D. Mid-Course Execution Accuracy

The effect of mid-course execution errors on target accuracy can be rather simply described if it is assumed that the guidance maneuver is made on the asymptote of the escape hyperbola and that the velocity errors are spherically distributed (that is, the three-dimensional statistical distribution of velocity errors is composed of three orthogonal, independent velocity errors, each with the same variance). The mapping of these errors to the target (Fig. 7) results in a three-dimensional ellipsoid of position errors, which is the "one-sigma ellipsoid." The semiaxes are the respective standard deviations of the position errors. As pointed out above, this ellipsoid can be thought of as the locus of target errors that results from a unit velocity error at the mid-course point tracing out a sphere.

Let the differential corrections discussed above be expressed in matrix form as

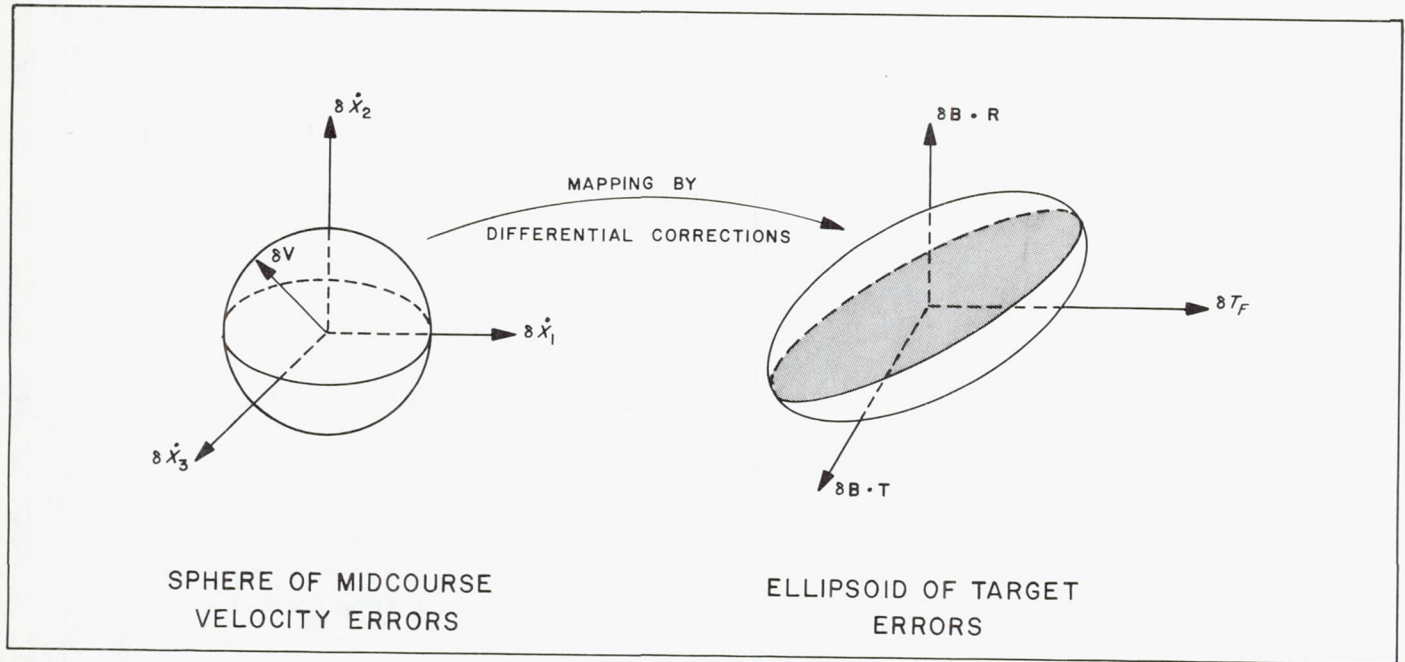


Fig. 7. The mapping of mid-course execution error

$$K = \begin{bmatrix} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \\ \frac{\partial T_F}{\partial \Phi_S} & \frac{\partial T_F}{\partial \Theta_S} & \frac{\partial T_F}{\partial C_3} \end{bmatrix} \quad (45)$$

Now define a Cartesian coordinate system X_1, X_2, X_3 such that

$$\left. \begin{aligned} \delta \dot{X}_1 &= V_{hL} \delta \Phi_S \\ \delta \dot{X}_2 &= - (V_{hL} \cos \Phi_S) \delta \Theta_S \\ \delta \dot{X}_3 &= \delta V_{hL} = \frac{\delta C_3}{2V_{hL}} \end{aligned} \right\} \quad (46)$$

Then a new matrix F can be formed,

$$F = \begin{bmatrix} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_1} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_2} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_1} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_2} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_3} \\ \frac{\partial T_F}{\partial \dot{X}_1} & \frac{\partial T_F}{\partial \dot{X}_2} & \frac{\partial T_F}{\partial \dot{X}_3} \end{bmatrix} \quad (47)$$

where

$$\left. \begin{aligned} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_1} &= \frac{1}{V_{hL}} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} \\ \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_2} &= \frac{-1}{V_{hL} \cos \Phi_S} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} \\ \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \dot{X}_3} &= 2V_{hL} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_1} &= \frac{1}{V_{hL}} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_2} &= \frac{-1}{V_{hL} \cos \Phi_S} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \dot{X}_3} &= 2V_{hL} \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \\ \frac{\partial T_F}{\partial \dot{X}_1} &= \frac{1}{V_{hL}} \frac{\partial T_F}{\partial \Phi_S} \\ \frac{\partial T_F}{\partial \dot{X}_2} &= \frac{-1}{V_{hL} \cos \Phi_S} \frac{\partial T_F}{\partial \Theta_S} \\ \frac{\partial T_F}{\partial \dot{X}_3} &= 2V_{hL} \frac{\partial T_F}{\partial C_3} \end{aligned} \right\} \quad (48)$$

Let the spherical distribution of midcourse velocity errors be described in the X_1, X_2, X_3 system as

$$\delta \dot{X}_1^2 + \delta \dot{X}_2^2 + \delta \dot{X}_3^2 = \sigma_v^2 \quad (49)$$

where σ_v will be taken equal to 0.1 meters/sec. The resultant one-sigma ellipsoid of target errors is described by the quadratic form,

$$\delta \mathbf{M} \Lambda^{-1} \delta \mathbf{M}^T = 1 \quad (50)$$

where

$$\Lambda = \sigma_v^2 \mathbf{F} \mathbf{F}^T = \begin{bmatrix} \lambda_{11} & \lambda_{12} & \lambda_{13} \\ & \lambda_{22} & \lambda_{23} \\ \text{symmetric} & & \lambda_{33} \end{bmatrix} \quad (51)$$

and

$$\delta \mathbf{M} = (\delta \mathbf{B} \cdot \mathbf{T}, \delta \mathbf{B} \cdot \mathbf{R}, \delta T_F)$$

The elements of the Λ matrix are:

$$\begin{aligned} \lambda_{11} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} \right)^2 + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} \right)^2 + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \right)^2 \right] \\ \lambda_{12} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} \right) \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} \right) + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} \right) \right. \\ &\quad \left. \times \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} \right) + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \right) \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \right) \right] \\ \lambda_{13} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} \right) \left(\frac{\partial T_F}{\partial \Phi_S} \right) + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} \right) \left(\frac{\partial T_F}{\partial \Theta_S} \right) + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \right) \left(\frac{\partial T_F}{\partial C_3} \right) \right] \\ \lambda_{22} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} \right)^2 + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} \right)^2 + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \right)^2 \right] \\ \lambda_{23} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} \right) \left(\frac{\partial T_F}{\partial \Phi_S} \right) + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} \right) \left(\frac{\partial T_F}{\partial \Theta_S} \right) + 4C_3 \left(\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \right) \left(\frac{\partial T_F}{\partial C_3} \right) \right] \\ \lambda_{33} &= \sigma_v^2 \left[\frac{1}{C_3} \left(\frac{\partial T_F}{\partial \Phi_S} \right)^2 + \frac{1}{C_3 \cos^2 \Phi_S} \left(\frac{\partial T_F}{\partial \Theta_S} \right)^2 + 4C_3 \left(\frac{\partial T_F}{\partial C_3} \right)^2 \right] \end{aligned} \quad (52)$$

The quantities in the Λ matrix can be interpreted as standard deviations (sigmas) and correlation coefficients (rhos) according to

$$\left. \begin{aligned} \sigma_T &= (\lambda_{11})^{1/2} \\ \sigma_R &= (\lambda_{22})^{1/2} \\ \sigma_F &= (\lambda_{33})^{1/2} \\ \rho_{RT} &= \frac{\lambda_{12}}{(\lambda_{11} \lambda_{22})^{1/2}} \\ \rho_{TF} &= \frac{\lambda_{13}}{(\lambda_{11} \lambda_{33})^{1/2}} \\ \rho_{RF} &= \frac{\lambda_{23}}{(\lambda_{22} \lambda_{33})^{1/2}} \end{aligned} \right\} \quad (53)$$

Then the Λ matrix becomes

$$\Lambda = \begin{bmatrix} \sigma_T^2 & \rho_{RT} \sigma_R \sigma_T & \rho_{TF} \sigma_F \sigma_T \\ & \sigma_R^2 & \rho_{RF} \sigma_R \sigma_F \\ \text{symmetric} & & \sigma_F^2 \end{bmatrix} \quad (54)$$

It is often of interest when describing only miss components to consider

$$\sigma_B = (\sigma_R^2 + \sigma_T^2)^{1/2} \quad (55)$$

and to diagonalize the upper 2×2 portion of the Λ (the miss component elements) to get

$$\Lambda^* = \mathbf{L} \Lambda \mathbf{L}^T = \begin{bmatrix} \sigma_1^2 & 0 & \rho_{13} \sigma_1 \sigma_3 \\ & \sigma_2^2 & \rho_{23} \sigma_2 \sigma_3 \\ \text{symmetric} & & \sigma_3^2 \end{bmatrix} \quad (56)$$

where the matrix \mathbf{L} is given by

$$L = \begin{bmatrix} \cos \theta & \sin \theta & 0 \\ -\sin \theta & \cos \theta & 0 \\ 0 & 0 & 1 \end{bmatrix} \quad (57)$$

The angle θ is positive when turned counterclockwise from the **T** axis, and has been chosen such that $\sigma_1 \geq \sigma_2$. This is accomplished by

$$\theta = \frac{1}{2} \tan^{-1} \left[\frac{2\rho_{RT}}{\left(\frac{\sigma_T}{\sigma_R}\right) - \left(\frac{\sigma_R}{\sigma_T}\right)} \right] \quad (58)$$

where θ is in first quadrant if ρ_{RT} is positive and θ is in second quadrant if ρ_{RT} is negative. Notice that $\sigma_3 = \sigma_F$. The two-dimensional error ellipse described by σ_1 , σ_2 , and θ is the projection of all points of the three-dimensional ellipsoid of position errors (discussed in Section IIE) onto the **T-R** plane, as shown in Fig. 8.

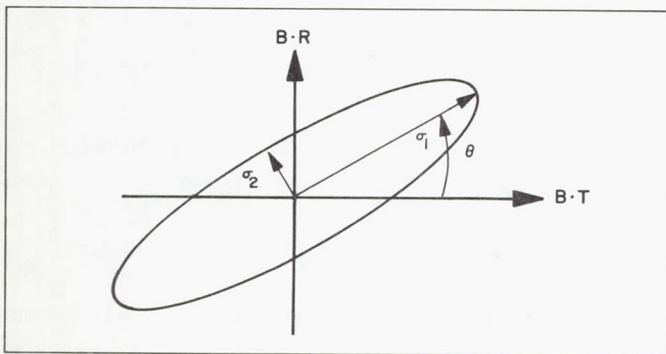


Fig. 8. Projection of three-dimensional error ellipsoid on the **T-R** plane

E. Orbit Determination Accuracy

In this section the analytic model used for describing orbit determination accuracy (tracking error) for interplanetary trajectories is discussed, and the factors upon which the tracking error depends are reviewed. The dominant error sources are defined for the easterly launchings from Cape Canaveral using tracking coverage supplied by NASA's Deep Space Instrumentation Facility (DSIF). Probable generalization to other situations is suggested. Finally, the method of describing target errors is presented along with all formulae relating the tracking errors to the target error parameters chosen.

1. Method of Describing Orbit Determination Accuracy

As discussed in Section IID, the uncertainties in our knowledge of an interplanetary trajectory are well described in terms of the direction and magnitude of the geocentric hyperbolic-excess velocity vector, V_{hL} . Figure 9 defines the right-handed Cartesian coordinate system we have adopted for describing uncertainties in V_{hL} . The X_3 axis is along V_{hL} ; the X_1 axis is in the direction of a positive differential change in asymptote declination Φ_S ; and the X_2 axis completes the system.

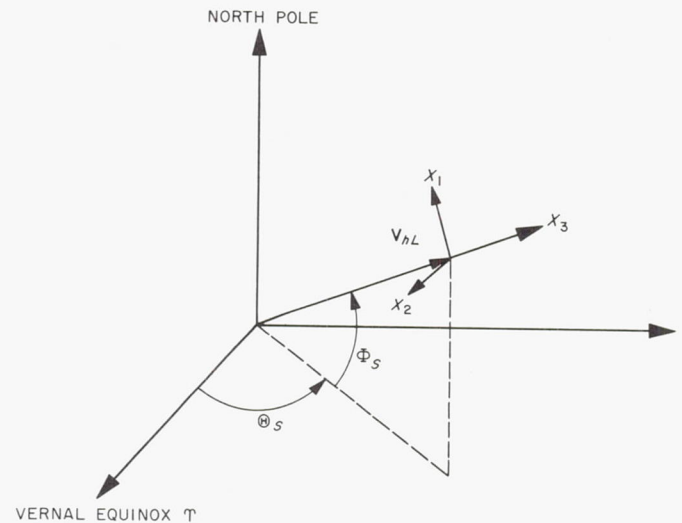


Fig. 9. Orientation of the X_i Cartesian coordinate system to describe uncertainties in the hyperbolic-excess velocity vector V_{hL}

Let $\dot{\mathbf{X}}$ represent the vector of velocity errors in the X_i system just described; $\dot{\mathbf{X}} = (\delta\dot{X}_1, \delta\dot{X}_2, \delta\dot{X}_3)^T$, where T indicates the transpose. The average of any function of $\dot{\mathbf{X}}$, $f(\dot{\mathbf{X}})$, over an ensemble of randomly generated tracking runs may assist in describing our statistical knowledge of $\dot{\mathbf{X}}$ based on tracking noise, station location, and physical constant uncertainties. The ensemble average is usually written $E f(\dot{\mathbf{X}})$ or as $\bar{f}(\dot{\mathbf{X}})$. When $\dot{\mathbf{X}}$ has a Gaussian (normal) probability density function, the distribution can be described completely by specifying $E\dot{\mathbf{X}}$ and $E[(\dot{\mathbf{X}} - \bar{\dot{\mathbf{X}}})(\dot{\mathbf{X}} - \bar{\dot{\mathbf{X}}})^T]$, the mean and covariance of $\dot{\mathbf{X}}$, respectively.

When all parameters influencing our knowledge of $\dot{\mathbf{X}}$ have been considered, $E\dot{\mathbf{X}}$ should be zero and then the description of our uncertainties in $\dot{\mathbf{X}}$ can be adequately given by Covar $\dot{\mathbf{X}}$, defined above. For convenience, the symbol $\Delta\dot{\mathbf{X}}$, for Covar $\dot{\mathbf{X}}$, is introduced.

$$\Delta\dot{\mathbf{X}} = \text{Covar } \dot{\mathbf{X}} = E \left[(\dot{\mathbf{X}} - \bar{\dot{\mathbf{X}}})(\dot{\mathbf{X}} - \bar{\dot{\mathbf{X}}})^T \right] \quad (59)$$

Note that

$$\Lambda_{\dot{\mathbf{X}}} = \begin{pmatrix} \delta\dot{\mathbf{X}}_1\delta\dot{\mathbf{X}}_1 & \delta\dot{\mathbf{X}}_1\delta\dot{\mathbf{X}}_2 & \delta\dot{\mathbf{X}}_1\delta\dot{\mathbf{X}}_3 \\ \delta\dot{\mathbf{X}}_2\delta\dot{\mathbf{X}}_1 & \delta\dot{\mathbf{X}}_2\delta\dot{\mathbf{X}}_2 & \delta\dot{\mathbf{X}}_2\delta\dot{\mathbf{X}}_3 \\ \delta\dot{\mathbf{X}}_3\delta\dot{\mathbf{X}}_1 & \delta\dot{\mathbf{X}}_3\delta\dot{\mathbf{X}}_2 & \delta\dot{\mathbf{X}}_3\delta\dot{\mathbf{X}}_3 \end{pmatrix} \quad (60)$$

is a 3×3 real symmetric matrix. The diagonal terms are the variances of the three components, and the off-diagonal terms measure the correlation between the three components.

Before describing how $\Lambda_{\dot{\mathbf{X}}}$ has been "mapped" into target error uncertainties, a discussion is given of the dependence of $\Lambda_{\dot{\mathbf{X}}}$ upon the relevant factors describing near-Earth tracking as well as the typical errors assumed in preparing the estimates given in this report.

2. Accuracy of Near-Earth Tracking

By expressing the accuracy of near-Earth tracking in terms of $\dot{\mathbf{X}}$ and its associated covariance $\Lambda_{\dot{\mathbf{X}}}$, the dependence upon almost all trajectory parameters has been eliminated. The remaining relevant trajectory parameters are listed in Table 1.

Table 1. Trajectory parameters influencing tracking accuracy

1. Launch site	
2. Launch azimuth Σ_L	Depends on launch time.
3. Injection region	Depends on time in parking orbit; short or long coast less than 1 revolution is current practice.
4. Declination of \mathbf{V}_{hL} , Φ_S	Depends on target position at arrival date and injection energy, C_3 .
5. Magnitude of $\mathbf{V}_{hL} = V_{hL} = (C_3)^{1/2}$	

Note the limited number of trajectory parameters on which $\Lambda_{\dot{\mathbf{X}}}$ depends. Table 2 summarizes the key tracking station parameters which influence accuracy in the geocentric tracking phase.

The first three factors listed in Table 2 define the tracking configuration, whereas the last three are station performance factors. Usually, tracking accuracy studies are carried out with the tracking configuration relatively fixed, and the influence of the station performance factors are determined.

The final source of tracking error is uncertainty in physical constants. The influence of GM-Earth errors is somewhat smaller than the above-mentioned errors and should be reduced to negligible contribution in the next two years. Sections IIC and IIIC describe how the uncertainty in the astronomical unit affects the target error; this error

Table 2. Tracking station parameters influencing tracking accuracy

1. Station locations	A spread of latitudes is very desirable.
2. Total tracking time	
3. Tracking data types	Range R , range rate \dot{R} , and angles are most commonly taken.
4. Delay in acquiring first data	Delay is measured from the injection region as well as station acquisition delays.
5. Tracking data accuracies	Expressed in terms of equivalent uncorrelated noise at a given sampling rate.
6. Uncertainty in tracking station locations	Important when high data accuracies are available. Longitude errors usually are most important.

can be important for very long flights, but should also be reduced to a negligible contribution in the next two years. Errors in the target's mass cause minor variations in flight time T_F and negligible effect on \mathbf{B} . The last important target error source currently recognized is the uncertainty in the effect of the standard solar radiation pressure on spacecraft trajectory. The source of uncertainty is that effective reflecting area (largely solar panels) is not perfectly known. Techniques for the accurate measurement of this quantity are currently under development. Our studies show that unless this error is held below 5% it will be the dominant error source on many of our flights. Sections IIC and IIIC describe the calculation of the standard solar radiation pressure on a typical spacecraft deriving electrical power from the Sun.

The tracking accuracies reported here are representative of those available from tracking with the DSIF stations in South Africa, Australia, and the United States. Launch azimuths between 90 and 114 deg east of north were considered. Data accuracies of 0.02 m/sec in \dot{R} and 0.05 deg in angle sampled every 10 minutes were assumed; no range measurements were assumed. Station location errors were assumed to be uncorrelated with standard deviations of 0.001 deg in latitude, 0.0005 deg in longitude, and 30 meters in radius. Each station was allowed 10 minutes to acquire the spacecraft transponder, and tracking was simulated in the first 24 hours so that at least one pass was available to each station. The transfer of transmitting assignment from one station to another (simultaneous transmission was not allowed) followed a pattern which has been found to be near-optimum.

The $\Lambda_{\dot{\mathbf{X}}}$ matrix used in these calculations was assumed to be independent of the trajectory parameters listed in Table 1. This approximation is good for the range of energies and asymptotic declinations considered to be

most feasible. In the future these approximations will be refined as necessary. The $\Lambda_{\dot{\mathbf{X}}}$ used for orbit determination accuracy in this report is given in Section IIIE. The target accuracies calculated here are typical for any reasonable multistation tracking configuration, with the data types and accuracies corresponding to this conservative representation of DSIF capabilities.

3. Calculation of Target Errors

The representation of tracking accuracy in the geocentric phase in terms of $\Lambda_{\dot{\mathbf{X}}}$, the covariance of the \mathbf{V}_{hL} in a particular rectangular coordinate system, was developed earlier in this section. In order to express the effect of these uncertainties in \mathbf{V}_{hL} in terms of target error, two steps must be performed. First, a set of coordinates \mathbf{M}_1 at the target planet for expressing the errors (\mathbf{M}_1 cannot exceed 3 dimensions) must be chosen. (A convenient set with desirable linearity properties is the **T-R-S** system defined previously.) The matrix U_1 , which maps $\dot{\mathbf{X}}$ to the desired \mathbf{M}_1 , is then determined.

$$\mathbf{M}_1 = U_1 \dot{\mathbf{X}} = \begin{pmatrix} \delta \mathbf{B} \cdot \mathbf{T} \\ \delta \mathbf{B} \cdot \mathbf{R} \\ \delta S \end{pmatrix} \quad (61)$$

The covariance of \mathbf{M}_1 is given by

$$\text{Covar} [\mathbf{M}_1] = \overline{\mathbf{M}_1 \mathbf{M}_1^T} = U_1 \Lambda_{\dot{\mathbf{X}}} U_1^T = \Lambda_{\mathbf{M}_1} \quad (62)$$

The determination of U_1 for the coordinates chosen follows the lines of Section IID. It is presumed that the K -matrix is given, where

$$K = \begin{bmatrix} \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3} \\ \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_S} & \frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3} \\ \frac{\partial T_F}{\partial \Phi_S} & \frac{\partial T_F}{\partial \Theta_S} & \frac{\partial T_F}{\partial C_3} \end{bmatrix} \quad (45)$$

By postmultiplying K by

$$A = \begin{bmatrix} \frac{1}{V_{hL}} & 0 & 0 \\ 0 & \frac{-1}{V_{hL} \cos \Phi_S} & 0 \\ 0 & 0 & 2V_{hL} \end{bmatrix} \quad (63)$$

the F matrix is obtained.

$$F = KA \quad (47)$$

The F matrix must now be adjusted to transform into the **T-R-S** coordinates used for \mathbf{M}_1 . This transformation B is simply

$$B = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & -V_{hp} \end{bmatrix} \quad (64)$$

since $\delta S = -V_{hp} \delta T_L$. Thus our U_1 matrix is given by

$$U_1 = B(KA) = BF \quad (65)$$

Now the mapping given in Eq. (62) to obtain $\Lambda_{\mathbf{M}_1}$ is applied. Since all of the coordinates of \mathbf{M}_1 have the same dimensions (length squared), the one-sigma ellipsoid described by the quadratic form

$$\delta \mathbf{M}_1 \Lambda_{\mathbf{M}_1}^{-1} \delta \mathbf{M}_1^T = 1 \quad (66)$$

has physical significance. The three principal axes of this ellipsoid are the square roots of the 3-eigenvalues of the $\Lambda_{\mathbf{M}_1}$ matrix. The formulas used are standard and are not reproduced here. The projection of the three-dimensional ellipsoid on to the **T-R** plane is an ellipse. Its major and minor semiaxes and orientation of the major axis are calculated by the same procedure used in Section IID. It is often convenient to write $\Lambda_{\mathbf{M}_1}$ in an alternate form:

$$\Lambda_{\mathbf{M}_1} = \begin{bmatrix} \sigma_T^2 & \rho_{RT} \sigma_T \sigma_R & \rho_{TS} \sigma_T \sigma_S \\ \rho_{RT} \sigma_R \sigma_T & \sigma_R^2 & \rho_{RS} \sigma_R \sigma_S \\ \rho_{TS} \sigma_S \sigma_T & \rho_{RS} \sigma_S \sigma_R & \sigma_S^2 \end{bmatrix} \quad (67)$$

It can be seen that $\Lambda_{\mathbf{M}_1}$ is completely described by σ_T , σ_R , σ_S , ρ_{TS} , ρ_{RS} , ρ_{TR} , because of its symmetry.

III. EXPLANATION OF TRAJECTORY TABLES

Tabular listings of pertinent quantities of the heliocentric and planetocentric trajectories, differential corrections, guidance, and orbit determination parameters are given at 1-day launch date intervals and 2-day flight time intervals over the selected launch period. The launch period is selected to encompass the minimum energy transfer dates obtained from Ref. 7 and 8. A summary of the characteristics of these trajectories is given in Ref. 7.

Each trajectory begins with a header giving launch date, flight time (in days), and arrival date. All the heliocentric transfer trajectories are calculated assuming launch into the heliocentric orbit at 0 hours of the launch date and arrival at 0 hours of the arrival date. Later, however, when the launch-planet ascent trajectories are computed, the actual launch times during the launch day for each launch azimuth are given.

Each page lists four trajectories, each of which is divided into five basic print groups: HELIOCENTRIC CONIC, PLANETOCENTRIC CONIC, DIFFERENTIAL CORRECTIONS, MID-COURSE EXECUTION ACCURACY, and ORBIT DETERMINATION ACCURACY. Each quantity is assigned an identifying alphabetic symbol of no more than three letters. The definitions of the symbols and quantities they represent are given below. All pertinent quantities are referenced to the mean equinox and equator, or ecliptic, of *launch* date.

A. Heliocentric Conic Group

The HELIOCENTRIC CONIC group gives the characteristics of the heliocentric transfer ellipse, such as the position and velocity vectors at launch and arrival, some orbital elements, and other quantities of engineering interest. The printout array is as follows:

HELIOCENTRIC CONIC	DISTANCE
RL LAL LOL VL GAL AZL HCA SMA ECC INC V1	
RP LAP LOP VP GAP AZP TAL TAP RCA APO V2	
RC GL GP ZAL ZAP ETS ZAE ETE ZAC ETC CLP	

After the words HELIOCENTRIC CONIC, the heliocentric arc DISTANCE traveled by the spacecraft from launch to arrival is printed. The quantities are defined as follows (all angles are in deg; distances are in millions of km; speeds are in km/sec):

Line 1

RL, $R_L = |\mathbf{R}_L|$ the heliocentric radius of the launch planet at 0 hours of the launch date.

LAL, β_L the celestial latitude of the launch planet at 0 hours of the launch date.

LOL, λ_L the celestial longitude of the launch planet at 0 hours of the launch date.

VL, $V_L = |\mathbf{V}_L|$ the heliocentric speed of the probe at 0 hours of the launch date.

GAL, Γ_L the path angle of the probe at 0 hours of the launch date, i.e., the complement of the angle between the position and velocity vectors, \mathbf{R}_L and \mathbf{V}_L , defined by

$$\sin \Gamma_L = \frac{\mathbf{R}_L \cdot \mathbf{V}_L}{R_L V_L} \quad -\frac{\pi}{2} \leq \Gamma_L \leq \frac{\pi}{2}$$

AZL, Σ_L the azimuth angle of the probe at 0 hours of the launch date, i.e., the angle, measured in a plane perpendicular to the radius vector \mathbf{R}_L , between the projection of the ecliptic north and the projection of the velocity vector \mathbf{V}_L on the plane perpendicular to \mathbf{R}_L , defined by

$$\cos \Sigma_L = \frac{\mathbf{V}_L \cdot \Psi^1}{V_L \cos \Gamma_L} \quad 0 \leq \Sigma_L \leq 2\pi$$

$$\sin \Sigma_L = \frac{(\mathbf{R}_L \times \mathbf{V}_L) \cdot \Psi^1}{|\mathbf{R}_L \times \mathbf{V}_L|}$$

where $\Psi^1 = (\mathbf{K}' - \mathbf{R}_L^1 \sin \beta_L) \sec \beta_L$, where the superscript 1 denotes a unit vector.

HCA, ψ the heliocentric central angle, or angle between the position vector \mathbf{R}_L , of the launch planet at 0 hours of the launch date and the position vector \mathbf{R}_p , of the target planet at 0 hours of the arrival date. This angle is defined by Eq. (3) and (4) and illustrated in Fig. 1.

SMA, a the semimajor axis of the heliocentric transfer ellipse.

ECC, e	the eccentricity of the heliocentric transfer ellipse.	GL, γ_L	the angle between the launch hyperbolic-excess velocity vector \mathbf{V}_{hL} and its projection on the orbital plane of the launch planet, defined by
INC, i	the inclination of the heliocentric transfer ellipse.		
V1, $V_1 = \mathbf{V}_1 $	the heliocentric speed of the launch planet at 0 hours of the launch date.		
Line 2			
RP, $R_p = \mathbf{R}_p $	the heliocentric radius of the target planet at 0 hours of the arrival date.		
LAP, β_p	the celestial latitude of the target planet at 0 hours of the arrival date.		
LOP, λ_p	the celestial longitude of the target planet at 0 hours of the arrival date.	GP, γ_p	the angle between the incoming arrival hyperbolic-excess velocity vector \mathbf{V}_{hp} , and its projection on the target planet's orbital plane, defined by
VP, $V_p = \mathbf{V}_p $	the heliocentric speed of the probe at 0 hours of the arrival date.		
GAP, Γ_p	the path angle of the probe at 0 hours of the arrival date, defined the same as Γ_L except that \mathbf{R}_p and \mathbf{V}_p are substituted for \mathbf{R}_L and \mathbf{V}_L .		
AZP, Σ_p	the azimuth angle of the probe at 0 hours of the arrival date, defined the same as Σ_L except that \mathbf{R}_p and \mathbf{V}_p are substituted for \mathbf{R}_L and \mathbf{V}_L .		
TAL, v_L	the true anomaly of the probe in the heliocentric transfer ellipse at 0 hours of the launch date.		
TAP, v_p	the true anomaly of the probe in the heliocentric transfer ellipse at 0 hours of the arrival date.	ZAL, ζ_L	the angle between the outgoing launch asymptote (or hyperbolic-excess velocity vector) and the launch heliocentric radius vector \mathbf{R}_L at launch time. This is the Sun-launch-planet-probe angle and is a good approximation to the launch-planet-probe-Sun angle as the probe leaves the launch planet. It is an important quantity in the design of attitude control systems which use the Sun and launch planet as optical references. The quantity ζ_L is defined as follows:
RCA, R_{CA}	the perihelion distance of the heliocentric transfer ellipse. This distance is printed even though the probe may not transit perihelion.		
APO, R_A	the aphelion distance of the heliocentric transfer ellipse. This distance is printed even though the probe may not transit aphelion.		
V2, $V_2 = \mathbf{V}_2 $	the heliocentric speed of the target planet at 0 hours of the arrival date.		
Line 3			
RC, R_c	the communication distance, or distance between the launch and target planets at 0 hours of the arrival date.		

$$\sin \gamma_L = \frac{\mathbf{W}_1 \cdot \mathbf{V}_{hL}}{V_{hL}} \quad -\frac{\pi}{2} \leq \gamma_L \leq \frac{\pi}{2}$$

where \mathbf{W}_1 is a unit normal to the launch planet's orbital plane. This angle is useful in describing the direction in which the probe leaves the launch planet.

$$\sin \gamma_p = \frac{\mathbf{W}_2 \cdot \mathbf{V}_{hp}}{V_{hp}} \quad -\frac{\pi}{2} \leq \gamma_p \leq \frac{\pi}{2}$$

where \mathbf{W}_2 is a unit normal to the target planet's orbital plane. This angle is useful in determining whether the probe is approaching from above or below the target planet. If γ_p is positive, the probe approaches from below—if negative, from above.

$$\cos \zeta_L = \frac{\mathbf{V}_{hL} \cdot \mathbf{R}_L^1}{V_{hL}} \quad 0 \leq \zeta_L \leq \pi$$

The next six quantities, all angles, have the same general definition. They are important in the design of the near-target trajectory and are used in determining the aiming point for interplanetary flyby trajectories. Consider the target-centered geometry of Fig. 10.

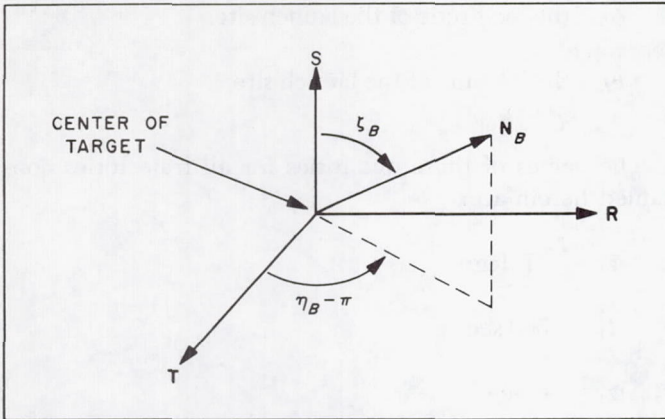


Fig. 10. Generalized geometry for aiming point angles

In this diagram, the reference coordinate system is the same target R, S, T system defined in Section IIC. A unit vector N_B (subscript B for body) is directed from the target center to another celestial body. The angular quantity ζ_B is the angle subtended at the target center between the incoming asymptote S and the target-celestial body line N_B . Thus

$$\cos \zeta_B = \mathbf{S} \cdot \mathbf{N}_B = \frac{\mathbf{V}_{hp} \cdot \mathbf{N}_B}{V_{hp}} \quad 0 \leq \zeta_B \leq \pi$$

since

$$\mathbf{S} = \frac{\mathbf{V}_{hp}}{V_{hp}}$$

The angle η_B is the supplement of the angle between the T direction and the projection of N_B on the R - T plane, defined by

$$\sin \eta_B = \frac{-\mathbf{R} \cdot \mathbf{N}_B}{\sin \zeta_B} \quad 0 \leq \eta_B \leq 2\pi$$

$$\cos \eta_B = \frac{-\mathbf{T} \cdot \mathbf{N}_B}{\sin \zeta_B}$$

These quantities are computed for three celestial bodies: the Sun (ζ_S and η_S), the Earth (ζ_E and η_E), and the star Canopus (ζ_C and η_C). Thus,

ZAP, ζ_S (or ζ_p) the Sun-target-probe angle. Actually, this angle should be symbolized ZAS, but, for historical reasons, is not. This angle is useful in that it indicates the direction of the probe's approach to

the target. If $\zeta_S < \pi/2$, the probe approaches from the target planet's dark side. If $\zeta_S > \pi/2$, it approaches from the light side.

ETS, η_S

defined as above.

ZAE, ζ_E

the Earth-target-probe angle. This angle is useful in locating the Earth as the probe approaches the target.

ETE, η_E

defined as above.

ZAC, ζ_C

the Canopus-target-probe angle.

ETC, η_C

defined as above.

CLP, σ_p

the angle between the projection of the incoming asymptote S on the target planet's orbital plane and the target-Sun line at arrival time, defined by

$$\cos \sigma_p = -\mathbf{R}_p^1 \cdot \mathbf{S}_{pr} \quad -\pi \leq \sigma_p \leq \pi$$

$$\sin \sigma_p = -\mathbf{S}_{pr} \cdot (\mathbf{W}_2 \times \mathbf{R}_p^1)$$

where \mathbf{S}_{pr} is the projection of S on the target's orbital plane given by

$$\mathbf{S}_{pr} = \frac{\mathbf{S} - \mathbf{W}_2 (\mathbf{S} \cdot \mathbf{W}_2)}{|\mathbf{S} - \mathbf{W}_2 (\mathbf{S} \cdot \mathbf{W}_2)|}$$

Recall that \mathbf{W}_2 is the unit normal vector to the target's orbital plane. This angle is illustrated in Fig. 11.

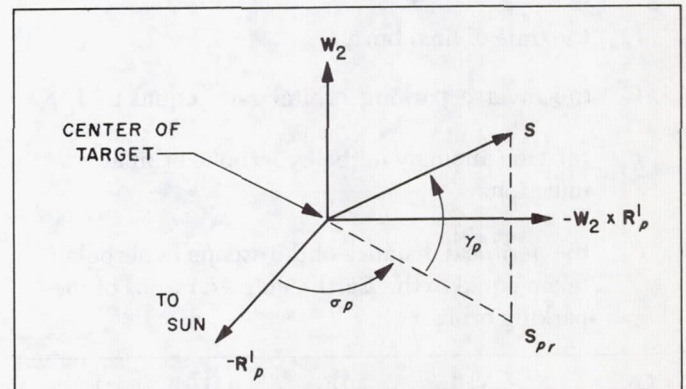


Fig. 11. Definition of σ_p and γ_p

B. Planetocentric Conic Group

The second group, PLANETOCENTRIC CONIC, gives the characteristics of primarily the launch-planet ascent trajectories, but also includes the hyperbolic-excess vector at the target. Injection conditions are given for three launch azimuths, assuming both short and long parking orbits. As explained in Ref. 6, there may be two launch times per day for each launch azimuth, resulting in a short and long parking orbit. The injection conditions for each set are given in geocentric space-fixed spherical coordinates and, by assuming a 100-nm parking orbit altitude and typical boost vehicle trajectory characteristics, the longitude of injection is calculated, along with the latitude and longitude of ignition of final burn out of the parking orbit.

A special case may arise when the declination of the outgoing asymptote of the escape hyperbola is greater than the launch site latitude (Cape Canaveral). In this case, owing to geometrical restrictions, it may not be possible to fire in a symmetrical band of azimuths about due east, as explained in Ref. 6. This band of restricted azimuths may eliminate part or all of the selected launch azimuths, 90, 100, and 110 deg. When this happens, only those trajectories with permissible azimuths are printed, in addition to the limiting azimuths, or the most northerly and southerly azimuths, that are possible.

The ascent trajectory profile is as shown in Fig. 12. Its characteristics are defined as follows:

- Φ_1 the arc subtended at Earth's center during ascent from launch into parking orbit.
- t_1 the time from launch to parking-orbit injection.
- Φ_2 the arc subtended at Earth's center during final burn out of the parking orbit, to injection.
- t_2 the time of final burn.
- $k_{\dot{\Phi}}$ the inverse parking orbital rate, equal to $1/\dot{\Phi}_c$.
- v_1 the true anomaly in the hyperbolic orbit at injection.
- R_p the perifocal distance of the escape hyperbola, taken equal to the Earth-centered radius of the parking orbit.

- ϕ_L the longitude of the launch site.
- θ_L the latitude of the launch site.

The values of these quantities for all trajectories contained herein are:

- $\Phi_1 = 17 \text{ deg}$
- $t_1 = 500 \text{ sec}$
- $\Phi_2 = 8 \text{ deg}$
- $t_2 = 100 \text{ sec}$
- $k_{\dot{\Phi}} = 14.689 \text{ sec/deg}$
- $v_1 = 3.7 \text{ deg}$
- $R_p = 6560 \text{ km}$
- $\phi_L = 28.317 \text{ deg}$
- $\theta_L = 279.457 \text{ deg}$

An inherent assumption here is that these quantities are relatively invariant with injection energy. This is a reasonable assumption and will affect the injection coordinates only slightly.

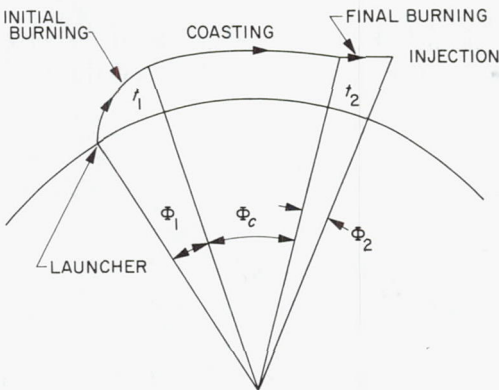


Fig. 12. Ascent trajectory profile

The print array for the PLANETOCENTRIC CONIC group is:

C3	VHL	DLA	RAL	RAD	VEL	PTH	VHP	DPA	RAP	ECC
LNCH AZMTH	LNCH TIME	L-I TIME	INJ LAT	INJ LONG	INJ RT ASC	INJ AZMTH	INJ TIME	PO CST TIM	INJ 2 LAT	INJ 2 LONG

The quantities are defined as follows (all angles are in deg; distances are in km; speeds are in km/sec, launch-injection (L-I) time and parking orbit coast time (PO CST TIM) are in sec; launch time and injection time are in hr, min, and sec, GMT):

Line 1

C3, C_3	the <i>vis viva</i> integral (Moulton), or twice the total energy per unit mass, expressed in km^2/sec^2 and defined by $C_3 = V_{hL}^2$.
VHL, V_{hL}	the launch hyperbolic-excess speed.
DLA, Φ_S	the declination of the outgoing asymptote of the escape hyperbola defined in Eq. (18).
RAL, Θ_S	the right ascension of the outgoing asymptote of the escape hyperbola defined in Eq. (18).
RAD, $R = \mathbf{R} $	the launch-planet-centered injection radius.
VEL, $V = \mathbf{V} $	the inertial injection speed.
PTH, Γ	the injection path angle defined by $\sin \Gamma = \frac{\mathbf{V} \cdot \mathbf{R}}{VR} \quad -\frac{\pi}{2} \leq \Gamma \leq \frac{\pi}{2}$
VHP, V_{hp}	the hyperbolic-excess speed at the target.
DPA, Φ_{sp}	the declination of the incoming asymptote at the target. The reference coordinate system here is vernal equinox, Earth equatorial, mean of <i>launch</i> date
RAP, Θ_{sp}	the right ascension of the incoming asymptote at the target. Same reference coordinates as for Φ_{sp} .
ECC, e	the eccentricity of the escape hyperbola.

Line 2

LNCH AZMTH, Σ_L	the launch azimuth measured in a plane tangent to the surface of the launch planet at the launch site, positive east of true north.
LNCH TIME, T_L	the launch time. For the range of launch azimuths given herein, launch time may cross 0 hours,

or midnight. In this case, the launch date may be advanced to the following day for times after midnight, or it may be retarded to the previous day for times before midnight, whichever the reader wishes.

L-I TIME, t_{LI}	the launch-to-injection time.
INJ LAT, ϕ	the injection latitude (or declination Φ).
INJ LONG, θ	the injection longitude, measured positive east of Greenwich, $0 \leq \theta \leq 2\pi$.
INJ RT ASC, Θ	the injection right ascension.
INJ AZMTH, Σ	the injection azimuth, or angle between the projection of the velocity vector \mathbf{V} , on the local horizontal plane and the projection of true north on this plane, measured positive east of true north.
INJ TIME, T_I	the injection time. The same comment applies to this quantity regarding launch date as applied to the launch time. However, both times must be consistent. For example, if launch time is on the previous day, injection time may fall on the launch date shown, or it may be on the following day.
PO CST TIM, t_c	the coast time in the parking orbit, in sec.
INJ 2 LAT, ϕ_2	the latitude of the start of final burn out of the parking orbit.
INJ 2 LONG, θ_2	the longitude of the start of final burn out of the parking orbit, $0 \leq \theta_2 \leq 2\pi$.

The quantities T_I , R , Φ , Θ , V , Γ , Σ form a consistent set of injection conditions; i.e., they are the time and the space-fixed spherical coordinates which can be used to initialize an integrating trajectory program.

C. Differential Corrections Group

The DIFFERENTIAL CORRECTIONS group is comprised of sixteen error coefficients relating variations in

injection energy C_3 , declination Φ_s , and right ascension Θ_s , of the outgoing asymptote of the escape hyperbola, the astronomical unit, and solar radiation pressure to variations in the miss components $\mathbf{B} \cdot \mathbf{T}$, $\mathbf{B} \cdot \mathbf{R}$, and the flight time. These coefficients are very useful in gaging the error sensitivity of an interplanetary trajectory. The printout array for this group is as follows:

DIFFERENTIAL CORRECTIONS

TDE	TRA	TC3	BAU
RDE	RRA	RC3	FAU
FDE	FRA	FC3	BSP
BDE	BRA	BC3	FSP

The symbols are defined as follows:

Line 1

TDE, $\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Phi_s}$	the partial derivative of the \mathbf{T} component of the impact parameter \mathbf{B} , with respect to the declination of the launch escape asymptote Φ_s , in megakilometers/deg.
TRA, $\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial \Theta_s}$	the partial derivative of the \mathbf{T} component of the impact parameter \mathbf{B} , with respect to the right ascension of the launch escape asymptote Θ_s , in megakilometers/deg.
TC3, $\frac{\partial \mathbf{B} \cdot \mathbf{T}}{\partial C_3}$	the partial derivative of the \mathbf{T} component of the impact parameter \mathbf{B} , with respect to the injection energy C_3 , in megakilometers/km ² /sec ² .
BAU, $\frac{\partial \mathbf{B}}{\partial au}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the astronomical unit-to-kilometer conversion factor. This derivative is dimensionless and indicates the target miss caused by an uncertainty in the value of the astronomical unit.

Line 2

RDE, $\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Phi_s}$	the partial derivative of the \mathbf{R} component of the impact parameter \mathbf{B} , with respect to the declination of the launch escape asymptote Φ_s , in megakilometers/deg.
RRA, $\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial \Theta_s}$	the partial derivative of the \mathbf{R} component of the impact parameter \mathbf{B} , with respect to the right ascension of the launch

escape asymptote Θ_s , in megakilometers/deg.

RC3, $\frac{\partial \mathbf{B} \cdot \mathbf{R}}{\partial C_3}$ the partial derivative of the \mathbf{R} component of the impact parameter \mathbf{B} , with respect to the injection energy C_3 , in megakilometers/km²/sec².

FAU, $\frac{\partial T_F}{\partial au}$ the partial derivative of the flight time T_F , with respect to the astronomical unit-to-kilometer conversion factor. This derivative has dimensions of sec/km and indicates the error in flight time caused by an uncertainty in the value of the astronomical unit.

Line 3

FDE, $\frac{\partial T_F}{\partial \Phi_s}$	the partial derivative of flight time T_F , with respect to the declination of the launch escape asymptote Φ_s , in days/deg.
FRA, $\frac{\partial T_F}{\partial \Theta_s}$	the partial derivative of flight time T_F , with respect to the right ascension of the launch escape asymptote Θ_s , in days/deg.
FC3, $\frac{\partial T_F}{\partial C_3}$	the partial derivative of flight time T_F , with respect to the injection energy C_3 , in days/km ² /sec ² .
BSP, ΔB_{sp}	the target miss (in km) caused by solar radiation pressure acting on a 300-kg spacecraft having an effective perfectly reflecting area of 3.6 square meters.

Line 4

BDE, $\frac{\partial \mathbf{B}}{\partial \Phi_s}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the declination of the launch escape asymptote Φ_s , in megakilometers/deg.
BRA, $\frac{\partial \mathbf{B}}{\partial \Theta_s}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the right ascension of the launch escape asymptote Θ_s , in megakilometers/deg.
BC3, $\frac{\partial \mathbf{B}}{\partial C_3}$	the partial derivative of the magnitude of the impact parameter \mathbf{B} , with respect to the injection energy C_3 , in megakilometers/km ² /sec ² .
FSP, ΔT_{Fsp}	the flight time error (in sec) caused by solar radiation pressure acting on a 300-kg spacecraft having an effective perfectly reflecting area of 3.6 square meters.

D. Mid-Course Execution Accuracy Group

The MID-COURSE EXECUTION ACCURACY group gives the parameters of the "one-sigma" three-dimensional ellipsoid of target errors, resulting from a spherically distributed mid-course guidance execution error with σ_v equal to 0.1 m/sec (see Eq. 49). It is assumed here that a single mid-course guidance maneuver is applied during the time the spacecraft is essentially traveling radially outward from the launch planet. This time is approximately from several hours to several days after launch and is a practical period in which to perform a mid-course maneuver. These quantities are quoted in the useful R, S, T coordinate system discussed above.

The print array for this group is:

MID-COURSE EXECUTION ACCURACY

SGT	SGR	SG3
RRT	RRF	RTF
SGB	R23	R13
SG1	SG2	THA

The quantities are defined as follows:

Line 1

SGT, σ_T	the standard deviation of position errors along the T axis, in km.
SGR, σ_R	the standard deviation of position errors along the R axis, in km.
SG3, σ_3	the standard deviation of flight time errors, in sec.

Line 2

RRT, ρ_{RT}	the linear correlation coefficient relating position errors in the R and T directions (dimensionless).
RRF, ρ_{RF}	the linear correlation coefficient relating position errors in the R direction and flight-time errors (dimensionless).
RTF, ρ_{TF}	the linear correlation coefficient relating position errors in the T direction and flight-time errors (dimensionless).

Line 3

SGB, σ_B	the square root of the sum of the squares of σ_R and σ_T .
-----------------	--

R23, ρ_{23} the linear correlation coefficient of σ_2 and σ_3 ($= \sigma_F$). The same remarks apply to this number as to ρ_{13} , except that the σ_2 direction replaces the σ_1 direction.

R13, ρ_{13} the linear correlation coefficient relating σ_1 and σ_3 ($= \sigma_F$). This number statistically relates position errors in the σ_1 direction to flight time errors. If $\rho_{13} = 1$, then a position error in the σ_1 direction will always be accompanied by a flight-time error which is linearly related to that position error; ρ_{13} is dimensionless.

Line 4

SG1, σ_1	the semimajor axis of the error ellipse formed by projecting the three-dimensional error ellipsoid onto the T-R plane (Fig. 8), in km.
SG2, σ_2	the semiminor axis of this error ellipse (Fig. 8), in km.
THA, θ	the angle between the T axis and the direction of the σ_1 axis, measured in the T-R plane as shown in Fig. 8, in deg.

E. Orbit Determination Accuracy Group

The ORBIT DETERMINATION ACCURACY group is comprised of 12 numbers which describe the uncertainty in target coordinates due to tracking errors described in Section IIE. The printout array for this group is as follows:

ORBIT DETERMINATION ACCURACY

ST	SR	SS
CRT	CRS	CST
LSA	MSA	SSA
EL1	EL2	ALF

The first two lines describe the covariance of M_1 by the method described in Section IIE (Eq. 67):

Line 1

ST, σ_T	the standard deviation of errors in the coordinate $B \cdot T$, in km.
SR, σ_R	the standard deviation of errors in the coordinate $B \cdot R$, in km.
SS, σ_S	the standard deviation of errors in S, in km.

Line 2

- CRT, ρ_{RT} the linear correlation coefficient relating errors in $\mathbf{B} \cdot \mathbf{R}$ to errors in $\mathbf{B} \cdot \mathbf{T}$, dimensionless.
- CRS, ρ_{RS} the linear correlation coefficient relating errors in $\mathbf{B} \cdot \mathbf{R}$ to errors in S , dimensionless.
- CST, ρ_{TS} the linear correlation coefficient relating errors in $\mathbf{B} \cdot \mathbf{T}$ to errors in S , dimensionless.

The third line contains the three semiaxes of the one-sigma position ellipsoid described by $\mathbf{M}_1 \Lambda^{-1} \mathbf{M}^T = 1$.

Line 3

- LSA, $\sqrt{\epsilon_{max}}$ the largest semiaxis of the position ellipsoid, in km. (ϵ_{max} is the largest eigenvalue of Λ_{M_1} , in km^2 .)
- MSA, $\sqrt{\epsilon_{mid}}$ the middle semiaxis of the position ellipsoid, in km. (ϵ_{mid} is the second-largest, or middle, eigenvalue of Λ_{M_1} , in km^2 .)
- SSA, $\sqrt{\epsilon_{min}}$ the smallest semiaxis of the position ellipsoid, in km. (ϵ_{min} is the smallest eigenvalue of Λ_{M_1} , in km^2 .)

The fourth line describes the projection of the above position ellipsoid on the \mathbf{T} - \mathbf{R} plane. This projection is an ellipse with major and minor semiaxes and orientation as described below:

Line 4

- EL1 the major semiaxis of the target error ellipsoid projected onto the \mathbf{T} - \mathbf{R} plane, in km.

EL2

the minor semiaxis of the target error ellipsoid projected onto the \mathbf{T} - \mathbf{R} plane, in km.

ALF, α

the angle measured counterclockwise from the \mathbf{T} -axis to the major semiaxis direction, in deg ($0 \leq \alpha \leq 180$ deg).

The $\Lambda_{\dot{\mathbf{x}}}$ matrix used in generating the results for this report is

$$\Lambda_{\dot{\mathbf{x}}} = \begin{pmatrix} 100 \times 10^{-10} & 0 & 0 \\ 0 & 9 \times 10^{-10} & 0 \\ 0 & 0 & .09 \times 10^{-10} \end{pmatrix} \left(\frac{\text{km}}{\text{sec}} \right)^2$$

In all cases $\text{LSA} \gg \text{SSA}$, so that the information contained in lines 3 and 4 of the printout is very useful in visualizing the error ellipsoid. The general shape of the ellipsoid is a thin elliptical "pancake." When $\text{MSA} \ll \text{LSA}$, the "pancake" degenerates to approach a pencil shape. By inspecting the "shadow" of the pancake or pencil shape on the \mathbf{T} - \mathbf{R} plane, its orientation may be visualized.

If it is desired to estimate the flight time T_F , this can easily be done by the relation

$$\sigma_F = \frac{1}{V_{hp}} \sigma_S$$

The correlation coefficients between T_F and $\mathbf{B} \cdot \mathbf{T}$ are those given by CST; those between T_F and $\mathbf{B} \cdot \mathbf{R}$ are given by CRS.

IV. CONSTANTS

Constants used in trajectory calculations at the Jet Propulsion Laboratory are given in Ref. 9. For purposes of ready reference those constants used in the calculations contained herein are given below.

Gravitational Constants

1. Sun

$$GM_S = 2.959122083 \times 10^{-4} \text{ au}^3/\text{day}^2$$

2. Earth

$$GM_E = 3.986032 \times 10^5 \text{ km}^3/\text{sec}^2$$

Astronomical Unit-to-Kilometer Conversion Factor

$$1 \text{ au} = 149.599 \times 10^6 \text{ km}$$

Earth's Rotation Rate

$$\omega_E = 4.1780742 \times 10^{-3} \text{ deg/sec}$$

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Earth-Venus Trajectories, 1967

Launch date interval: May 20 to June 28, 1967

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LAUNCH DATE MAY 20 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 29 1967

HELIOCENTRIC CONIC

DISTANCE 139.438

RL 151.37 LAL -.00 LOL 238.31 VL 18.230 GAL 14.40 AZL 92.25 HCA 47.09 SMA 93.38 ECC .65084 INC 2.2483 V1 29.434
 RP 108.87 LAP -1.65 LOP 285.38 VP 31.888 GAP -39.66 AZP 91.53 TAL 171.94 TAP 219.03 RCA 32.61 APO 154.16 V2 34.807
 RC 61.839 GL -3.17 GP 1.54 ZAL 70.48 ZAP 26.69 ETS 184.99 ZAE 149.23 ETE 166.89 ZAC 131.16 ETC 22.41 CLP 26.65

PLANETOCENTRIC CONIC

C3 156.981 VHL 12.529 DLA 1.88 RAL 167.60 RAD 6570.7 VEL 16.683 PTH 2.89 VHP 22.893 DPA 21.37 RAP 135.74 ECC 3.5835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 42 2751.32 -27.98 78.28 64.43 94.58 7 15 33 2151.3 -27.05 69.74
 90.00 18 55 34 5278.95 27.06 238.84 62.53 81.32 20 23 33 4678.9 25.58 230.49
 100.00 7 51 55 2486.13 -29.51 58.63 64.29 94.99 8 33 21 1886.1 -28.51 49.97
 100.00 20 16 2 5019.37 28.58 219.48 62.26 80.85 21 39 42 4419.4 27.02 211.03
 110.00 9 2 10 2266.25 -33.69 41.46 63.81 96.17 9 39 56 1666.2 -32.47 32.44
 110.00 21 22 17 4812.02 32.72 202.91 61.43 79.49 22 42 29 4212.0 30.92 194.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6318 TRA-1.5458 TC3 -.1046 BAU .2240 SGT 807.7 SGR 452.3 SG3 31.3 ST 358.6 SR 402.5 SS 333.1
 RDE -.8695 RRA -.4566 RC3 .0212 FAU .01389 RRT .0518 RRF -.0486 RTF -.6258 CRT -.7039 CRS -.7903 CST .9898
 FDE -.3226 FRA .5901 FC3 -.0766 BSP 2100 SGB 925.7 R23 -.0014 R13 -.6260 LSA 593.1 MSA 222.9 SSA 13.9
 BDE 1.0748 BRA 1.6119 BC3 .1067 FSP -65 SG1 808.2 SG2 451.4 THA 2.42 EL1 498.3 EL2 205.8 ALF 130.32

LAUNCH DATE MAY 20 1967

FLIGHT TIME 72.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 145.430

RL 151.37 LAL -.00 LOL 238.31 VL 18.887 GAL 13.83 AZL 92.35 HCA 50.26 SMA 95.02 ECC .62356 INC 2.3516 V1 29.434
 RP 108.89 LAP -1.81 LOP 288.55 VP 32.263 GAP -37.79 AZP 91.50 TAL 171.29 TAP 221.55 RCA 35.77 APO 154.26 V2 34.802
 RC 59.876 GL -3.63 GP 1.59 ZAL 69.47 ZAP 25.17 ETS 185.23 ZAE 150.06 ETE 165.50 ZAC 129.61 ETC 21.84 CLP 25.12

PLANETOCENTRIC CONIC

C3 141.319 VHL 11.888 DLA 1.06 RAL 168.36 RAD 6570.5 VEL 16.206 PTH 2.84 VHP 21.945 DPA 21.00 RAP 137.45 ECC 3.3258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 47 2706.91 -27.69 75.06 63.31 96.17 7 23 54 2106.9 -26.55 66.58
 90.00 18 52 30 5285.32 27.12 239.30 62.25 81.54 20 20 36 4685.3 25.67 230.93
 100.00 8 0 37 2442.95 -29.21 55.46 63.11 96.63 8 41 20 1842.9 -27.99 46.87
 100.00 20 13 21 5024.52 28.64 219.86 61.99 81.04 21 37 6 4424.5 27.10 211.39
 110.00 9 10 0 2225.80 -33.35 38.35 62.49 97.98 9 47 5 1625.8 -31.89 29.43
 110.00 21 20 28 4814.43 32.75 203.09 61.17 79.60 22 40 43 4214.4 30.97 194.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6309 TRA-1.5449 TC3 -.1095 BAU .2121 SGT 845.5 SGR 457.3 SG3 34.1 ST 377.4 SR 405.7 SS 351.6
 RDE -.8313 RRA -.4409 RC3 .0246 FAU .01413 RRT .0549 RRF -.0513 RTF -.6449 CRT -.7027 CRS -.7931 CST .9891
 FDE -.3382 FRA .6101 FC3 -.0866 BSP 2204 SGB 961.2 R23 -.0014 R13 -.6451 LSA 615.1 MSA 228.3 SSA 14.1
 BDE 1.0436 BRA 1.6065 BC3 .1122 FSP -72 SG1 846.0 SG2 456.3 THA 2.40 EL1 511.6 EL2 212.9 ALF 132.06

LAUNCH DATE MAY 20 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 151.504

RL 151.37 LAL -.00 LOL 238.31 VL 19.501 GAL 13.26 AZL 92.45 HCA 53.42 SMA 96.65 ECC .59701 INC 2.4457 V1 29.434
 RP 108.90 LAP -1.96 LOP 291.71 VP 32.620 GAP -36.02 AZP 91.46 TAL 170.66 TAP 224.08 RCA 38.95 APO 154.34 V2 34.797
 RC 57.979 GL -4.12 GP 1.65 ZAL 68.54 ZAP 23.67 ETS 185.51 ZAE 151.00 ETE 163.93 ZAC 128.03 ETC 21.30 CLP 23.61

PLANETOCENTRIC CONIC

C3 127.290 VHL 11.282 DLA .24 RAL 169.04 RAD 6570.4 VEL 15.768 PTH 2.80 VHP 21.033 DPA 20.60 RAP 139.17 ECC 3.0949
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 34 2661.66 -27.32 71.80 62.06 97.76 7 31 56 2061.7 -25.96 63.40
 90.00 18 49 9 5290.83 27.18 239.69 61.83 81.73 20 17 20 4690.8 25.75 231.31
 100.00 8 9 2 2398.92 -28.82 52.24 61.82 98.28 8 49 1 1798.9 -27.38 43.74
 100.00 20 10 23 5028.80 28.68 220.17 61.57 81.19 21 34 12 4428.8 27.17 211.69
 110.00 9 17 32 2184.50 -32.91 35.21 61.06 99.79 9 53 56 1584.5 -31.21 26.40
 110.00 21 18 23 4815.99 32.77 203.21 60.77 79.66 22 38 39 4216.0 30.99 194.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6322 TRA-1.5411 TC3 -.1133 BAU .1988 SGT 883.7 SGR 461.6 SG3 37.0 ST 397.8 SR 408.2 SS 370.9
 RDE -.7936 RRA -.4248 RC3 .0284 FAU .01441 RRT .0566 RRF -.0537 RTF -.6643 CRT -.7033 CRS -.7962 CST .9886
 FDE -.3545 FRA .6298 FC3 -.0980 BSP 2366 SGB 997.0 R23 -.0021 R13 -.6645 LSA 638.8 MSA 232.8 SSA 14.3
 BDE 1.0146 BRA 1.5986 BC3 .1168 FSP -80 SG1 884.2 SG2 460.6 THA 2.32 EL1 526.0 EL2 219.4 ALF 133.95

LAUNCH DATE MAY 20 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 157.654

RL 151.37 LAL -.00 LOL 238.31 VL 20.073 GAL 12.71 AZL 92.53 HCA 56.58 SMA 98.27 ECC .57124 INC 2.5323 V1 29.434
 RP 108.92 LAP -2.11 LOP 294.87 VP 32.962 GAP -34.35 AZP 91.40 TAL 170.06 TAP 226.64 RCA 42.13 APO 154.40 V2 34.793
 RC 56.154 GL -4.63 GP 1.70 ZAL 67.67 ZAP 22.18 ETS 185.85 ZAE 152.05 ETE 162.13 ZAC 126.44 ETC 20.79 CLP 22.12

PLANETOCENTRIC CONIC

C3 114.713 VHL 10.710 DLA -.58 RAL 169.65 RAD 6570.2 VEL 15.364 PTH 2.75 VHP 20.154 DPA 20.20 RAP 140.90 ECC 2.8879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 4 2615.56 -26.85 68.51 60.71 99.35 7 39 40 2015.6 -25.29 60.19
 90.00 18 45 30 5295.56 27.22 240.03 61.27 81.89 20 13 46 4695.6 25.82 231.64
 100.00 8 17 9 2354.05 -28.34 48.99 60.42 99.93 8 56 23 1754.0 -26.68 40.59
 100.00 20 7 7 5032.31 28.72 220.42 61.02 81.32 21 30 59 4432.3 27.22 211.94
 110.00 9 24 46 2142.36 -32.38 32.03 59.53 101.60 10 0 29 1542.4 -30.45 23.35
 110.00 21 15 59 4816.76 32.77 203.27 60.23 79.70 22 36 16 4216.8 31.01 194.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6333 TRA-1.5369 TC3 -.1164 BAU .1855 SGT 923.6 SGR 465.2 SG3 40.2 ST 419.1 SR 409.9 SS 391.1
 RDE -.7564 RRA -.4085 RC3 .0327 FAU .01472 RRT .0585 RRF -.0563 RTF -.6829 CRT -.7038 CRS -.7992 CST .9881
 FDE -.3716 FRA .6498 FC3 -.1111 BSP 2525 SGB 1034.1 R23 -.0029 R13 -.6831 LSA 663.6 MSA 236.9 SSA 14.5
 BDE .9865 BRA 1.5903 BC3 .1209 FSP -88 SG1 924.1 SG2 464.1 THA 2.26 EL1 541.1 EL2 225.5 ALF 135.91

LAUNCH DATE MAY 20 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 163.875

RL 151.37 LAL -0.00 LOL 238.31 VL 20.607 GAL 12.16 AZL 92.61 HCA 59.74 SMA 99.87 ECC .54632 INC 2.6129 V1 29.434
 RP 108.93 LAP -2.26 LOP 298.03 VP 33.286 GAP -32.75 AZP 91.32 TAL 169.48 TAP 229.23 RCA 45.31 APO 154.43 V2 34.790
 RC 54.407 GL -5.18 GP 1.77 ZAL 66.88 ZAP 20.71 ETS 186.26 ZAE 153.21 ETE 160.07 ZAC 124.83 ETC 20.30 CLP 20.64

PLANETOCENTRIC CONIC

C3 103.430 VHL 10.170 CLA -1.40 RAL 170.18 RAD 6570.0 VEL 14.992 PTH 2.70 VHP 19.308 DPA 19.78 RAP 142.63 ECC 2.7022
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 18 2568.62 -26.29 65.19 59.25 100.92 7 47 6 1968.6 -24.52 56.97
 90.00 18 41 32 5299.61 27.26 240.32 60.58 82.03 20 9 51 4699.6 25.88 231.93
 100.00 8 24 59 2308.33 -27.76 45.72 58.92 101.56 9 3 27 1708.3 -25.89 37.42
 100.00 20 3 32 5035.13 28.75 220.63 60.34 81.43 21 27 27 4435.1 27.26 212.14
 110.00 9 31 44 2099.39 -31.75 28.84 57.91 103.39 10 6 43 1499.4 -29.58 20.30
 110.00 21 13 16 4816.83 32.78 203.28 59.56 79.70 22 33 33 4216.8 31.01 194.50

DIFFERENTIAL CORRECTIONS

TDE .6346 TRA-1.5315 TC3 -.1186 BAU .1719
 RDE -.7198 RRA -.3920 RC3 .0375 FAU .01507
 FDE -.3894 FRA .6699 FC3 -.1261 BSP 2694
 BDE .9596 BRA 1.5809 BC3 .1244 FSP -98

MID-COURSE EXECUTION ACCURACY

SGT 964.8 SGR 468.0 SG3 43.8
 RRT .0605 RRF -.0590 RTF -.7008
 SGB 1072.4 R23 -.0037 R13 -.7010
 SG1 965.4 SG2 466.9 THA 2.19

ORBIT DETERMINATION ACCURACY

ST 441.5 SR 410.9 SS 412.1
 CRT -.7047 CRS -.8024 CST .9876
 LSA 689.6 MSA 240.4 SSA 14.7
 EL1 557.1 EL2 231.0 ALF 137.91

LAUNCH DATE MAY 20 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 170.162

RL 151.37 LAL -0.00 LOL 238.31 VL 21.105 GAL 11.62 AZL 92.69 HCA 62.90 SMA 101.46 ECC .52227 INC 2.6884 V1 29.434
 RP 108.93 LAP -2.39 LOP 301.19 VP 33.594 GAP -31.23 AZP 91.23 TAL 168.94 TAP 231.84 RCA 48.47 APO 154.45 V2 34.787
 RC 52.748 GL -5.76 GP 1.84 ZAL 66.16 ZAP 19.25 ETS 186.76 ZAE 154.48 ETE 157.67 ZAC 123.21 ETC 19.84 CLP 19.16

PLANETOCENTRIC CONIC

C3 93.305 VHL 9.659 DLA -2.23 RAL 170.64 RAD 6569.8 VEL 14.651 PTH 2.65 VHP 18.491 DPA 19.35 RAP 144.36 ECC 2.5356
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 12 15 2520.83 -25.63 61.84 57.70 102.47 7 54 15 1920.8 -23.66 53.73
 90.00 18 37 13 5303.09 27.29 240.57 59.76 82.15 20 5 36 4703.1 25.93 232.17
 100.00 8 32 33 2261.78 -27.08 42.43 57.33 103.16 9 10 15 1661.8 -25.00 34.24
 100.00 19 59 35 5037.37 28.77 220.79 59.52 81.51 21 23 33 4437.4 27.30 212.30
 110.00 9 38 25 2055.61 -31.01 25.64 56.20 105.15 10 12 40 1455.6 -28.62 17.26
 110.00 21 10 13 4816.31 32.77 203.24 58.75 79.68 22 30 29 4216.3 31.00 194.46

DIFFERENTIAL CORRECTIONS

TDE .6339 TRA-1.5273 TC3 -.1204 BAU .1594
 RDE -.6839 RRA -.3755 RC3 .0428 FAU .01543
 FDE -.4079 FRA .6905 FC3 -.1432 BSP 2816
 BDE .9325 BRA 1.5328 BC3 .1278 FSP -108

MID-COURSE EXECUTION ACCURACY

SGT 1008.7 SGR 470.2 SG3 47.6
 RRT .0639 RRF -.0622 RTF -.7171
 SGB 1112.9 R23 -.0037 R13 -.7173
 SG1 1009.3 SG2 469.0 THA 2.18

ORBIT DETERMINATION ACCURACY

ST 464.1 SR 411.1 SS 433.9
 CRT -.7041 CRS -.8054 CST .9868
 LSA 716.3 MSA 243.7 SSA 15.0
 EL1 573.2 EL2 236.4 ALF 139.90

LAUNCH DATE MAY 20 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 176.508

RL 151.37 LAL -0.00 LOL 238.31 VL 21.570 GAL 11.09 AZL 92.76 HCA 66.07 SMA 103.02 ECC .49913 INC 2.7597 V1 29.434
 RP 108.94 LAP -2.52 LOP 304.35 VP 33.886 GAP -29.78 AZP 91.12 TAL 168.42 TAP 234.49 RCA 51.60 APO 154.44 V2 34.786
 RC 51.183 GL -6.38 GP 1.91 ZAL 65.52 ZAP 17.80 ETS 187.38 ZAE 155.84 ETE 154.85 ZAC 121.57 ETC 19.41 CLP 17.70

PLANETOCENTRIC CONIC

C3 84.216 VHL 9.177 DLA -3.06 RAL 171.01 RAD 6569.6 VEL 14.337 PTH 2.61 VHP 17.704 DPA 18.90 RAP 146.10 ECC 2.3860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO-EST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 19 56 2472.22 -24.87 58.49 56.07 103.99 8 1 8 1872.2 -22.70 50.49
 90.00 18 32 31 5306.14 27.32 240.79 58.82 82.26 20 0 58 4706.1 25.97 232.38
 100.00 8 39 51 2214.43 -26.30 39.12 55.66 104.74 9 16 45 1614.4 -24.02 31.07
 100.00 19 55 18 5039.16 28.79 220.92 58.58 81.58 21 19 17 4439.2 27.32 212.42
 110.00 9 44 49 2011.05 -30.18 22.44 54.41 106.88 10 18 20 1411.1 -27.57 14.22
 110.00 21 6 49 4815.30 32.76 203.16 57.82 79.63 22 27 4 4215.3 30.98 194.39

DIFFERENTIAL CORRECTIONS

TDE .6355 TRA-1.5199 TC3 -.1201 BAU .1459
 RDE -.6486 RRA -.3590 RC3 .0488 FAU .01585
 FDE -.4278 FRA .7110 FC3 -.1630 BSP 2989
 BDE .9080 BRA 1.5618 BC3 .1296 FSP -119

MID-COURSE EXECUTION ACCURACY

SGT 1053.1 SGR 471.6 SG3 51.7
 RRT .0663 RRF -.0653 RTF -.7336
 SGB 1153.9 R23 -.0046 R13 -.7338
 SG1 1053.7 SG2 470.3 THA 2.12

ORBIT DETERMINATION ACCURACY

ST 498.6 SR 410.5 SS 456.9
 CRT -.7054 CRS -.8087 CST .9863
 LSA 745.1 MSA 246.0 SSA 15.1
 EL1 591.1 EL2 240.5 ALF 141.97

LAUNCH DATE MAY 20 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 182.910

RL 151.37 LAL -0.00 LOL 238.31 VL 22.004 GAL 10.58 AZL 92.83 HCA 69.23 SMA 104.55 ECC .47691 INC 2.8276 V1 29.434
 RP 108.94 LAP -2.64 LOP 307.52 VP 34.162 GAP -28.39 AZP 91.00 TAL 167.94 TAP 237.17 RCA 54.69 APO 154.42 V2 34.784
 RC 49.723 GL -7.03 GP 2.00 ZAL 64.95 ZAP 16.36 ETS 188.13 ZAE 157.28 ETE 151.50 ZAC 119.93 ETC 18.99 CLP 16.24

PLANETOCENTRIC CONIC

C3 76.057 VHL 8.721 DLA -3.90 RAL 171.31 RAD 6569.5 VEL 14.050 PTH 2.56 VHP 16.944 DPA 18.45 RAP 147.83 ECC 2.2517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 22 2422.82 -24.02 55.12 54.36 105.47 8 7 45 1822.8 -21.66 47.24
 90.00 18 27 27 5308.90 27.35 240.99 57.75 82.35 19 55 56 4708.9 26.01 232.58
 100.00 8 46 53 2166.31 -25.43 35.81 53.91 106.27 9 22 59 1566.3 -22.95 27.89
 100.00 19 50 37 5040.64 28.80 221.03 57.52 81.63 21 14 37 4440.6 27.34 212.53
 110.00 9 50 57 1965.77 -29.24 19.25 52.57 108.55 10 23 42 1365.8 -26.43 11.20
 110.00 21 3 3 4813.95 32.74 203.06 56.76 79.58 22 23 16 4213.9 30.96 194.29

DIFFERENTIAL CORRECTIONS

TDE .6373 TRA-1.5113 TC3 -.1180 BAU .1326
 RDE -.6140 RRA -.3426 RC3 .0555 FAU .01632
 FDE -.4489 FRA .7319 FC3 -.1857 BSP 3170
 BDE .8850 BRA 1.5496 BC3 .1304 FSP -131

MID-COURSE EXECUTION ACCURACY

SGT 1099.1 SGR 472.2 SG3 56.3
 RRT .0688 RRF -.0687 RTF -.7494
 SGB 1196.3 R23 -.0055 R13 -.7496
 SG1 1099.7 SG2 470.8 THA 2.07

ORBIT DETERMINATION ACCURACY

ST 514.3 SR 409.0 SS 481.1
 CRT -.7069 CRS -.8121 CST .9858
 LSA 775.7 MSA 247.6 SSA 15.3
 EL1 610.2 EL2 243.8 ALF 144.05

LAUNCH DATE MAY 20 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 189.362

RL 151.37 LAL -.00 LOL 238.31 VL 22.408 GAL 10.07 AZL 92.89 HCA 72.39 SMA 106.05 ECC .45562 INC 2.8928 V1 29.434
 RP 108.94 LAP -2.76 LOP 310.68 VP 34.424 GAP -27.06 AZP 90.88 TAL 167.50 TAP 239.88 RCA 57.73 APO 154.38 V2 34.784
 RC 48.377 GL -7.72 GP 2.09 ZAL 64.47 ZAP 14.93 ETS 189.08 ZAE 158.77 ETE 147.50 ZAC 118.27 ETC 18.60 CLP 14.79

PLANETOCENTRIC CONIC

C3 68.734 VHL 8.291 DLA -4.74 RAL 171.52 RAD 6569.3 VEL 13.787 PTH 2.52 VHP 16.211 DPA 17.99 RAP 149.56 ECC 2.1312
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 34 2372.67 -23.06 51.75 52.58 106.90 8 14 6 1772.7 -20.53 43.99
 90.00 18 21 57 5311.53 27.37 241.18 56.58 82.45 19 50 28 4711.5 26.04 232.76
 100.00 8 53 41 2117.46 -24.46 32.51 52.11 107.75 9 28 58 1517.5 -21.80 24.72
 100.00 19 45 31 5041.97 28.81 221.12 56.35 81.68 21 9 33 4442.0 27.36 212.62
 110.00 9 56 49 1919.81 -28.20 16.08 50.67 110.17 10 28 48 1319.8 -25.19 8.19
 110.00 20 58 53 4812.39 32.72 202.94 55.59 79.51 22 19 5 4212.4 30.93 194.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6394 TRA-1.5012 TC3 -.1139 BAU .1196 SGT 1146.6 SGR 472.1 SG3 61.2 ST 541.2 SR 406.6 SS 506.6
 RDE -.5801 RRA -.3264 RC3 .0629 FAU .01683 RRT .0716 RRF -.0724 RTF -.7644 CRT -.7088 CRS -.8156 CST .9853
 FDE -.4715 FRA .7531 FC3 -.2120 BSP 3350 SGB 1240.0 R23 -.0066 R13 -.7646 LSA 808.0 MSA 248.5 SSA 15.5
 BDE .8634 BRA 1.5363 BC3 .1301 FSP -145 SG1 1147.2 SG2 470.6 THA 2.03 EL1 630.6 EL2 246.2 ALF 146.11

LAUNCH DATE MAY 20 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 195.860

RL 151.37 LAL -.00 LOL 238.31 VL 22.785 GAL 9.59 AZL 92.96 HCA 75.55 SMA 107.52 ECC .43528 INC 2.9557 V1 29.434
 RP 108.94 LAP -2.86 LOP 313.84 VP 34.671 GAP -25.79 AZP 90.74 TAL 167.09 TAP 242.64 RCA 60.72 APO 154.32 V2 34.784
 RC 47.155 GL -8.45 GP 2.19 ZAL 64.06 ZAP 13.51 ETS 190.28 ZAE 160.27 ETE 142.66 ZAC 116.61 ETC 18.23 CLP 13.33

PLANETOCENTRIC CONIC

C3 62.163 VHL 7.884 DLA -5.59 RAL 171.65 RAD 6569.2 VEL 13.547 PTH 2.48 VHP 15.503 DPA 17.53 RAP 151.29 ECC 2.0230
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 32 2321.81 -22.02 48.39 50.76 108.27 8 20 14 1721.8 -19.32 40.76
 90.00 18 16 0 5314.21 27.40 241.37 55.29 82.54 19 44 35 4714.2 26.08 232.95
 100.00 9 0 14 2067.93 -23.39 29.22 50.25 109.17 9 34 42 1467.9 -20.56 21.57
 100.00 19 40 0 5043.32 28.83 221.22 55.07 81.73 21 4 3 4443.3 27.38 212.72
 110.00 10 2 25 1873.24 -27.07 12.93 48.74 111.72 10 33 38 1273.2 -23.87 5.22
 110.00 20 54 18 4810.78 32.70 202.82 54.32 79.44 22 14 29 4210.8 30.90 194.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6422 TRA-1.4891 TC3 -.1070 BAU .1068 SGT 1195.2 SGR 471.1 SG3 66.7 ST 569.4 SR 403.3 SS 533.7
 RDE -.5470 RRA -.3104 RC3 .0711 FAU .01740 RRT .0746 RRF -.0765 RTF -.7789 CRT -.7113 CRS -.8193 CST .9849
 FDE -.4958 FRA .7745 FC3 -.2424 BSP 3548 SGB 1284.7 R23 -.0078 R13 -.7791 LSA 842.4 MSA 248.6 SSA 15.6
 BDE .8436 BRA 1.5211 BC3 .1285 FSP -161 SG1 1195.8 SG2 469.6 THA 1.99 EL1 652.5 EL2 247.4 ALF 148.16

LAUNCH DATE MAY 20 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 202.398

RL 151.37 LAL -.00 LOL 238.31 VL 23.137 GAL 9.12 AZL 93.02 HCA 78.71 SMA 108.95 ECC .41587 INC 3.0168 V1 29.434
 RP 108.94 LAP -2.96 LOP 317.01 VP 34.904 GAP -24.57 AZP 90.59 TAL 166.72 TAP 245.43 RCA 63.64 APO 154.25 V2 34.785
 RC 46.068 GL -9.22 GP 2.30 ZAL 63.74 ZAP 12.10 ETS 191.83 ZAE 161.73 ETE 136.77 ZAC 114.95 ETC 17.88 CLP 11.88

PLANETOCENTRIC CONIC

C3 56.270 VHL 7.501 DLA -6.46 RAL 171.69 RAD 6569.0 VEL 13.328 PTH 2.44 VHP 14.820 DPA 17.06 RAP 153.01 ECC 1.9261
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 17 2270.29 -20.88 45.04 48.88 109.57 8 26 7 1670.3 -18.02 37.53
 90.00 18 9 36 5317.13 27.42 241.58 53.91 82.64 19 38 13 4717.1 26.12 233.15
 100.00 9 6 33 2017.79 -22.23 25.95 48.35 110.52 9 40 11 1417.8 -19.24 18.43
 100.00 19 34 1 5044.86 28.84 221.33 53.68 81.79 20 58 6 4444.9 27.41 212.82
 110.00 10 7 46 1826.13 -25.84 9.81 46.77 113.20 10 38 12 1226.1 -22.48 2.27
 110.00 20 49 17 4809.29 32.68 202.71 52.94 79.38 22 9 26 4209.3 30.87 193.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6428 TRA-1.4784 TC3 -.0994 BAU .0960 SGT 1246.9 SGR 469.4 SG3 72.6 ST 597.8 SR 399.0 SS 562.0
 RDE -.5147 RRA -.2948 RC3 .0801 FAU .01801 RRT .0796 RRF -.0815 RTF -.7915 CRT -.7122 CRS -.8228 CST .9841
 FDE -.5216 FRA .7969 FC3 -.2771 BSP 3681 SGB 1332.3 R23 -.0082 R13 -.7917 LSA 877.7 MSA 248.6 SSA 15.8
 BDE .8235 BRA 1.5075 BC3 .1276 FSP -176 SG1 1247.5 SG2 467.7 THA 2.00 EL1 674.5 EL2 248.2 ALF 150.12

LAUNCH DATE MAY 20 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 208.972

RL 151.37 LAL -.00 LOL 238.31 VL 23.465 GAL 8.66 AZL 93.08 HCA 81.87 SMA 110.33 ECC .39738 INC 3.0766 V1 29.434
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.124 GAP -23.40 AZP 90.44 TAL 166.40 TAP 248.27 RCA 66.49 APO 154.17 V2 34.787
 RC 45.125 GL -10.04 GP 2.42 ZAL 63.50 ZAP 10.69 ETS 193.87 ZAE 163.07 ETE 129.64 ZAC 113.29 ETC 17.54 CLP 10.42

PLANETOCENTRIC CONIC

C3 50.989 VHL 7.141 DLA -7.33 RAL 171.65 RAD 6568.9 VEL 13.128 PTH 2.40 VHP 14.160 DPA 16.59 RAP 154.72 ECC 1.8391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 49 2218.17 -19.66 41.71 46.97 110.80 8 31 48 1618.2 -16.65 34.32
 90.00 18 2 41 5320.48 27.45 241.82 52.43 82.76 19 31 22 4720.5 26.16 233.39
 100.00 9 12 39 1967.10 -20.98 22.70 46.42 111.79 9 45 26 1367.1 -17.84 15.31
 100.00 19 27 33 5046.79 28.86 221.47 52.21 81.86 20 51 39 4446.8 27.44 212.96
 110.00 10 12 52 1778.56 -24.53 6.74 44.78 114.59 10 42 31 1178.6 -21.00 359.37
 110.00 20 43 49 4808.10 32.67 202.62 51.48 79.32 22 3 57 4208.1 30.85 193.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6464 TRA-1.4635 TC3 -.0868 BAU .0852 SGT 1298.5 SGR 466.9 SG3 79.2 ST 628.6 SR 393.6 SS 592.5
 RDE -.4832 RRA -.2795 RC3 .0900 FAU .01871 RRT .0836 RRF -.0867 RTF -.8045 CRT -.7153 CRS -.8267 CST .9838
 FDE -.5501 FRA .8194 FC3 -.3177 BSP 3877 SGB 1379.9 R23 -.0096 R13 -.8047 LSA 916.4 MSA 247.3 SSA 16.0
 BDE .8070 BRA 1.4900 BC3 .1250 FSP -193 SG1 1299.2 SG2 465.0 THA 1.98 EL1 699.2 EL2 247.3 ALF 152.08

LAUNCH DATE MAY 20 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 215.579

RL 151.37 LAL -.00 LOL 238.31 VL 23.770 GAL 8.22 AZL 93.14 MCA 85.03 SMA 111.67 ECC .37982 INC 3.1355 V1 29.434
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.331 GAP -22.28 AZP 90.27 TAL 166.12 TAP 251.15 RCA 69.25 APO 154.08 V2 34.790
 RC 44.335 GL -10.91 GP 2.56 ZAL 63.35 ZAP 9.31 ETS 196.64 ZAE 164.20 ETE 121.09 ZAC 111.63 ETC 17.23 CLP 8.95

PLANETOCENTRIC CONIC

C3 46.259 VHL 6.801 DLA -8.21 RAL 171.51 RAD 6568.7 VEL 12.947 PTH 2.36 VHP 13.523 DPA 16.12 RAP 156.42 ECC 1.7613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 11 2165.52 -18.35 38.40 45.04 111.95 8 37 16 1565.5 -15.21 31.13
 90.00 17 55 15 5324.48 27.48 242.11 50.87 82.90 19 23 59 4724.5 26.22 233.67
 100.00 9 18 33 1915.92 -19.66 19.47 44.47 112.99 9 50 29 1315.9 -16.37 12.22
 100.00 19 20 34 5049.31 28.89 221.66 50.66 81.95 20 44 43 4449.3 27.47 213.14
 110.00 10 17 44 1730.61 -23.14 3.71 42.77 115.89 10 46 35 1130.6 -19.46 356.50
 110.00 20 37 52 4807.38 32.66 202.56 49.93 79.29 21 58 0 4207.4 30.84 193.82

DIFFERENTIAL CORRECTIONS

TDE .6505 TRA-1.4469 TC3 -.0705 BAU .0761
 RDE -.4524 RRA -.2647 RC3 .1009 FAU .01949
 FDE -.5811 FRA .8424 FC3 -.3647 BSP 4073
 BDE .7924 BRA 1.4709 BC3 .1231 FSP -216

MID-COURSE EXECUTION ACCURACY

SGT 1351.3 SGR 463.5 SG3 86.4
 RRT .0885 RRF -.0928 RTF -.8168
 SGB 1428.6 R23 -.0111 R13 -.8170
 SG1 1352.0 SG2 461.5 THA 1.97

ORBIT DETERMINATION ACCURACY

ST 660.9 SR 387.1 SS 625.0
 CRT -.7188 CRS -.8306 CST .9835
 LSA 957.5 MSA 245.2 SSA 16.1
 EL1 725.6 EL2 245.1 ALF 153.98

LAUNCH DATE MAY 20 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 222.212

RL 151.37 LAL -.00 LOL 238.31 VL 24.054 GAL 7.79 AZL 93.19 MCA 88.19 SMA 112.96 ECC .36317 INC 3.1938 V1 29.434
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.526 GAP -21.20 AZP 90.10 TAL 165.88 TAP 254.07 RCA 71.94 APO 153.98 V2 34.793
 RC 43.707 GL -11.82 GP 2.70 ZAL 63.29 ZAP 7.94 ETS 200.52 ZAE 165.00 ETE 111.16 ZAC 109.97 ETC 16.93 CLP 7.47

PLANETOCENTRIC CONIC

C3 42.028 VHL 6.483 DLA -9.11 RAL 171.28 RAD 6568.6 VEL 12.783 PTH 2.33 VHP 12.908 DPA 15.66 RAP 158.11 ECC 1.6917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 22 2112.40 -16.96 35.11 43.08 113.02 8 42 34 1512.4 -13.70 27.96
 90.00 17 47 15 5329.33 27.52 242.46 49.23 83.07 19 16 4 4729.3 26.28 234.01
 100.00 9 24 15 1864.34 -18.25 16.29 42.49 114.09 9 55 20 1264.3 -14.85 9.15
 100.00 19 13 3 5052.62 -28.92 221.90 49.03 82.08 20 37 15 4452.6 27.52 213.37
 110.00 10 22 22 1682.39 -21.67 .74 40.75 117.11 10 50 24 1082.4 -17.86 353.68
 110.00 20 31 26 4807.34 32.66 202.56 48.31 79.29 21 51 33 4207.3 30.84 193.81

DIFFERENTIAL CORRECTIONS

TDE .6554 TRA-1.4289 TC3 -.0501 BAU .0693
 RDE -.4225 RRA -.2504 RC3 .1127 FAU .02035
 FDE -.6152 FRA .8662 FC3 -.4192 BSP 4268
 BDE .7798 BRA 1.4506 BC3 .1234 FSP -238

MID-COURSE EXECUTION ACCURACY

SGT 1405.5 SGR 459.4 SG3 94.3
 RRT .0942 RRF -.1000 RTF -.8284
 SGB 1478.7 R23 -.0127 R13 -.8286
 SG1 1406.3 SG2 457.1 THA 1.97

ORBIT DETERMINATION ACCURACY

ST 694.8 SR 379.5 SS 659.8
 CRT -.7226 CRS -.8345 CST .9832
 LSA 1001.5 MSA 242.4 SSA 16.2
 EL1 753.8 EL2 241.8 ALF 155.82

LAUNCH DATE MAY 20 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 228.869

RL 151.37 LAL -.00 LOL 238.31 VL 24.318 GAL 7.38 AZL 93.25 MCA 91.36 SMA 114.20 ECC .34740 INC 3.2519 V1 29.434
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.709 GAP -20.16 AZP 89.92 TAL 165.68 TAP 257.04 RCA 74.53 APO 153.87 V2 34.797
 RC 43.245 GL -12.78 GP 2.87 ZAL 63.32 ZAP 6.63 ETS 206.18 ZAE 165.35 ETE 100.22 ZAC 108.32 ETC 16.64 CLP 5.98

PLANETOCENTRIC CONIC

C3 38.247 VHL 6.184 DLA -10.02 RAL 170.96 RAD 6568.5 VEL 12.634 PTH 2.29 VHP 12.314 DPA 15.21 RAP 159.79 ECC 1.6294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 24 2058.86 -15.51 31.86 41.11 113.99 8 47 43 1458.9 -12.14 24.80
 90.00 17 38 40 5335.26 27.57 242.88 47.53 83.28 19 7 35 4735.3 26.35 234.43
 100.00 9 29 47 1812.42 -16.78 13.13 40.51 115.11 10 0 0 1212.4 -13.26 6.11
 100.00 19 4 58 5056.93 28.96 222.21 47.33 82.24 20 29 15 4456.9 27.58 213.68
 110.00 10 26 46 1633.97 -20.14 357.81 38.73 118.22 10 54 0 1034.0 -16.21 350.90
 110.00 20 24 28 4808.15 32.67 202.62 46.63 79.33 21 44 36 4208.1 30.85 193.87

DIFFERENTIAL CORRECTIONS

TDE .6611 TRA-1.4087 TC3 -.0250 BAU .0655
 RDE -.3934 RRA -.2367 RC3 .1256 FAU .02130
 FDE -.6528 FRA .8906 FC3 -.4822 BSP 4470
 BDE .7693 BRA 1.4284 BC3 .1281 FSP -264

MID-COURSE EXECUTION ACCURACY

SGT 1460.3 SGR 454.5 SG3 103.1
 RRT .1010 RRF -.1084 RTF -.8394
 SGB 1529.4 R23 -.0147 R13 -.8396
 SG1 1461.1 SG2 451.9 THA 1.99

ORBIT DETERMINATION ACCURACY

ST 730.2 SR 370.6 SS 697.1
 CRT -.7268 CRS -.8384 CST .9831
 LSA 1048.4 MSA 238.9 SSA 16.4
 EL1 783.8 EL2 237.1 ALF 157.59

LAUNCH DATE MAY 20 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 235.545

RL 151.37 LAL -.00 LOL 238.31 VL 24.564 GAL 6.98 AZL 93.31 MCA 94.52 SMA 115.39 ECC .33251 INC 3.3102 V1 29.434
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.881 GAP -19.16 AZP 89.74 TAL 165.53 TAP 260.05 RCA 77.02 APO 153.76 V2 34.801
 RC 42.956 GL -13.79 GP 3.05 ZAL 63.44 ZAP 5.41 ETS 214.81 ZAE 165.20 ETE 88.98 ZAC 106.69 ETC 16.37 CLP 4.47

PLANETOCENTRIC CONIC

C3 34.873 VHL 5.905 DLA -10.95 RAL 170.55 RAD 6568.4 VEL 12.500 PTH 2.26 VHP 11.741 DPA 14.77 RAP 161.44 ECC 1.5739
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 18 2004.97 -13.99 28.63 39.14 114.87 8 52 43 1405.0 -10.52 21.67
 90.00 17 29 28 5342.49 27.63 243.40 45.78 83.53 18 58 30 4742.5 26.45 234.94
 100.00 9 35 10 1760.24 -15.25 10.02 38.52 116.03 10 4 30 1160.2 -11.63 3.10
 100.00 18 56 17 5062.45 29.01 222.62 45.58 82.44 20 20 40 4462.5 27.66 214.07
 110.00 10 30 59 1585.45 -18.55 354.95 36.71 119.24 10 57 24 985.5 -14.51 348.16
 110.00 20 16 58 4810.00 32.69 202.76 44.90 79.41 21 37 8 4210.0 30.89 194.01

DIFFERENTIAL CORRECTIONS

TDE .6676 TRA-1.3871 TC3 .0050 BAU .0651
 RDE -.3651 RRA -.2236 RC3 .1395 FAU .02236
 FDE -.6944 FRA .9160 FC3 -.5551 BSP 4669
 BDE .7609 BRA 1.4050 BC3 .1396 FSP -292

MID-COURSE EXECUTION ACCURACY

SGT 1516.1 SGR 448.8 SG3 112.8
 RRT .1094 RRF -.1184 RTF -.8496
 SGB 1581.1 R23 -.0168 R13 -.8499
 SG1 1517.0 SG2 445.9 THA 2.03

ORBIT DETERMINATION ACCURACY

ST 767.3 SR 360.4 SS 737.2
 CRT -.7312 CRS -.8422 CST .9830
 LSA 1098.5 MSA 234.8 SSA 16.5
 EL1 815.5 EL2 231.3 ALF 159.30

LAUNCH DATE MAY 20 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 242.236

RL 151.37 LAL -.00 LOL 238.31 VL 24.792 GAL 6.61 AZL 93.37 HCA 97.68 SMA 116.53 ECC .31846 INC 3.3690 V1 29.434
 RP 108.87 LAP -3.34 LOP 336.01 VP 36.043 GAP -18.20 AZP 89.55 TAL 165.43 TAP 263.11 RCA 79.42 APO 153.65 V2 34.806
 RC 42.841 GL -14.86 GP 3.25 ZAL 63.65 ZAP 4.38 ETS 228.37 ZAE 164.55 ETE 78.29 ZAC 105.06 ETC 16.12 CLP 2.93

PLANETOCENTRIC CONIC

C3 31.868 VHL 5.645 DLA -11.89 RAL 170.04 RAD 6568.3 VEL 12.379 PTH 2.23 VHP 11.188 DPA 14.35 RAP 163.08 ECC 1.5245
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 7 1950.78 -12.42 25.43 37.17 115.65 8 57 37 1350.8 -8.87 18.55
 90.00 17 19 36 5351.24 27.69 244.04 43.97 83.85 18 48 47 4751.2 26.55 235.56
 100.00 9 40 24 1707.85 -13.66 6.94 36.54 116.85 10 8 52 1107.9 -9.95 .11
 100.00 18 47 0 5069.39 29.07 223.12 43.79 82.70 20 11 29 4469.4 27.75 214.57
 110.00 10 34 59 1536.94 -16.92 352.14 34.71 120.16 11 0 36 936.9 -12.78 345.47
 110.00 20 8 54 4813.07 32.73 202.99 43.12 79.54 21 29 7 4213.1 30.94 194.23

DIFFERENTIAL CORRECTIONS

TDE .6754 TRA-1.3635 TC3 .0409 BAU .0681
 ROE -.3375 RRA -.2112 RC3 .1545 FAU .02354
 FDE -.7409 FRA .9422 FC3 -.6396 BSP 4875
 BDE .7550 BRA 1.3797 BC3 .1598 FSP -323

MID-COURSE EXECUTION ACCURACY

SGT 1572.3 SGR 442.4 SG3 123.5
 RRT .1195 RRF -.1305 RTF -.8594
 SGB 1633.3 R23 -.0193 R13 -.8596
 SG1 1573.2 SG2 439.0 THA 2.09

ORBIT DETERMINATION ACCURACY

ST 806.1 SR 348.8 SS 780.5
 CRT -.7358 CRS -.8458 CST .9831
 LSA 1152.2 MSA 230.1 SSA 16.5
 EL1 849.3 EL2 224.2 ALF 160.96

LAUNCH DATE MAY 20 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 248.940

RL 151.37 LAL -.00 LOL 238.31 VL 25.004 GAL 6.24 AZL 93.43 HCA 100.85 SMA 117.62 ECC .30525 INC 3.4288 V1 29.434
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.195 GAP -17.27 AZP 89.35 TAL 165.37 TAP 266.22 RCA 81.72 APO 153.53 V2 34.812
 RC 42.900 GL -15.97 GP 3.48 ZAL 63.94 ZAP 3.74 ETS 248.81 ZAE 163.46 ETE 68.78 ZAC 103.46 ETC 15.87 CLP 1.37

PLANETOCENTRIC CONIC

C3 29.195 VHL 5.403 DLA -12.85 RAL 169.44 RAD 6568.2 VEL 12.271 PTH 2.21 VHP 10.655 DPA 13.96 RAP 164.70 ECC 1.4805
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 51 1896.33 -10.79 22.25 35.20 116.34 9 2 27 1296.3 -7.17 15.45
 90.00 17 9 4 5361.73 27.77 244.79 42.13 84.22 18 38 26 4761.7 26.68 236.30
 100.00 9 45 32 1655.33 -12.02 3.90 34.57 117.57 10 13 8 1055.3 -8.24 357.15
 100.00 18 37 3 5077.95 29.14 223.75 41.96 83.03 20 1 41 4477.9 27.87 215.18
 110.00 10 38 49 1488.50 -15.24 349.39 32.71 120.98 11 3 37 888.5 -11.02 342.82
 110.00 20 0 16 4817.55 32.78 203.33 41.31 79.73 21 20 34 4217.5 31.02 194.55

DIFFERENTIAL CORRECTIONS

TDE .6840 TRA-1.3380 TC3 .0825 BAU .0740
 ROE -.3105 RRA -.1996 RC3 .1706 FAU .02486
 FDE -.7929 FRA .9695 FC3 -.7372 BSP 5082
 BDE .7512 BRA 1.3528 BC3 .1895 FSP -358

MID-COURSE EXECUTION ACCURACY

SGT 1628.5 SGR 435.4 SG3 135.3
 RRT .1319 RRF -.1451 RTF -.8685
 SGB 1685.7 R23 -.0220 R13 -.8688
 SG1 1629.6 SG2 431.3 THA 2.17

ORBIT DETERMINATION ACCURACY

ST 846.6 SR 335.7 SS 827.3
 CRT -.7403 CRS -.8490 CST .9832
 LSA 1209.5 MSA 224.8 SSA 16.6
 EL1 884.7 EL2 216.0 ALF 162.57

LAUNCH DATE MAY 20 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 255.653

RL 151.37 LAL -.00 LOL 238.31 VL 25.200 GAL 5.90 AZL 93.49 HCA 104.01 SMA 118.66 ECC .29284 INC 3.4898 V1 29.434
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.337 GAP -16.37 AZP 89.15 TAL 165.35 TAP 269.37 RCA 83.91 APO 153.41 V2 34.819
 RC 43.133 GL -17.13 GP 3.73 ZAL 64.33 ZAP 3.74 ETS 273.61 ZAE 162.04 ETE 60.74 ZAC 101.88 ETC 15.64 CLP -.22

PLANETOCENTRIC CONIC

C3 26.824 VHL 5.179 DLA -13.82 RAL 168.74 RAD 6568.1 VEL 12.174 PTH 2.18 VHP 10.140 DPA 13.59 RAP 166.30 ECC 1.4415
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 33 1841.64 -9.12 19.10 33.26 116.92 9 7 15 1241.6 -5.44 12.36
 90.00 16 57 49 5374.18 27.85 245.70 40.27 84.66 18 27 23 4774.2 26.82 237.18
 100.00 9 50 36 1602.72 -10.35 .89 32.61 118.20 10 17 19 1002.7 -6.50 354.22
 100.00 18 26 27 5088.33 29.22 224.51 40.10 83.42 19 51 15 4488.3 28.01 215.92
 110.00 10 42 29 1440.22 -13.53 346.69 30.73 121.70 11 6 29 840.2 -9.24 340.22
 110.00 19 51 3 4823.60 32.86 203.79 39.49 79.99 21 11 27 4223.6 31.13 194.99

DIFFERENTIAL CORRECTIONS

TDE .6939 TRA-1.3118 TC3 .1289 BAU .0817
 ROE -.2842 RRA -.1888 RC3 .1878 FAU .02633
 FDE -.8512 FRA .9982 FC3 -.8496 BSP 5250
 BDE .7499 BRA 1.3254 BC3 .2278 FSP -397

MID-COURSE EXECUTION ACCURACY

SGT 1685.5 SGR 427.8 SG3 148.5
 RRT .1472 RRF -.1629 RTF -.8767
 SGB 1738.9 R23 -.0255 R13 -.8770
 SG1 1686.7 SG2 422.8 THA 2.28

ORBIT DETERMINATION ACCURACY

ST 899.0 SR 321.0 SS 877.8
 CRT -.7443 CRS -.8516 CST .9834
 LSA 1271.1 MSA 219.3 SSA 16.6
 EL1 922.4 EL2 206.7 ALF 164.14

LAUNCH DATE MAY 20 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 262.371

RL 151.37 LAL -.00 LOL 238.31 VL 25.382 GAL 5.57 AZL 93.55 HCA 107.18 SMA 119.64 ECC .28121 INC 3.5525 V1 29.434
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.470 GAP -15.51 AZP 88.95 TAL 165.38 TAP 272.56 RCA 86.00 APO 153.29 V2 34.826
 RC 43.534 GL -18.35 GP 4.02 ZAL 64.80 ZAP 4.42 ETS 294.88 ZAE 160.41 ETE 54.14 ZAC 100.32 ETC 15.42 CLP -1.85

PLANETOCENTRIC CONIC

C3 24.726 VHL 4.973 DLA -14.81 RAL 167.96 RAD 6568.0 VEL 12.087 PTH 2.16 VHP 9.645 DPA 13.26 RAP 167.87 ECC 1.4069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 16 1786.73 -7.42 15.97 31.33 117.41 9 12 3 1186.7 -3.69 9.28
 90.00 16 45 49 5388.83 27.94 246.76 38.38 85.19 18 15 38 4788.8 26.98 238.22
 100.00 9 55 37 1550.06 -8.64 357.91 30.67 118.73 10 21 27 950.1 -4.74 351.30
 100.00 18 15 9 5100.74 29.32 225.42 38.23 83.89 19 40 10 4500.7 28.16 216.81
 110.00 10 46 1 1392.19 -11.80 344.05 28.78 122.32 11 9 13 792.2 -7.45 337.65
 110.00 19 41 14 4831.37 32.95 204.38 37.65 80.33 21 1 46 4231.4 31.26 195.56

DIFFERENTIAL CORRECTIONS

TDE .7059 TRA-1.2820 TC3 .1847 BAU .0915
 ROE -.2584 RRA -.1790 RC3 .2062 FAU .02796
 FDE -.9172 FRA 1.0282 FC3 -.9790 BSP 5496
 BDE .7517 BRA 1.2944 BC3 .2768 FSP -441

MID-COURSE EXECUTION ACCURACY

SGT 1740.7 SGR 419.7 SG3 163.2
 RRT .1662 RRF -.1847 RTF -.8855
 SGB 1790.6 R23 -.0291 R13 -.8858
 SG1 1742.2 SG2 413.5 THA 2.43

ORBIT DETERMINATION ACCURACY

ST 933.7 SR 304.6 SS 932.8
 CRT -.7483 CRS -.8534 CST .9839
 LSA 1337.5 MSA 213.1 SSA 16.6
 EL1 962.3 EL2 196.0 ALF 165.68

LAUNCH DATE MAY 20 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 269.093

RL 151.37 LAL -.00 LOL 238.31 VL 25.550 GAL 5.26 AZL 93.62 HCA 110.35 SMA 120.57 ECC .27034 INC 3.6175 V1 29.434
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.595 GAP -14.67 AZP 88.74 TAL 165.45 TAP 275.80 RCA 87.98 APO 153.17 V2 34.834
 RC 44.099 GL -19.61 GP 4.34 ZAL 65.36 ZAP 5.59 ETS 309.16 ZAE 158.67 ETE 48.81 ZAC 98.79 ETC 15.21 CLP -3.52

PLANETOCENTRIC CONIC

C3 22.875 VHL 4.783 DLA -15.82 RAL 167.08 RAD 6567.9 VEL 12.011 PTH 2.14 VHP 9.167 DPA 12.97 RAP 169.41 ECC 1.3765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 3 1731.57 -5.68 12.85 29.43 117.79 9 16 55 1131.6 -1.91 6.19
 90.00 16 33 2 5405.92 28.03 248.00 36.49 85.81 18 3 8 4805.9 27.15 239.44
 100.00 10 0 39 1497.35 -6.90 354.96 28.76 119.16 10 25 36 897.3 -2.96 348.39
 100.00 18 3 8 5115.37 29.42 226.50 36.36 84.45 19 28 23 4515.4 28.34 217.86
 110.00 10 49 27 1344.45 -10.05 341.46 26.85 122.85 11 11 52 744.5 -5.65 335.13
 110.00 19 30 49 4841.03 33.06 205.11 35.81 80.75 20 51 30 4241.0 31.43 196.26

DIFFERENTIAL CORRECTIONS

TDE .7185 TRA-1.2523 TC3 .2436 BAU .1016
 RDE -.2328 RRA -.1701 RC3 .2257 FAU .02978
 FDE -.9917 FRA 1.0599 FC3-1.1270 BSP .5678
 BDE .7553 BRA 1.2638 BC3 .3321 FSP -489

MID-COURSE EXECUTION ACCURACY

SGT 1796.2 SGR 411.4 SG3 179.5
 RRT .1899 RRF -.2116 RTF -.8928
 SGB 1842.7 R23 -.0336 R13 -.8932
 SG1 1797.9 SG2 403.5 THA 2.62

ORBIT DETERMINATION ACCURACY

ST 979.7 SR 286.2 SS 992.1
 CRT -.7503 CRS -.8537 CST .9844
 LSA 1408.1 MSA 207.0 SSA 16.5
 EL1 1003.8 EL2 184.6 ALF 167.20

LAUNCH DATE MAY 20 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 275.814

RL 151.37 LAL -.00 LOL 238.31 VL 25.705 GAL 4.96 AZL 93.69 HCA 113.52 SMA 121.45 ECC .26020 INC 3.6852 V1 29.434
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.711 GAP -13.86 AZP 88.53 TAL 165.56 TAP 279.08 RCA 89.85 APO 153.05 V2 34.842
 RC 44.820 GL -20.92 GP 4.71 ZAL 65.99 ZAP 7.04 ETS 318.17 ZAE 156.89 ETE 44.55 ZAC 97.30 ETC 15.00 CLP -5.24

PLANETOCENTRIC CONIC

C3 21.249 VHL 4.610 DLA -16.84 RAL 166.12 RAD 6567.9 VEL 11.943 PTH 2.13 VHP 8.707 DPA 12.73 RAP 170.92 ECC 1.3497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 59 1676.11 -3.91 9.74 27.57 118.07 9 21 55 1076.1 -1.12 3.10
 90.00 16 19 26 5425.68 28.12 249.44 34.60 86.52 17 49 51 4825.7 27.34 240.86
 100.00 10 5 44 1444.57 -5.14 352.04 26.89 119.49 10 29 48 844.6 -1.18 345.49
 100.00 17 50 22 5132.44 29.52 227.75 34.49 85.10 19 15 54 4532.4 28.53 219.09
 110.00 10 52 49 1297.06 -8.28 338.92 24.96 123.28 11 14 26 697.1 -3.85 332.64
 110.00 19 19 46 4852.72 33.18 206.00 33.97 81.26 20 40 38 4252.7 31.62 197.12

DIFFERENTIAL CORRECTIONS

TDE .7347 TRA-1.2181 TC3 .3124 BAU .1131
 RDE -.2074 RRA -.1622 RC3 .2466 FAU .03186
 FDE -1.0775 FRA 1.0922 FC3-1.2982 BSP .5925
 BDE .7634 BRA 1.2289 BC3 .3980 FSP -546

MID-COURSE EXECUTION ACCURACY

SGT 1849.1 SGR 403.1 SG3 197.7
 RRT .2188 RRF -.2443 RTF -.9006
 SGB 1892.5 R23 -.0388 R13 -.9011
 SG1 1851.3 SG2 392.9 THA 2.86

ORBIT DETERMINATION ACCURACY

ST 1029.2 SR 265.6 SS 1057.5
 CRT -.7516 CRS -.8524 CST .9852
 LSA 1485.9 MSA 200.0 SSA 16.4
 EL1 1048.9 EL2 171.9 ALF 168.72

LAUNCH DATE MAY 20 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 282.534

RL 151.37 LAL -.00 LOL 238.31 VL 25.849 GAL 4.68 AZL 93.76 HCA 116.69 SMA 122.28 ECC .25077 INC 3.7563 V1 29.434
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.820 GAP -13.08 AZP 88.31 TAL 165.70 TAP 282.39 RCA 91.61 APO 152.94 V2 34.851
 RC 45.690 GL -22.28 GP 5.12 ZAL 66.70 ZAP 8.68 ETS 323.96 ZAE 155.15 ETE 41.17 ZAC 95.85 ETC 14.81 CLP -7.02

PLANETOCENTRIC CONIC

C3 19.826 VHL 4.453 DLA -17.87 RAL 165.07 RAD 6567.8 VEL 11.883 PTH 2.11 VHP 8.265 DPA 12.56 RAP 172.39 ECC 1.3263
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 8 1620.23 -2.11 6.61 25.75 118.24 9 27 8 1020.2 1.68 359.98
 90.00 16 4 57 5448.41 28.20 251.10 32.73 87.35 17 35 45 4848.4 27.54 242.50
 100.00 10 10 57 1391.69 -3.36 349.12 25.06 119.72 10 34 9 791.7 .62 342.59
 100.00 17 36 49 5152.18 29.63 229.21 32.63 85.86 19 2 41 4552.2 28.74 220.52
 110.00 10 56 10 1250.05 -6.52 336.42 23.10 123.63 11 17 0 650.0 -2.06 330.18
 110.00 19 8 5 4866.59 33.32 207.06 32.17 81.88 20 29 12 4266.6 31.84 198.14

DIFFERENTIAL CORRECTIONS

TDE .7503 TRA-1.1846 TC3 .3831 BAU .1240
 RDE -.1819 RRA -.1554 RC3 .2688 FAU .03416
 FDE -1.1746 FRA 1.1272 FC3-1.4917 BSP .6111
 BDE .7720 BRA 1.1948 BC3 .4680 FSP -608

MID-COURSE EXECUTION ACCURACY

SGT 1901.0 SGR 395.3 SG3 218.1
 RRT .2557 RRF -.2849 RTF -.9072
 SGB 1941.6 R23 -.0447 R13 -.9078
 SG1 1903.8 SG2 381.6 THA 3.17

ORBIT DETERMINATION ACCURACY

ST 1078.5 SR 242.6 SS 1128.0
 CRT -.7480 CRS -.8476 CST .9858
 LSA 1567.3 MSA 193.9 SSA 16.2
 EL1 1094.0 EL2 158.7 ALF 170.24

LAUNCH DATE MAY 20 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 289.249

RL 151.37 LAL -.00 LOL 238.31 VL 25.980 GAL 4.41 AZL 93.83 HCA 119.87 SMA 123.05 ECC .24201 INC 3.8315 V1 29.434
 RP 108.71 LAP -3.32 LOP 358.23 VP 36.921 GAP -12.33 AZP 88.09 TAL 165.88 TAP 285.74 RCA 93.27 APO 152.83 V2 34.860
 RC 46.700 GL -23.67 GP 5.59 ZAL 67.47 ZAP 10.47 ETS 327.80 ZAE 153.48 ETE 38.52 ZAC 94.45 ETC 14.61 CLP -8.86

PLANETOCENTRIC CONIC

C3 18.589 VHL 4.312 DLA -18.92 RAL 163.95 RAD 6567.8 VEL 11.831 PTH 2.10 VHP 7.840 DPA 12.46 RAP 173.83 ECC 1.3059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 37 1563.75 -2.29 3.46 23.99 118.32 9 32 41 963.8 3.50 356.83
 90.00 15 49 32 5474.46 28.27 253.00 30.87 88.30 17 20 46 4874.5 27.74 244.38
 100.00 10 16 24 1338.60 -1.57 346.20 23.28 119.86 10 38 42 738.6 2.42 339.68
 100.00 17 22 27 5174.84 29.73 230.89 30.80 86.74 18 48 41 4574.8 28.96 222.17
 110.00 10 59 32 1203.40 -4.75 333.96 21.30 123.89 11 19 36 603.4 -.27 327.75
 110.00 18 55 47 4882.81 33.47 208.30 30.39 82.60 20 17 10 4282.8 32.08 199.34

DIFFERENTIAL CORRECTIONS

TDE .7668 TRA-1.1501 TC3 .4560 BAU .1347
 RDE -.1560 RRA -.1498 RC3 .2927 FAU .03671
 FDE -1.2853 FRA 1.1645 FC3-1.7099 BSP .6288
 BDE .7825 BRA 1.1598 BC3 .5419 FSP -677

MID-COURSE EXECUTION ACCURACY

SGT 1950.2 SGR 388.5 SG3 240.8
 RRT .3010 RRF -.3346 RTF -.9132
 SGB 1988.5 R23 -.0519 R13 -.9138
 SG1 1953.8 SG2 369.8 THA 3.56

ORBIT DETERMINATION ACCURACY

ST 1128.4 SR 216.8 SS 1204.2
 CRT -.7378 CRS -.8373 CST .9864
 LSA 1653.7 MSA 188.0 SSA 15.9
 EL1 1139.9 EL2 144.9 ALF 171.80

LAUNCH DATE MAY 20 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 295.957

RL 151.37 LAL -.00 LOL 238.31 VL 26.102 GAL 4.16 AZL 93.91 HCA 123.04 SMA 123.78 ECC .23390 INC 3.9117 V1 29.434
 RP 108.68 LAP -3.28 LOP 1.42 VP 37.016 GAP -11.60 AZP 87.86 TAL 166.08 TAP 289.13 RCA 94.83 APO 152.73 V2 34.870
 RC 47.841 GL -25.10 GP 6.14 ZAL 68.30 ZAP 12.38 ETS 330.41 ZAE 151.93 ETE 36.48 ZAC 93.10 ETC 14.42 CLP -10.77

PLANETOCENTRIC CONIC

C3 17.522 VHL 4.186 DLA -19.98 RAL 162.77 RAD 6567.7 VEL 11.786 PTH 2.08 VHP 7.433 DPA 12.45 RAP 175.23 ECC 1.2884
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 36 1506.38 1.56 .26 22.30 118.28 9 38 42 906.4 5.33 353.61
 90.00 15 33 4 5504.24 28.31 255.18 29.05 89.39 17 4 49 4904.2 27.93 246.53
 100.00 10 22 10 1285.11 .25 343.27 21.57 119.89 10 43 35 685.1 4.22 336.73
 100.00 17 7 11 5200.75 29.82 232.81 29.01 87.75 18 33 52 4600.7 29.18 224.06
 110.00 11 3 1 1157.08 -2.99 331.54 19.55 124.07 11 22 18 557.1 1.50 325.33
 110.00 18 42 50 4901.54 33.62 209.74 28.66 83.44 20 4 31 4301.5 32.35 200.74

DIFFERENTIAL CORRECTIONS

TDE .7843 TRA-1.1145 TC3 .5300 BAU .1448
 RDE -.1292 RRA -.1456 RC3 .3183 FAU .03955
 FDE-1.4123 FRA 1.2045 FC3-1.9540 BSP 6446
 BDE .7948 BRA 1.1240 BC3 .6183 FSP -755

MID-COURSE EXECUTION ACCURACY

SGT 1996.0 SGR 383.8 SG3 266.2
 RRT .3560 RRF -.3943 RTF -.9186
 SGB 2032.6 R23 -.0604 R13 -.9194
 SG1 2000.8 SG2 357.7 THA 4.05

ORBIT DETERMINATION ACCURACY

ST 1178.8 SR 188.1 SS 1287.0
 CRT -.7158 CRS -.8169 CST .9871
 LSA 1745.8 MSA 182.6 SSA 15.5
 EL1 1186.6 EL2 130.5 ALF 173.40

LAUNCH DATE MAY 20 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 302.657

RL 151.37 LAL -.00 LOL 238.31 VL 26.213 GAL 3.93 AZL 94.00 HCA 126.22 SMA 124.45 ECC .22641 INC 3.9980 V1 29.434
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.104 GAP -10.89 AZP 87.64 TAL 166.32 TAP 292.54 RCA 96.27 APO 152.63 V2 34.881
 RC 49.103 GL -26.57 GP 6.77 ZAL 69.17 ZAP 14.43 ETS 332.21 ZAE 150.52 ETE 34.99 ZAC 91.81 ETC 14.23 CLP -12.77

PLANETOCENTRIC CONIC

C3 16.611 VHL 4.076 DLA -21.06 RAL 161.52 RAD 6567.7 VEL 11.747 PTH 2.07 VHP 7.043 DPA 12.54 RAP 176.59 ECC 1.2734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 16 1447.67 3.45 356.98 20.70 118.12 9 45 23 847.7 7.19 350.29
 90.00 15 15 26 5538.34 28.31 257.67 27.26 90.64 16 47 44 4938.3 28.10 249.01
 100.00 10 28 25 1230.94 2.08 340.29 19.94 119.83 10 48 56 630.9 6.04 333.74
 100.00 16 50 58 5230.30 29.87 235.00 27.26 88.90 18 18 8 4630.3 29.40 226.23
 110.00 11 6 41 1111.01 -1.23 329.13 17.87 124.16 11 25 12 511.0 3.26 322.93
 110.00 18 29 11 4923.00 33.78 211.40 26.99 84.41 19 51 14 4323.0 32.63 202.35

DIFFERENTIAL CORRECTIONS

TDE .8031 TRA-1.0771 TC3 .6052-BAU .1548
 RDE -.1010 RRA -.1429 RC3 .3463 FAU .04274
 FDE-1.5585 FRA 1.2465 FC3-2.2277 BSP 6598
 BDE .8095 BRA 1.0866 BC3 .6973 FSP -842

MID-COURSE EXECUTION ACCURACY

SGT 2037.4 SGR 382.3 SG3 294.6
 RRT .4214 RRF -.4648 RTF -.9237
 SGB 2073.0 R23 -.0706 R13 -.9248
 SG1 2043.9 SG2 345.6 THA 4.65

ORBIT DETERMINATION ACCURACY

ST 1229.6 SR 156.1 SS 1376.8
 CRT -.6703 CRS -.7758 CST .9879
 LSA 1844.0 MSA 177.4 SSA 15.1
 EL1 1234.1 EL2 115.5 ALF 175.09

LAUNCH DATE MAY 20 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 309.348

RL 151.37 LAL -.00 LOL 238.31 VL 26.314 GAL 3.71 AZL 94.09 HCA 129.40 SMA 125.08 ECC .21953 INC 4.0916 V1 29.434
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.186 GAP -10.21 AZP 87.40 TAL 166.57 TAP 295.97 RCA 97.62 APO 152.54 V2 34.891
 RC 50.476 GL -28.08 GP 7.50 ZAL 70.08 ZAP 16.61 ETS 333.43 ZAE 149.25 ETE 33.99 ZAC 90.58 ETC 14.04 CLP -14.87

PLANETOCENTRIC CONIC

C3 15.845 VHL 3.981 DLA -22.15 RAL 160.21 RAD 6567.6 VEL 11.715 PTH 2.06 VHP 6.670 DPA 12.77 RAP 177.91 ECC 1.2608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 54 1386.88 5.39 353.57 19.20 117.84 9 53 1 786.9 9.08 346.83
 90.00 14 56 24 5577.61 28.25 260.54 25.53 92.08 16 29 21 4977.6 28.24 251.88
 100.00 10 35 21 1175.65 3.95 337.25 18.40 119.65 10 54 56 575.7 7.87 330.66
 100.00 16 33 38 5264.07 29.89 237.51 25.56 90.22 18 1 22 4664.1 29.60 228.72
 110.00 11 10 38 1065.02 .53 326.73 16.27 124.18 11 28 23 465.0 5.01 320.51
 110.00 18 14 50 4947.47 33.92 213.29 25.39 85.52 19 37 17 4347.5 32.93 204.20

DIFFERENTIAL CORRECTIONS

TDE .8229 TRA-1.0386 TC3 .6772 BAU .1642
 RDE -.0706 RRA -.1417 RC3 .3771 FAU .04629
 FDE-1.7273 FRA 1.2909 FC3-2.5292 BSP 6737
 BDE .8259 BRA 1.0482 BC3 .7751 FSP -941

MID-COURSE EXECUTION ACCURACY

SGT 2073.4 SGR 385.9 SG3 326.3
 RRT .4962 RRF -.5447 RTF -.9283
 SGB 2109.0 R23 -.0827 R13 -.9297
 SG1 2082.4 SG2 333.6 THA 5.42

ORBIT DETERMINATION ACCURACY

ST 1279.7 SR 121.5 SS 1474.5
 CRT -.5670 CRS -.6826 CST .9886
 LSA 1948.5 MSA 172.7 SSA 14.5
 EL1 1281.6 EL2 99.9 ALF 176.90

LAUNCH DATE MAY 20 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 316.027

RL 151.37 LAL -.00 LOL 238.31 VL 26.407 GAL 3.51 AZL 94.19 HCA 132.58 SMA 125.66 ECC .21321 INC 4.1942 V1 29.434
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.263 GAP -9.54 AZP 87.16 TAL 166.84 TAP 299.42 RCA 98.87 APO 152.45 V2 34.903
 RC 51.950 GL -29.62 GP 8.35 ZAL 71.02 ZAP 18.94 ETS 334.23 ZAE 148.14 ETE 33.47 ZAC 89.42 ETC 13.84 CLP -17.06

PLANETOCENTRIC CONIC

C3 15.216 VHL 3.901 DLA -23.27 RAL 158.86 RAD 6567.6 VEL 11.688 PTH 2.06 VHP 6.314 DPA 13.14 RAP 179.18 ECC 1.2504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 55 1322.88 7.42 349.95 17.82 117.41 10 1 58 722.9 11.03 343.14
 90.00 14 35 36 5623.31 28.09 263.88 23.84 93.75 16 9 19 5023.3 28.31 255.22
 100.00 10 43 13 1118.55 5.87 334.10 16.98 119.36 11 1 52 518.6 9.74 327.44
 100.00 16 14 59 5302.87 29.85 240.40 23.93 91.74 17 43 22 4702.9 29.77 231.59
 110.00 11 15 1 1018.86 2.29 324.32 14.77 124.12 11 32 0 418.9 6.75 318.08
 110.00 17 59 40 4975.33 34.05 215.46 23.87 86.79 19 22 36 4375.3 33.23 206.31

DIFFERENTIAL CORRECTIONS

TDE .8443 TRA -.9982 TC3 .7473 BAU .1735
 RDE -.0370 RRA -.1423 RC3 .4116 FAU .05029
 FDE-1.9228 FRA 1.3373 FC3-2.8614 BSP 6887
 BDE .8451 BRA 1.0083 BC3 .8532 FSP -1053

MID-COURSE EXECUTION ACCURACY

SGT 2103.6 SGR 397.3 SG3 361.8
 RRT .5779 RRF -.6310 RTF -.9329
 SGB 2140.8 R23 -.0968 R13 -.9347
 SG1 2116.4 SG2 322.3 THA 6.38

ORBIT DETERMINATION ACCURACY

ST 1329.5 SR 87.8 SS 1580.5
 CRT -.2963 CRS -.4291 CST .9894
 LSA 2060.3 MSA 168.2 SSA 13.9
 EL1 1329.8 EL2 83.9 ALF 178.87

LAUNCH DATE MAY 20 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 322.693

RL 151.37 LAL -.00 LOL 238.31 VL 26.492 GAL 3.32 AZL 94.31 HCA 135.76 SMA 126.19 ECC .20744 INC 4.3080 V1 29.434
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.333 GAP -8.90 AZP 86.91 TAL 167.12 TAP 302.88 RCA 100.02 APO 152.37 V2 34.914
 RC 53.515 GL -31.19 GP 9.35 ZAL 71.98 ZAP 21.44 ETS 334.70 ZAE 147.18 ETE 33.42 ZAC 88.35 ETC 13.64 CLP -19.38

PLANETOCENTRIC CONIC

C3 14.716 VHL 3.836 DLA -24.41 RAL 157.47 RAD 6567.6 VEL 11.666 PTH 2.05 VHP 5.977 DPA 13.70 RAP 180.40 ECC 1.2422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 2 1253.65 9.56 346.00 16.62 116.78 10 12 56 653.6 13.08 339.09
 90.00 14 12 24 5677.60 27.78 267.82 22.19 95.70 15 47 2 5077.6 28.28 259.19
 100.00 10 52 29 1058.53 7.86 330.75 15.71 118.93 11 10 7 458.5 11.66 324.03
 100.00 15 54 39 5347.95 29.71 243.74 22.37 93.49 17 23 47 4747.9 29.87 234.94
 110.00 11 20 1 972.15 4.07 321.88 13.38 123.97 11 36 13 372.2 8.50 315.60
 110.00 17 43 36 5007.09 34.14 217.93 22.45 88.26 19 7 3 4407.1 33.53 208.75

DIFFERENTIAL CORRECTIONS

TDE .8646 TRA -.9569 TC3 .8057 BAU .1816
 RDE .0009 RRA -.1450 RC3 .4507 FAU .05468
 FDE-2.1482 FRA 1.3852 FC3-3.2166 BSP 6988
 BDE .8646 BRA .9679 BC3 .9232 FSP -1178

MID-COURSE EXECUTION ACCURACY

SGT 2124.4 SGR 419.7 SG3 401.1
 RRT .6603 RRF -.7176 RTF -.9365
 SGB 2165.5 R23 -.1139 R13 -.9389
 SG1 2142.8 SG2 312.4 THA 7.59

ORBIT DETERMINATION ACCURACY

ST 1374.7 SR 72.1 SS 1694.4
 CRT .3582 CRS -.2269 CST .9901
 LSA 2176.9 MSA 164.6 SSA 13.1
 EL1 1374.9 EL2 67.3 ALF 1.08

LAUNCH DATE MAY 20 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 329.345

RL 151.37 LAL -.00 LOL 238.31 VL 26.568 GAL 3.14 AZL 94.44 HCA 138.94 SMA 126.68 ECC .20218 INC 4.4357 V1 29.434
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.399 GAP -8.27 AZP 86.65 TAL 167.40 TAP 306.35 RCA 101.07 APO 152.30 V2 34.926
 RC 55.163 GL -32.80 GP 10.54 ZAL 72.94 ZAP 24.14 ETS 334.91 ZAE 146.36 ETE 33.88 ZAC 87.36 ETC 13.43 CLP -21.84

PLANETOCENTRIC CONIC

C3 14.342 VHL 3.787 DLA -25.58 RAL 156.05 RAD 6567.6 VEL 11.650 PTH 2.05 VHP 5.659 DPA 14.48 RAP 181.59 ECC 1.2360
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 7 31 1175.32 11.93 341.46 15.63 115.87 10 27 6 575.3 15.31 334.42
 90.00 13 45 36 5744.52 27.24 272.64 20.57 98.06 15 21 21 5144.5 28.07 264.07
 100.00 11 3 46 993.71 9.97 327.10 14.62 118.33 11 20 19 393.7 13.68 320.28
 100.00 15 32 2 5401.37 29.42 247.69 20.87 95.55 17 2 4 4801.4 29.88 238.91
 110.00 11 25 53 924.30 5.89 319.37 12.13 123.73 11 41 17 324.3 10.28 313.03
 110.00 17 26 24 5043.54 34.18 220.78 21.14 89.94 18 50 28 4443.5 33.80 211.56

DIFFERENTIAL CORRECTIONS

TDE .8847 TRA -.9155 TC3 .8518 BAU .1890
 RDE .0450 RRA -.1500 RC3 .4955 FAU .05948
 FDE-2.4088 FRA 1.4355 FC3-3.5902 BSP 7058
 BDE .8859 BRA .9277 BC3 .9854 FSP -1315

MID-COURSE EXECUTION ACCURACY

SGT 2136.8 SGR 457.0 SG3 444.5
 RRT .7370 RRF -.7972 RTF -.9396
 SGB 2185.1 R23 -.1337 R13 -.9428
 SG1 2163.7 SG2 305.0 THA 9.14

ORBIT DETERMINATION ACCURACY

ST 1415.7 SR 102.2 SS 1817.1
 CRT .8708 CRS .7984 CST .9908
 LSA 2300.0 MSA 161.8 SSA 12.3
 EL1 1418.5 EL2 50.2 ALF 3.60

LAUNCH DATE MAY 20 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 335.983

RL 151.37 LAL -.00 LOL 238.31 VL 26.638 GAL 2.99 AZL 94.58 HCA 142.13 SMA 127.13 ECC .19742 INC 4.5808 V1 29.434
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.460 GAP -7.67 AZP 86.38 TAL 167.69 TAP 309.82 RCA 102.03 APO 152.23 V2 34.938
 RC 56.885 GL -34.46 GP 11.96 ZAL 73.90 ZAP 27.05 ETS 334.90 ZAE 145.63 ETE 34.88 ZAC 86.47 ETC 13.21 CLP -24.44

PLANETOCENTRIC CONIC

C3 14.097 VHL 3.755 DLA -26.79 RAL 154.61 RAD 6567.6 VEL 11.640 PTH 2.04 VHP 5.362 DPA 15.53 RAP 182.74 ECC 1.2320
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 29 21 1078.55 14.73 335.74 14.98 114.46 10 47 20 478.5 17.91 328.51
 90.00 13 12 13 5833.68 26.23 278.97 18.91 101.07 14 49 26 5233.7 27.49 270.53
 100.00 11 18 16 920.54 12.30 322.92 13.77 117.46 11 33 37 320.5 15.89 315.96
 100.00 15 5 59 5466.92 28.89 252.49 19.41 98.02 16 37 6 4866.9 29.70 243.78
 110.00 11 32 58 874.41 7.76 316.72 11.06 123.39 11 47 32 274.4 12.10 310.32
 110.00 17 7 47 5085.81 34.14 224.08 19.94 91.89 18 32 32 4485.8 34.02 214.84

DIFFERENTIAL CORRECTIONS

TDE .9038 TRA -.8734 TC3 .8808 BAU .1954
 RDE .0975 RRA -.1578 RC3 .5473 FAU .06465
 FDE-2.7092 FRA 1.4863 FC3-3.9701 BSP 7107
 BDE .9091 BRA .8875 BC3 1.0370 FSP -1467

MID-COURSE EXECUTION ACCURACY

SGT 2137.6 SGR 513.7 SG3 492.1
 RRT .8014 RRF -.8635 RTF -.9420
 SGB 2198.4 R23 -.1558 R13 -.9466
 SG1 2177.6 SG2 301.6 THA 11.12

ORBIT DETERMINATION ACCURACY

ST 1450.3 SR 169.9 SS 1948.0
 CRT .9814 CRS .9494 CST .9913
 LSA 2429.2 MSA 159.6 SSA 11.4
 EL1 1459.9 EL2 32.4 ALF 6.56

LAUNCH DATE MAY 20 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 342.605

RL 151.37 LAL -.00 LOL 238.31 VL 26.700 GAL 2.84 AZL 94.75 HCA 145.32 SMA 127.54 ECC .19312 INC 4.7485 V1 29.434
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.516 GAP -7.08 AZP 86.09 TAL 167.96 TAP 313.28 RCA 102.91 APO 152.17 V2 34.951
 RC 58.673 GL -36.18 GP 13.67 ZAL 74.85 ZAP 30.22 ETS 334.70 ZAE 144.96 ETE 36.49 ZAC 85.67 ETC 12.98 CLP -27.22

PLANETOCENTRIC CONIC

C3 13.986 VHL 3.740 DLA -28.07 RAL 153.13 RAD 6567.6 VEL 11.635 PTH 2.04 VHP 5.087 DPA 16.91 RAP 183.88 ECC 1.2302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 11 48 917.83 19.01 325.88 15.09 111.39 11 27 6 317.8 21.75 318.28
 90.00 12 18 0 702.87 23.72 311.89 16.80 105.94 12 29 43 102.9 25.68 303.77
 100.00 11 38 41 830.85 15.06 317.69 13.28 116.13 11 52 32 230.8 18.45 310.54
 100.00 14 33 48 5553.13 27.91 258.71 17.92 101.16 16 6 21 4953.1 29.17 250.13
 110.00 11 41 49 821.04 9.75 313.87 10.20 122.93 11 55 30 221.0 14.02 307.37
 110.00 16 47 10 5135.70 33.96 227.97 18.87 94.19 18 12 46 4535.7 34.16 218.73

DIFFERENTIAL CORRECTIONS

TDE .9239 TRA -.8275 TC3 .8975 BAU .2028
 RDE .1622 RRA -.1684 RC3 .6085 FAU .07031
 FDE-3.0581 FRA 1.5300 FC3-4.3522 BSP 7179
 BDE .9381 BRA .8445 BC3 1.0843 FSP -1638

MID-COURSE EXECUTION ACCURACY

SGT 2125.7 SGR 595.3 SG3 543.7
 RRT .8514 RRF -.9135 RTF -.9444
 SGB 2207.5 R23 -.1767 R13 -.9509
 SG1 2186.5 SG2 303.6 THA 13.68

ORBIT DETERMINATION ACCURACY

ST 1479.8 SR 263.9 SS 2089.0
 CRT .9983 CRS .9850 CST .9919
 LSA 2568.8 MSA 157.1 SSA 10.4
 EL1 1503.1 EL2 15.1 ALF 10.09

LAUNCH DATE MAY 20 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 349.210

RL 151.37 LAL -.00 LOL 238.31 VL 26.757 GAL 2.71 AZL 94.95 HCA 148.51 SMA 127.91 ECC .18926 INC 4.9457 V1 29.434
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.568 GAP -6.50 AZP 85.78 TAL 168.23 TAP 316.74 RCA 103.70 APO 152.11 V2 34.964
 RC 60.521 GL -37.97 GP 15.75 ZAL 75.78 ZAP 33.69 ETS 334.33 ZAE 144.25 ETE 38.81 ZAC 84.96 ETC 12.74 CLP -30.18

PLANETOCENTRIC CONIC

C3 14.024 VHL 3.745 OLA -29.42 RAL 151.63 RAD 6567.6 VEL 11.637 PTH 2.04 VHP 4.837 DPA 18.69 RAP 185.03 ECC 1.2308
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.68 10 30 29 1031.97 22.31 335.57 14.90 109.68 10 47 41 432.0 24.79 327.69
 98.32 12 47 19 5877.96 22.32 281.03 14.91 109.67 14 25 17 5278.0 24.80 273.15
 100.00 12 15 27 692.02 19.03 309.29 13.52 113.49 12 26 59 92.0 22.05 301.80
 100.00 13 45 2 5693.14 25.68 268.51 16.09 105.85 15 19 55 5093.1 27.61 260.24
 110.00 11 53 20 761.68 11.93 310.65 9.62 122.27 12 6 2 161.7 16.11 304.03
 110.00 16 23 38 5196.24 33.56 232.65 17.91 96.93 17 50 15 4596.2 34.15 223.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9398 TRA -.7832 TC3 .8861 BAU .2093 SGT 2097.7 SGR 707.4 SG3 597.8 ST 1496.1 SR 384.8 SS 2235.2
 ROE .2433 RRA -.1828 RC3 .6792 FAU .07603 RRT .8859 RRF -.9480 RTF -.9455 CRT .9993 CRS .9950 CST .9923
 FDE-3.4531 FRA 1.5705 FC3-4.6934 BSP 7201 SGB 2213.8 R23 -.1964 R13 -.9551 LSA 2712.6 MSA 155.9 SSA 9.4
 BOE .9708 BRA .8042 BC3 1.1165 FSP -1816 SG1 2191.4 SG2 314.2 THA 16.99 EL1 1544.8 EL2 13.9 ALF 14.42

LAUNCH DATE MAY 20 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 355.798

RL 151.37 LAL -.00 LOL 238.31 VL 26.807 GAL 2.60 AZL 95.18 HCA 151.70 SMA 128.24 ECC .18582 INC 5.1826 V1 29.434
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.615 GAP -5.94 AZP 85.43 TAL 168.48 TAP 320.18 RCA 104.41 APO 152.07 V2 34.977
 RC 62.420 GL -39.87 GP 18.30 ZAL 76.69 ZAP 37.51 ETS 333.83 ZAE 143.38 ETE 41.90 ZAC 84.34 ETC 12.49 CLP -33.34

PLANETOCENTRIC CONIC

C3 14.237 VHL 3.773 OLA -30.87 RAL 150.08 RAD 6567.6 VEL 11.646 PTH 2.04 VHP 4.617 DPA 20.98 RAP 186.23 ECC 1.2343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.16 9 50 15 1143.81 23.29 344.30 14.01 110.86 10 9 19 543.8 25.91 336.40
 102.84 13 15 12 5772.78 23.30 273.58 14.01 110.85 14 51 25 5172.8 25.92 265.69
 77.16 9 50 15 1143.81 23.29 344.30 14.01 110.86 10 9 19 543.8 25.91 336.40
 102.84 13 15 12 5772.78 23.30 273.58 14.01 110.85 14 51 25 5172.8 25.92 265.69
 110.00 12 9 18 691.36 14.45 306.77 9.44 121.32 12 20 49 91.4 18.49 299.98
 110.00 15 55 20 5273.23 32.77 238.52 17.00 100.32 17 23 13 4673.2 33.85 229.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9553 TRA -.7362 TC3 .8532 BAU .2176 SGT 2053.1 SGR 857.8 SG3 653.0 ST 1502.5 SR 539.8 SS 2388.1
 ROE .3483 RRA -.2009 RC3 .7611 FAU .08173 RRT .9084 RRF -.9701 RTF -.9462 CRT .9978 CRS .9983 CST .9926
 FDE-3.9018 FRA 1.5939 FC3-4.9695 BSP 7255 SGB 2225.1 R23 -.2080 R13 -.9602 LSA 2868.4 MSA 154.7 SSA 8.4
 BOE 1.0169 BRA .7631 BC3 1.1434 FSP -2003 SG1 2199.8 SG2 334.8 THA 21.30 EL1 1596.2 EL2 34.0 ALF 19.73

LAUNCH DATE MAY 20 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 362.368

RL 151.37 LAL -.00 LOL 238.31 VL 26.851 GAL 2.50 AZL 95.47 HCA 154.90 SMA 128.53 ECC .18277 INC 5.4745 V1 29.434
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.659 GAP -5.40 AZP 85.04 TAL 168.70 TAP 323.60 RCA 105.04 APO 152.03 V2 34.990
 RC 64.367 GL -41.92 GP 21.47 ZAL 77.58 ZAP 41.75 ETS 333.20 ZAE 142.16 ETE 45.82 ZAC 83.80 ETC 12.22 CLP -36.71

PLANETOCENTRIC CONIC

C3 14.675 VHL 3.831 OLA -32.47 RAL 148.47 RAD 6567.6 VEL 11.664 PTH 2.05 VHP 4.436 DPA 23.89 RAP 187.58 ECC 1.2415
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.41 9 18 2 1231.36 24.26 351.35 13.35 112.27 9 38 33 631.4 27.06 343.45
 106.59 13 34 33 5698.65 24.27 268.39 13.36 112.26 15 9 32 5098.6 27.07 260.49
 73.41 9 18 2 1231.36 24.26 351.35 13.35 112.27 9 38 33 631.4 27.06 343.45
 106.59 13 34 33 5698.65 24.27 268.39 13.36 112.26 15 9 32 5098.6 27.07 260.49
 110.00 12 34 15 5885.01 17.72 279.31 9.94 119.72 14 12 20 5285.0 21.54 272.26
 110.00 15 17 31 5381.04 31.17 246.51 15.97 104.80 16 47 12 4781.0 32.89 237.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9656 TRA -.6909 TC3 .7860 BAU .2273 SGT 1987.2 SGR 1054.9 SG3 704.3 ST 1490.4 SR 738.1 SS 2538.5
 ROE .4868 RRA -.2237 RC3 .8513 FAU .08655 RRT .9207 RRF -.9834 RTF -.9451 CRT .9961 CRS .9994 CST .9927
 FDE-4.3909 FRA 1.5979 FC3-5.1057 BSP 7277 SGB 2249.8 R23 -.2098 R13 -.9661 LSA 3030.8 MSA 154.8 SSA 7.4
 BOE 1.0814 BRA .7262 BC3 1.1587 FSP -2171 SG1 2219.4 SG2 368.6 THA 26.85 EL1 1662.1 EL2 58.4 ALF 26.29

LAUNCH DATE MAY 20 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 368.920

RL 151.37 LAL -.00 LOL 238.31 VL 26.890 GAL 2.41 AZL 95.85 HCA 158.09 SMA 128.80 ECC .18010 INC 5.8456 V1 29.434
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.699 GAP -4.87 AZP 84.57 TAL 168.90 TAP 327.00 RCA 105.60 APO 151.99 V2 35.003
 RC 66.356 GL -44.17 GP 25.44 ZAL 78.47 ZAP 46.49 ETS 332.49 ZAE 140.29 ETE 50.57 ZAC 83.28 ETC 11.93 CLP -40.32

PLANETOCENTRIC CONIC

C3 15.423 VHL 3.927 OLA -34.26 RAL 146.75 RAD 6567.6 VEL 11.696 PTH 2.06 VHP 4.305 DPA 27.61 RAP 189.20 ECC 1.2538
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.86 8 48 56 1310.90 25.22 357.95 12.99 114.00 9 10 47 710.9 28.24 350.07
 110.14 13 49 56 5641.36 25.23 264.41 13.00 113.99 15 23 57 5041.4 28.25 256.52
 69.86 8 48 56 1310.90 25.22 357.95 12.99 114.00 9 10 47 710.9 28.24 350.07
 110.14 13 49 56 5641.36 25.23 264.41 13.00 113.99 15 23 57 5041.4 28.25 256.52
 69.86 8 48 56 1310.90 25.22 357.95 12.99 114.00 9 10 47 710.9 28.24 350.07
 110.14 13 49 56 5641.36 25.23 264.41 13.00 113.99 15 23 57 5041.4 28.25 256.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9746 TRA -.6451 TC3 .6915 BAU .2415 SGT 1900.9 SGR 1310.6 SG3 745.7 ST 1462.5 SR 994.2 SS 2681.0
 ROE .6752 RRA -.2507 RC3 .9454 FAU .08969 RRT .9264 RRF -.9909 RTF -.9428 CRT .9948 CRS .9998 CST .9927
 FDE-4.9066 FRA 1.5628 FC3-5.0349 BSP 7417 SGB 2308.9 R23 -.1958 R13 -.9736 LSA 3207.9 MSA 155.1 SSA 6.4
 BOE 1.1856 BRA .6921 BC3 1.1713 FSP -2312 SG1 2271.7 SG2 412.9 THA 33.84 EL1 1766.4 EL2 84.1 ALF 34.16

LAUNCH DATE MAY 20 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 375.451

RL 151.37 LAL -0.00 LOL 238.31 VL 26.924 GAL 2.34 AZL 96.34 HCA 161.29 SMA 129.03 ECC .17778 INC 6.3369 V1 29.434
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.736 GAP -4.35 AZP 84.00 TAL 169.07 TAP 330.36 RCA 106.09 APO 151.97 V2 35.016
 RC 68.382 GL -46.71 GP 30.48 ZAL 79.38 ZAP 51.80 ETS 331.76 ZAE 137.41 ETE 55.96 ZAC 82.73 ETC 11.62 CLP -44.14

PLANETOCENTRIC CONIC

C3 16.643 VHL 4.080 DLA -36.31 RAL 144.85 RAD 6567.7 VEL 11.748 PTH 2.07 VHP 4.249 DPA 32.31 RAP 191.37 ECC 1.2739
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.26 8 20 54 1389.69 26.11 4.65 13.00 116.18 8 44 4 789.7 29.40 356.83
 113.74 14 2 48 5597.19 26.12 261.37 13.00 116.17 15 36 5 4997.2 29.41 253.55
 66.26 8 20 54 1389.69 26.11 4.65 13.00 116.18 8 44 4 789.7 29.40 356.83
 113.74 14 2 48 5597.19 26.12 261.37 13.00 116.17 15 36 5 4997.2 29.41 253.55
 66.26 8 20 54 1389.69 26.11 4.65 13.00 116.18 8 44 4 789.7 29.40 356.83
 113.74 14 2 48 5597.19 26.12 261.37 13.00 116.17 15 36 5 4997.2 29.41 253.55

DIFFERENTIAL CORRECTIONS

TDE .9877 TRA -.5956 TC3 .5814 BAU .2644
 RDE .9401 RRA -.2780 RC3 1.0365 FAU .09032
 FDE -5.4143 FRA 1.4530 FC3 -4.6982 BSP 7833
 BDE 1.3636 BRA .6573 BC3 1.1885 FSP -2408

MID-COURSE EXECUTION ACCURACY

SGT 1796.4 SGR 1641.2 SG3 767.6
 RRT .9280 RRF -.9951 RTF -.9396
 SGB 2433.2 R23 -.1641 R13 -.9825
 SG1 2389.4 SG2 459.8 THA 42.21

ORBIT DETERMINATION ACCURACY

ST 1421.8 SR 1328.6 SS 2805.5
 CRT .9938 CRS .9999 CST .9926
 LSA 3410.8 MSA 154.8 SSA 5.4
 EL1 1942.9 EL2 108.2 ALF 43.05

LAUNCH DATE MAY 20 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 381.963

RL 151.37 LAL -0.00 LOL 238.31 VL 26.954 GAL 2.28 AZL 97.02 HCA 164.49 SMA 129.23 ECC .17579 INC 7.0227 V1 29.434
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.769 GAP -3.85 AZP 83.23 TAL 169.20 TAP 333.69 RCA 106.51 APO 151.94 V2 35.029
 RC 70.443 GL -49.65 GP 36.92 ZAL 80.33 ZAP 57.76 ETS 331.08 ZAE 133.00 ETE 61.66 ZAC 82.04 ETC 11.21 CLP -48.15

PLANETOCENTRIC CONIC

C3 18.669 VHL 4.321 DLA -38.71 RAL 142.65 RAD 6567.8 VEL 11.834 PTH 2.10 VHP 4.310 DPA 38.24 RAP 194.57 ECC 1.3072
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.42 7 52 31 1473.67 26.83 11.93 13.50 119.02 8 17 5 873.7 30.48 4.23
 117.58 14 13 39 5566.55 26.84 259.29 13.51 119.01 15 46 25 4966.6 30.49 251.59
 62.42 7 52 31 1473.67 26.83 11.93 13.50 119.02 8 17 5 873.7 30.48 4.23
 117.58 14 13 39 5566.55 26.84 259.29 13.51 119.01 15 46 25 4966.6 30.49 251.59
 62.42 7 52 31 1473.67 26.83 11.93 13.50 119.02 8 17 5 873.7 30.48 4.23
 117.58 14 13 39 5566.55 26.84 259.29 13.51 119.01 15 46 25 4966.6 30.49 251.59

DIFFERENTIAL CORRECTIONS

TDE 1.0046 TRA -.5508 TC3 .4437 BAU .2940
 RDE 1.3205 RRA -.3032 RC3 1.0911 FAU .08537
 FDE -5.8047 FRA 1.2610 FC3 -3.9591 BSP 8498
 BDE 1.6592 BRA .6288 BC3 1.1779 FSP -2370

MID-COURSE EXECUTION ACCURACY

SGT 1672.7 SGR 2054.4 SG3 751.0
 RRT .9244 RRF -.9973 RTF -.9335
 SGB 2649.3 R23 -.1228 R13 -.9902
 SG1 2600.9 SG2 504.1 THA 51.31

ORBIT DETERMINATION ACCURACY

ST 1361.5 SR 1758.1 SS 2876.3
 CRT .9928 CRS 1.0000 CST .9923
 LSA 3632.3 MSA 155.5 SSA 4.5
 EL1 2219.9 EL2 129.0 ALF 52.29

LAUNCH DATE MAY 20 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 388.452

RL 151.37 LAL -0.00 LOL 238.31 VL 26.979 GAL 2.23 AZL 98.06 HCA 167.69 SMA 129.40 ECC .17412 INC 8.0553 V1 29.434
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.799 GAP -3.36 AZP 82.13 TAL 169.29 TAP 336.98 RCA 106.87 APO 151.93 V2 35.042
 RC 72.534 GL -53.17 GP 45.19 ZAL 81.40 ZAP 64.43 ETS 330.54 ZAE 126.48 ETE 67.09 ZAC 81.04 ETC 10.53 CLP -52.23

PLANETOCENTRIC CONIC

C3 22.275 VHL 4.720 DLA -41.58 RAL 139.94 RAD 6567.9 VEL 11.986 PTH 2.14 VHP 4.582 DPA 45.54 RAP 199.88 ECC 1.3666
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.18 7 22 22 1570.26 27.09 20.30 14.72 122.84 7 48 32 970.3 31.20 12.86
 121.82 14 22 9 5554.30 27.10 258.43 14.73 122.83 15 54 43 4954.3 31.21 250.99
 58.18 7 22 22 1570.26 27.09 20.30 14.72 122.84 7 48 32 970.3 31.20 12.86
 121.82 14 22 9 5554.30 27.10 258.43 14.73 122.83 15 54 43 4954.3 31.21 250.99
 58.18 7 22 22 1570.26 27.09 20.30 14.72 122.84 7 48 32 970.3 31.20 12.86
 121.82 14 22 9 5554.30 27.10 258.43 14.73 122.83 15 54 43 4954.3 31.21 250.99

DIFFERENTIAL CORRECTIONS

TDE 1.0558 TRA -.5061 TC3 .3105 BAU .3338
 RDE 1.8968 RRA -.3040 RC3 1.0770 FAU .07376
 FDE -5.9457 FRA .9359 FC3 -2.8666 BSP 9799
 BDE 2.1708 BRA .5904 BC3 1.1209 FSP -2188

MID-COURSE EXECUTION ACCURACY

SGT 1550.2 SGR 2565.0 SG3 678.8
 RRT .9191 RRF -.9984 RTF -.9271
 SGB 2997.1 R23 -.0799 R13 -.9955
 SG1 2949.6 SG2 531.3 THA 59.87

ORBIT DETERMINATION ACCURACY

ST 1305.2 SR 2307.6 SS 2863.2
 CRT .9921 CR6 1.0000 CST .9920
 LSA 3899.0 MSA 155.3 SSA 3.7
 EL1 2647.3 EL2 142.8 ALF 60.61

LAUNCH DATE MAY 20 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 394.919

RL 151.37 LAL -0.00 LOL 238.31 VL 27.000 GAL 2.21 AZL 99.80 HCA 170.88 SMA 129.54 ECC .17275 INC 9.7988 V1 29.434
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.827 GAP -2.88 AZP 80.32 TAL 169.33 TAP 340.21 RCA 107.16 APO 151.92 V2 35.056
 RC 74.652 GL -57.47 GP 55.77 ZAL 82.69 ZAP 71.67 ETS 330.06 ZAE 117.25 ETE 71.37 ZAC 79.45 ETC 9.03 CLP -56.00

PLANETOCENTRIC CONIC

C3 29.663 VHL 5.446 DLA -45.02 RAL 136.35 RAD 6568.2 VEL 12.290 PTH 2.21 VHP 5.296 DPA 54.01 RAP 209.78 ECC 1.4882
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.41 6 48 50 1692.56 26.13 30.45 16.98 128.06 7 17 3 1092.6 30.88 23.54
 126.59 14 27 5 5573.45 26.14 259.38 16.99 128.06 15 59 58 4973.5 30.89 252.46
 53.41 6 48 50 1692.56 26.13 30.45 16.98 128.06 7 17 3 1092.6 30.88 23.54
 126.59 14 27 5 5573.45 26.14 259.38 16.99 128.06 15 59 58 4973.5 30.89 252.46
 53.41 6 48 50 1692.56 26.13 30.45 16.98 128.06 7 17 3 1092.6 30.88 23.54
 126.59 14 27 5 5573.45 26.14 259.38 16.99 128.06 15 59 58 4973.5 30.89 252.46

DIFFERENTIAL CORRECTIONS

TDE 1.1666 TRA -.5104 TC3 .1371 BAU .3424
 RDE 2.7701 RRA -.2912 RC3 .8524 FAU .04882
 FDE -5.4990 FRA .6047 FC3 -1.4248 BSP 10323
 BDE 3.0057 BRA .5876 BC3 .8634 FSP -1573

MID-COURSE EXECUTION ACCURACY

SGT 1451.0 SGR 3089.0 SG3 523.3
 RRT .9023 RRF -.9989 RTF -.9120
 SGB 3412.8 R23 -.0499 R13 -.9980
 SG1 3364.1 SG2 574.5 THA 66.30

ORBIT DETERMINATION ACCURACY

ST 1248.3 SR 2917.1 SS 2649.7
 CRT .9903 CRS 1.0000 CST .9906
 LSA 4130.6 MSA 164.1 SSA 2.9
 EL1 3169.0 EL2 159.4 ALF 66.97

LAUNCH DATE MAY 20 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 401.343

RL 151.37 LAL -.00 LOL 238.31 VL 27.017 GAL 2.19 AZL 103.40 HCA 174.06 SMA 129.66 ECC .17167 INC13.3958 V1 29.434
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.851 GAP -2.42 AZP 76.67 TAL 169.31 TAP 343.37 RCA 107.40 APO 151.92 V2 35.069
 RC 76.795 GL -62.59 GP 69.24 ZAL 84.40 ZAP 79.06 ETS 327.67 ZAE 104.65 ETE 71.84 ZAC 76.90 ETC 3.95 CLP -57.63

PLANETOCENTRIC CONIC

C3 49.640 VHL 7.046 DLA -48.90 RAL 131.31 RAD 6568.8 VEL 13.077 PTH 2.39 VHP 7.178 DPA 61.98 RAP 230.52 ECC 1.8169
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.31 6 10 40 1867.68 21.91 43.07 20.76 134.88 6 41 47 1267.7 27.43 37.11
 131.69 14 25 4 5657.62 21.92 263.30 20.77 134.87 15 59 22 5057.6 27.44 257.34
 48.31 6 10 40 1867.68 21.91 43.07 20.76 134.88 6 41 47 1267.7 27.43 37.11
 131.69 14 25 4 5657.62 21.92 263.30 20.77 134.87 15 59 22 5057.6 27.44 257.34
 48.31 6 10 40 1867.68 21.91 43.07 20.76 134.88 6 41 47 1267.7 27.43 37.11
 131.69 14 25 4 5657.62 21.92 263.30 20.77 134.87 15 59 22 5057.6 27.44 257.34

DIFFERENTIAL CORRECTIONS

TDE 1.8228 TRA -.5285 TC3 .0609 BAU .3074
 RDE 4.3117 RRA -.0933 RC3 .4592 FAU .02148
 FDE -4.4808 FRA .1792 FC3 -.3746 BSP 11989
 BDE 4.6811 BRA .5367 BC3 .4632 FSP -955

MID-COURSE EXECUTION ACCURACY

SGT 1622.4 SGR 3567.4 SG3 318.7
 RRT .9207 RRF -.9989 RTF -.9344
 SGB 3919.0 R23 -.0268 R13 -.9992
 SG1 3875.4 SG2 583.0 THA 66.72

ORBIT DETERMINATION ACCURACY

ST 1495.2 SR 3506.6 SS 2260.2
 CRT .9926 CRS 1.0000 CST .9936
 LSA 4428.5 MSA 168.4 SSA 1.9
 EL1 3808.4 EL2 167.2 ALF 67.01

LAUNCH DATE MAY 20 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 407.662

RL 151.37 LAL -.00 LOL 238.31 VL 27.031 GAL 2.21 AZL 115.00 HCA 177.17 SMA 129.75 ECC .17091 INC25.0023 V1 29.434
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.873 GAP -1.98 AZP 65.02 TAL 169.17 TAP 346.34 RCA 107.58 APO 151.93 V2 35.082
 RC 78.958 GL -66.34 GP 85.60 ZAL 86.80 ZAP 85.61 ETS 227.53 ZAE 86.36 ETE 332.50 ZAC 72.10 ETC 257.91 CLP -3.31

PLANETOCENTRIC CONIC

C3 155.347 VHL 12.464 DLA -50.91 RAL 125.65 RAD 6570.7 VEL 16.634 PTH 2.89 VHP 14.098 DPA 62.27 RAP 271.30 ECC 3.5566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.74 5 39 44 2138.06 9.77 56.53 27.60 140.23 6 15 22 1538.1 15.87 51.64
 134.26 14 10 47 600.47 9.78 294.86 27.61 140.23 14 20 48 .5 15.88 289.96
 45.74 5 39 44 2138.06 9.77 56.53 27.60 140.23 6 15 22 1538.1 15.87 51.64
 134.26 14 10 47 600.47 9.78 294.86 27.61 140.23 14 20 48 .5 15.88 289.96
 45.74 5 39 44 2138.06 9.77 56.53 27.60 140.23 6 15 22 1538.1 15.87 51.64
 134.26 14 10 47 600.47 9.78 294.86 27.61 140.23 14 20 48 .5 15.88 289.96

DIFFERENTIAL CORRECTIONS

TDE 9.1459 TRA .5441 TC3 -.0744 BAU .1839
 RDE -1.2862 RRA .6609 RC3 .0480 FAU .00663
 FDE -3.2613 FRA -.0533 FC3 .0370 BSP 13009
 BDE 9.2359 BRA .8560 BC3 .0886 FSP -382

MID-COURSE EXECUTION ACCURACY

SGT 4227.1 SGR 772.1 SG3 129.8
 RRT -.7099 RRF .7575 RTF -.9975
 SGB 4297.0 R23 -.0534 R13 .9986
 SG1 4263.0 SG2 539.2 THA 172.49

ORBIT DETERMINATION ACCURACY

ST 4206.0 SR 608.7 SS 1826.2
 CRT -.9643 CRS -.9695 CST .9998
 LSA 4622.8 MSA 161.7 SSA .5
 EL1 4246.8 EL2 159.7 ALF 172.04

LAUNCH DATE MAY 20 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 415.027

RL 151.37 LAL -.00 LOL 238.31 VL 27.041 GAL 2.04 AZL 32.25 HCA 181.20 SMA 129.82 ECC .16968 INC57.7441 V1 29.434
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.892 GAP -1.29 AZP 147.74 TAL 169.91 TAP 351.11 RCA 107.79 APO 151.85 V2 35.094
 RC 81.139 GL 56.68 GP -63.21 ZAL 88.70 ZAP 89.04 ETS 175.25 ZAE 68.91 ETE 70.93 ZAC 90.58 ETC 145.48 CLP 87.86

PLANETOCENTRIC CONIC

C3 747.991 VHL 27.349 DLA 60.89 RAL 190.14 RAD 6572.7 VEL 29.484 PTH 3.44 VHP 37.110 DPA -69.04 RAP 24.72 ECC13.3100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 33.54 21 21 14 5028.77 -.54 240.69 99.85 29.11 22 45 3 4428.8 -7.52 237.19
 146.46 7 3 49 3350.96 -.53 102.62 99.83 29.11 7 59 40 2751.0 -7.51 99.12
 33.54 21 21 14 5028.77 -.54 240.69 99.85 29.11 22 45 3 4428.8 -7.52 237.19
 146.46 7 3 49 3350.96 -.53 102.62 99.83 29.11 7 59 40 2751.0 -7.51 99.12
 33.54 21 21 14 5028.77 -.54 240.69 99.85 29.11 22 45 3 4428.8 -7.52 237.19
 146.46 7 3 49 3350.96 -.53 102.62 99.83 29.11 7 59 40 2751.0 -7.51 99.12

DIFFERENTIAL CORRECTIONS

TDE -4.4799 TRA -2.7045 TC3 -.1281 BAU 2.9474
 RDE -3.9388 RRA -7.9407 RC3 -.2654 FAU .04954
 FDE .8973 FRA 1.7069 FC3 .0573 BSP 8427
 BDE 5.9652 BRA 8.3886 BC3 .2947 FSP -151

MID-COURSE EXECUTION ACCURACY

SGT 1651.8 SGR 3805.6 SG3 70.9
 RRT .9186 RRF -.9999 RTF -.9235
 SGB 4148.7 R23 -.0478 R13 -.9989
 SG1 4104.3 SG2 605.1 THA 67.75

ORBIT DETERMINATION ACCURACY

ST 1001.7 SR 1317.3 SS 929.6
 CRT .8593 CRS .9996 CST .8735
 LSA 1846.2 MSA 440.8 SSA .3
 EL1 1600.2 EL2 421.8 ALF 53.94

LAUNCH DATE MAY 20 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 420.889

RL 151.37 LAL -.00 LOL 238.31 VL 27.048 GAL 2.16 AZL 77.78 HCA 183.95 SMA 129.87 ECC .16968 INC12.2187 V1 29.434
 RP 107.94 LAP -.83 LOP 62.17 VP 37.909 GAP -.98 AZP 102.19 TAL 169.31 TAP 353.25 RCA 107.84 APO 151.91 V2 35.107
 RC 83.336 GL 61.63 GP -81.66 ZAL 84.04 ZAP 87.62 ETS 15.77 ZAE 102.78 ETE 274.61 ZAC 105.03 ETC 354.86 CLP -73.37

PLANETOCENTRIC CONIC

C3 42.279 VHL 6.502 DLA 60.35 RAL 204.81 RAD 6568.6 VEL 12.792 PTH 2.33 VHP 10.226 DPA -61.83 RAP 114.94 ECC 1.6958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.20 22 21 22 4558.36 -27.79 225.09 97.36 34.00 23 37 20 3958.4 -34.31 220.10
 145.80 8 0 43 2886.37 -27.78 87.81 97.35 34.00 8 48 49 2286.4 -34.30 82.82
 34.20 22 21 22 4558.36 -27.79 225.09 97.36 34.00 23 37 20 3958.4 -34.31 220.10
 145.80 8 0 43 2886.37 -27.78 87.81 97.35 34.00 8 48 49 2286.4 -34.30 82.82
 34.20 22 21 22 4558.36 -27.79 225.09 97.36 34.00 23 37 20 3958.4 -34.31 220.10
 145.80 8 0 43 2886.37 -27.78 87.81 97.35 34.00 8 48 49 2286.4 -34.30 82.82

DIFFERENTIAL CORRECTIONS

TDE .6635 TRA .1546 TC3 -.0865 BAU .3734
 RDE .3157 RRA 2.4918 RC3 -.6550 FAU .01637
 FDE .0863 FRA 1.1920 FC3 -.3353 BSP 13469
 BDE .7348 BRA 2.4966 BC3 .6607 FSP -572

MID-COURSE EXECUTION ACCURACY

SGT 656.0 SGR 4527.5 SG3 187.4
 RRT .4985 RRF .9996 RTF .4767
 SGB 4574.7 R23 .0341 R13 .9993
 SG1 4539.4 SG2 567.2 THA 85.80

ORBIT DETERMINATION ACCURACY

ST 590.5 SR 1360.4 SS 566.8
 CRT .3395 CRS -.9962 CST -.2564
 LSA 1487.7 MSA 554.3 SSA .8
 EL1 1377.9 EL2 548.4 ALF 80.02

LAUNCH DATE MAY 20 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 427.202

RL 151.37 LAL -1.00 LOL 238.31 VL 27.053 GAL 2.21 AZL 84.75 HCA 187.10 SMA 129.90 ECC .16959 INC 5.2517 V1 29.434
 RP 107.91 LAP -1.65 LOP 65.39 VP 37.923 GAP -1.56 AZP 95.21 TAL 169.07 TAP 356.17 RCA 107.87 APO 151.93 V2 35.119
 RC 85.546 GL 43.50 GP -67.04 ZAL 78.82 ZAP 88.59 ETS 4.32 ZAE 117.02 ETE 263.94 ZAC 109.46 ETC 351.45 CLP -86.38

PLANETOCENTRIC CONIC

C3 12.923 VHL 3.595 DLA 45.40 RAL 187.22 RAD 6567.5 VEL 11.589 PTH 2.03 VHP 6.118 DPA -49.60 RAP 129.99 ECC 1.12127
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.91 22 8 2 4145.35 -34.05 188.23 55.43 57.95 23 17 7 3545.3 -38.00 180.04
 127.09 5 53 45 2729.02 -34.04 78.37 55.42 57.93 6 39 14 2129.0 -37.99 70.18
 52.91 22 8 2 4145.35 -34.05 188.23 55.43 57.95 23 17 7 3545.3 -38.00 180.04
 127.09 5 53 45 2729.02 -34.04 78.37 55.42 57.93 6 39 14 2129.0 -37.99 70.18
 52.91 22 8 2 4145.35 -34.05 188.23 55.43 57.95 23 17 7 3545.3 -38.00 180.04
 127.09 5 53 45 2729.02 -34.04 78.37 55.42 57.93 6 39 14 2129.0 -37.99 70.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3889 TRA .3025 TC3 -.9141 BAU .5143 SGT 1134.8 SGR 4188.8 SG3 414.3 ST 653.5 SR 1236.3 SS 723.1
 RDE .3715 RRA 1.5914 RC3-2.8331 FAU .05018 RRT .8806 RRF .9997 RTF .8768 CRT .7321 CRS -.9988 CST -.6972
 FDE .3730 FRA 1.8060 FC3-3.3619 BSP 13426 SGB 4339.8 R23 .0368 R13 .9990 LSA 1515.1 MSA 427.6 SSA 2.0
 BDE .5379 BRA 1.6199 BC3 2.9769 FSP -1323 SG1 4308.2 SG2 522.7 THA 76.38 EL1 1336.4 EL2 411.9 ALF 66.48

LAUNCH DATE MAY 20 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 433.542

RL 151.37 LAL -1.00 LOL 238.31 VL 27.054 GAL 2.26 AZL 87.43 HCA 190.30 SMA 129.91 ECC .16970 INC 2.5735 V1 29.434
 RP 107.87 LAP -1.46 LOP 68.60 VP 37.936 GAP -1.13 AZP 92.53 TAL 168.82 TAP 359.12 RCA 107.87 APO 151.96 V2 35.131
 RC 87.767 GL 25.63 GP -56.22 ZAL 75.12 ZAP 91.54 ETS 358.73 ZAE 126.98 ETE 256.99 ZAC 112.64 ETC 352.72 CLP -92.77

PLANETOCENTRIC CONIC

C3 7.880 VHL 2.807 DLA 29.37 RAL 177.11 RAD 6567.3 VEL 11.370 PTH 1.96 VHP 4.689 DPA -39.52 RAP 135.92 ECC 1.1297
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.85 0 15 33 3554.73 -24.75 136.43 32.15 73.65 1 14 48 2954.7 -26.75 128.24
 98.15 2 29 29 3122.01 -24.74 104.66 32.14 73.64 3 21 31 2522.0 -26.75 96.48
 100.00 3 30 36 2926.25 -27.68 90.98 32.96 78.24 4 19 22 2326.2 -29.02 82.43
 100.00 1 57 7 3225.72 -21.88 111.29 31.09 69.10 2 50 53 2625.7 -24.52 103.49
 110.00 6 7 51 2433.64 -34.15 54.49 33.84 88.48 6 48 24 1833.6 -33.99 45.25
 110.00 1 36 22 3291.09 -16.01 113.22 28.10 59.38 2 31 13 2691.1 -19.95 106.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2055 TRA .3535 TC3-2.1330 BAU .5103 SGT 1515.0 SGR 3775.2 SG3 664.5 ST 488.8 SR 882.1 SS 706.5
 RDE .0838 RRA 1.2272 RC3-4.3489 FAU .08246 RRT .9398 RRF .9995 RTF .9381 CRT .6692 CRS -.9945 CST -.5880
 FDE .0772 FRA 2.4622 FC3-9.0601 BSP 12486 SGB 4067.8 R23 .0494 R13 .9983 LSA 1175.8 MSA 365.8 SSA 3.9
 BDE .2220 BRA 1.2770 BC3 4.8438 FSP -2109 SG1 4038.9 SG2 484.0 THA 69.02 EL1 950.5 EL2 337.1 ALF 66.53

LAUNCH DATE MAY 20 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 439.876

RL 151.37 LAL -1.00 LOL 238.31 VL 27.053 GAL 2.32 AZL 88.84 HCA 193.51 SMA 129.91 ECC .17000 INC 1.1567 V1 29.434
 RP 107.83 LAP -1.27 LOP 71.82 VP 37.946 GAP -1.30 AZP 91.12 TAL 168.53 TAP 2.04 RCA 107.82 APO 151.99 V2 35.143
 RC 89.996 GL 12.22 GP -47.69 ZAL 73.10 ZAP 95.71 ETS 354.77 ZAE 134.05 ETE 249.32 ZAC 115.27 ETC 354.47 CLP -98.49

PLANETOCENTRIC CONIC

C3 6.651 VHL 2.579 DLA 16.90 RAL 171.68 RAD 6567.2 VEL 11.316 PTH 1.95 VHP 4.034 DPA -31.16 RAP 138.71 ECC 1.1095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 42 57 2541.33 -25.92 63.27 21.79 101.81 5 25 18 1941.3 -24.03 55.11
 90.00 21 14 50 4074.94 -3.99 165.00 18.57 61.94 22 22 45 3474.9 -7.71 158.29
 100.00 6 13 56 2247.92 -26.86 41.45 21.55 103.63 6 51 24 1647.9 -24.72 33.31
 100.00 22 26 32 3843.58 -3.15 147.52 18.10 60.26 23 30 35 3243.6 -7.08 140.95
 110.00 7 43 27 1967.84 -29.28 19.39 20.76 108.48 8 16 15 1367.8 -26.48 11.33
 110.00 23 13 30 3696.43 -1.01 135.03 16.77 55.83 24 15 6 3096.4 -5.49 128.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0337 TRA .4152 TC3-3.1984 BAU .4993 SGT 1912.2 SGR 3332.8 SG3 877.2 ST 302.8 SR 760.9 SS 849.3
 RDE -.1368 RRA .9960 RC3-4.6151 FAU .10941 RRT .9625 RRF .9993 RTF .9615 CRT .7873 CRS -.9906 CST -.6961
 FDE -.5719 FRA 2.9683 FC-14.2417 BSP 11861 SGB 3842.4 R23 .0674 R13 .9970 LSA 1160.0 MSA 214.7 SSA 8.5
 BDE .1409 BRA 1.0791 BC3 5.6150 FSP -2818 SG1 3815.5 SG2 453.3 THA 60.64 EL1 799.4 EL2 177.7 ALF 71.66

LAUNCH DATE MAY 20 1967

FLIGHT TIME 164.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 446.197

RL 151.37 LAL -1.00 LOL 238.31 VL 27.050 GAL 2.40 AZL 89.72 HCA 196.73 SMA 129.88 ECC .17049 INC .2755 V1 29.434
 RP 107.80 LAP -1.08 LOP 75.05 VP 37.954 GAP -1.72 AZP 90.26 TAL 168.20 TAP 4.93 RCA 107.74 APO 152.03 V2 35.154
 RC 92.232 GL 2.95 GP -40.83 ZAL 71.96 ZAP 100.47 ETS 351.94 ZAE 138.73 ETE 240.81 ZAC 117.51 ETC 356.32 CLP -103.89

PLANETOCENTRIC CONIC

C3 6.421 VHL 2.534 DLA 8.09 RAL 168.62 RAD 6567.2 VEL 11.305 PTH 1.94 VHP 3.703 DPA -24.23 RAP 140.05 ECC 1.1057
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 38 2233.64 -20.03 42.69 15.89 110.45 6 23 51 1633.6 -17.06 35.27
 90.00 19 46 43 4370.53 5.52 181.52 14.24 62.18 20 59 34 3770.5 1.75 174.86
 100.00 7 11 53 1958.68 -20.77 22.16 15.58 112.00 7 44 31 1358.7 -17.60 14.80
 100.00 21 4 9 4120.72 6.22 162.77 13.86 60.70 22 12 50 3520.7 2.26 156.21
 110.00 8 29 3 1717.20 -22.74 2.88 14.63 116.24 8 57 40 1117.2 -19.02 355.71
 110.00 22 3 29 3934.97 8.06 147.55 12.73 56.67 23 9 4 3335.0 3.62 141.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1303 TRA .4887 TC3-3.9575 BAU .4937 SGT 2314.1 SGR 2906.1 SG3 1029.6 ST 450.0 SR 811.5 SS 1176.5
 RDE -.2527 RRA .8359 RC3-4.1736 FAU .12756 RRT .9727 RRF .9988 RTF .9723 CRT .9965 CRS -.9933 CST -.9823
 FDE -1.2705 FRA 3.3280 FC-17.1996 BSP 11382 SGB 3714.9 R23 .0870 R13 .9950 LSA 1495.0 MSA 99.6 SSA 17.4
 BDE .2843 BRA .9683 BC3 5.7516 FSP -3309 SG1 3690.7 SG2 422.8 THA 51.64 EL1 927.4 EL2 32.9 ALF 61.03

LAUNCH DATE MAY 20 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 452.502

RL 151.37 LAL -.00 LOL 238.31 VL 27.045 GAL 2.48 AZL 90.33 HCA 199.96 SMA 129.85 ECC .17118 INC .3266 V1 29.434
 RP 107.77 LAP .11 LOP 78.27 VP 37.960 GAP 1.14 AZP 89.69 TAL 167.83 TAP 7.78 RCA 107.62 APO 152.07 V2 35.165
 RC 94.474 GL -3.46 GP -35.25 ZAL 71.16 ZAP 105.43 ETS 349.93 ZAE 141.43 ETE 231.99 ZAC 119.37 ETC 358.17 CLP-109.01*

PLANETOCENTRIC CONIC

C3 6.528 VHL 2.555 DLA 1.87 RAL 166.87 RAD 6567.2 VEL 11.310 PTH 1.94 VHP 3.539 DPA -18.48 RAP 140.69 ECC 1.1074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 49 2040.88 -15.01 30.77 13.23 114.30 7 0 49 1440.9 -11.60 23.75
 90.00 18 52 34 4568.95 11.65 192.87 12.84 64.01 20 8 43 3969.0 8.06 186.03
 100.00 7 49 1 1775.70 -15.71 10.93 12.90 115.76 8 18 37 1175.7 -12.11 3.99
 100.00 20 13 3 4309.37 12.34 173.43 12.49 62.56 21 24 52 3709.4 8.57 166.67
 110.00 8 59 16 1555.84 -17.56 353.23 11.88 119.81 9 25 12 955.8 -13.46 346.51
 110.00 21 19 18 4101.99 14.16 156.63 11.43 58.56 22 27 40 3502.0 9.90 150.12

DIFFERENTIAL CORRECTIONS

TDE -.2913 TRA .5674 TC3-4.4927 BAU .5004
 RDE -.3045 RRA .7129 RC3-3.5638 FAU .13813
 FDE-1.9018 FRA 3.5365 FC-18.3201 BSP 11297
 BDE .4214 BRA .9111 BC3 5.7345 FSP -3626

MID-COURSE EXECUTION ACCURACY

SGT 2705.1 SGR 2518.1 SG3 1122.5
 RRT .9781 RRF .9981 RTF .9782
 SGB 3695.8 R23 .1026 R13 .9928
 SG1 3675.6 SG2 385.4 THA 42.90

ORBIT DETERMINATION ACCURACY

ST 759.8 SR 836.5 SS 1496.1
 CRT .9962 CRS -.9946 CST -.9992
 LSA 1873.3 MSA 75.5 SSA 22.0
 EL1 1129.0 EL2 48.9 ALF 47.76

LAUNCH DATE MAY 20 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 458.789

RL 151.37 LAL -.00 LOL 238.31 VL 27.037 GAL 2.58 AZL 90.77 HCA 203.18 SMA 129.80 ECC .17206 INC .7682 V1 29.434
 RP 107.73 LAP .30 LOP 81.50 VP 37.964 GAP 1.55 AZP 89.29 TAL 167.40 TAP 10.59 RCA 107.46 APO 152.13 V2 35.175
 RC 96.719 GL -8.01 GP -30.65 ZAL 70.43 ZAP 110.33 ETS 348.54 ZAE 142.58 ETE 223.56 ZAC 120.87 ETC 360.00 CLP-113.82

PLANETOCENTRIC CONIC

C3 6.770 VHL 2.602 DLA -2.66 RAL 165.92 RAD 6567.2 VEL 11.321 PTH 1.95 VHP 3.474 DPA -13.70 RAP 141.00 ECC 1.1114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 39 1906.68 -11.10 22.85 12.23 116.22 7 28 25 1306.7 -7.49 16.04
 90.00 18 15 12 4715.73 15.86 201.59 12.80 66.23 19 33 47 4115.7 12.52 194.51
 100.00 8 16 45 1648.29 -11.80 3.49 11.87 117.66 8 44 13 1048.3 -8.01 356.76
 100.00 19 37 47 4449.36 16.58 181.66 12.47 64.76 20 51 56 3849.4 13.04 174.65
 110.00 9 22 9 1443.56 -13.65 346.87 10.79 121.65 9 46 12 843.6 -9.36 340.40
 110.00 20 48 52 4226.85 18.47 163.75 11.45 60.71 21 59 19 3626.8 14.42 156.97

DIFFERENTIAL CORRECTIONS

TDE -.4491 TRA .6498 TC3-4.8758 BAU .5170
 RDE -.3159 RRA .6170 RC3-2.9756 FAU .14220
 FDE-2.4021 FRA 3.6338 FC-18.1850 BSP 11509
 BDE .5491 BRA .8961 BC3 5.7121 FSP -3778

MID-COURSE EXECUTION ACCURACY

SGT 3076.9 SGR 2175.3 SG3 1164.6
 RRT .9809 RRF .9968 RTF .9817
 SGB 3768.2 R23 .1103 R13 .9909
 SG1 3752.2 SG2 347.2 THA 35.08

ORBIT DETERMINATION ACCURACY

ST 1081.0 SR 807.9 SS 1746.0
 CRT .9927 CRS -.9946 CST -.9996
 LSA 2205.1 MSA 82.8 SSA 20.0
 EL1 1347.3 EL2 78.3 ALF 36.71

LAUNCH DATE MAY 20 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 465.057

RL 151.37 LAL -.00 LOL 238.31 VL 27.028 GAL 2.69 AZL 91.11 HCA 206.41 SMA 129.73 ECC .17312 INC 1.1075 V1 29.434
 RP 107.70 LAP .49 LOP 84.72 VP 37.967 GAP 1.96 AZP 89.01 TAL 166.94 TAP 13.35 RCA 107.27 APO 152.19 V2 35.185
 RC 98.967 GL -11.32 GP -26.83 ZAL 69.67 ZAP 115.06 ETS 347.59 ZAE 142.60 ETE 216.09 ZAC 122.01 ETC 1.76 CLP-118.33

PLANETOCENTRIC CONIC

C3 7.075 VHL 2.660 DLA -6.09 RAL 165.51 RAD 6567.2 VEL 11.334 PTH 1.95 VHP 3.472 DPA -9.73 RAP 141.18 ECC 1.1164
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 48 1807.25 -8.06 17.14 12.16 117.24 7 50 55 1207.3 -4.34 10.43
 90.00 17 47 48 4830.64 18.88 208.67 13.50 68.50 19 8 18 4230.6 15.79 201.36
 100.00 8 39 15 1554.16 -8.77 358.14 11.77 118.69 9 5 9 954.2 -4.88 351.52
 100.00 19 12 1 4558.97 19.63 188.37 13.18 66.99 20 28 0 3959.0 16.35 181.11
 110.00 9 40 53 1361.18 -10.66 342.36 10.64 122.67 10 3 35 761.2 -6.28 336.01
 110.00 20 26 52 4324.71 21.62 169.59 12.18 62.85 21 38 57 3724.7 17.81 162.53

DIFFERENTIAL CORRECTIONS

TDE -.6034 TRA .7351 TC3-5.1514 BAU .5404
 RDE -.3044 RRA .5413 RC3-2.4699 FAU .14145
 FDE-2.7664 FRA 3.6516 FC-17.3080 BSP 11956
 BDE .6759 BRA .9129 BC3 5.7129 FSP -3805

MID-COURSE EXECUTION ACCURACY

SGT 3425.6 SGR 1879.3 SG3 1168.4
 RRT .9818 RRF .9949 RTF .9838
 SGB 3907.3 R23 .1093 R13 .9895
 SG1 3894.6 SG2 314.1 THA 28.51

ORBIT DETERMINATION ACCURACY

ST 1397.2 SR 745.2 SS 1926.0
 CRT .9902 CRS -.9935 CST -.9995
 LSA 2486.0 MSA 92.0 SSA 18.4
 EL1 1572.0 EL2 91.9 ALF 28.11

LAUNCH DATE MAY 20 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 471.306

RL 151.37 LAL -.00 LOL 238.31 VL 27.017 GAL 2.82 AZL 91.38 HCA 209.65 SMA 129.66 ECC .17437 INC 1.3774 V1 29.434
 RP 107.67 LAP .68 LOP 87.95 VP 37.968 GAP 2.37 AZP 88.80 TAL 166.43 TAP 16.08 RCA 107.05 APO 152.26 V2 35.195
 RC 101.218 GL -13.78 GP -23.63 ZAL 68.84 ZAP 119.51 FTS 346.95 ZAE 141.88 ETE 209.83 ZAC 122.81 ETC 3.42 CLP-122.53

PLANETOCENTRIC CONIC

C3 7.417 VHL 2.723 DLA -8.76 RAL 165.49 RAD 6567.2 VEL 11.349 PTH 1.96 VHP 3.515 DPA -6.42 RAP 141.35 ECC 1.1221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 29 1730.31 -5.64 12.78 12.66 117.80 8 10 19 1130.3 -1.87 6.12
 90.00 17 26 57 4924.43 21.11 214.65 14.64 70.68 18 49 2 4324.4 18.28 207.12
 100.00 8 58 34 1481.64 -6.38 354.09 12.26 119.27 9 23 15 881.6 -2.43 347.53
 100.00 18 52 34 4648.33 21.90 194.03 14.33 69.13 20 10 2 4048.3 18.87 186.55
 110.00 9 57 6 1298.36 -8.33 338.99 11.06 123.27 10 18 44 698.4 -3.90 332.71
 110.00 20 10 31 4404.38 24.01 174.54 13.36 64.90 21 23 55 3804.4 20.43 167.23

DIFFERENTIAL CORRECTIONS

TDE -.7533 TRA .8231 TC3-5.3438 BAU .5677
 RDE -.2803 RRA .4809 RC3-2.0531 FAU .13737
 FDE-3.0070 FRA 3.6139 FC-16.0330 BSP 12552
 BDE .8037 BRA .9533 BC3 5.7247 FSP -3745

MID-COURSE EXECUTION ACCURACY

SGT 3748.8 SGR 1626.6 SG3 1144.5
 RRT .9811 RRF .9918 RTF .9852
 SGB 4086.5 R23 .1003 R13 .9887
 SG1 4076.3 SG2 289.2 THA 23.18

ORBIT DETERMINATION ACCURACY

ST 1671.9 SR 665.6 SS 2046.3
 CRT .9873 CRS -.9915 CST -.9995
 LSA 2723.2 MSA 99.1 SSA 17.6
 EL1 1796.8 EL2 98.5 ALF 21.53

LAUNCH DATE MAY 20 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 477.536

RL 151.37 LAL -.00 LOL 238.31 VL 27.004 GAL 2.96 AZL 91.60 HCA 212.88 SMA 129.57 ECC .17580 INC 1.5987 V1 29.434
 RP 107.65 LAP .87 LOP 91.19 VP 37.967 GAP 2.78 A7P 88.66 TAL 165.88 TAP 18.76 RCA 106.79 APO 152.35 V2 35.204
 RC 103.470 GL -15.64 GP -20.95 ZAL 67.94 ZAP 123.68 ETS 346.53 ZAE 140.73 ETE 204.74 ZAC 123.29 ETC 4.95 CLP-126.43

PLANETOCENTRIC CONIC

C3 7.787 VHL 2.791 DLA -10.91 RAL 165.77 RAD 6567.3 VEL 11.366 PTH 1.96 VHP 3.589 DPA -3.68 RAP 141.60 ECC 1.1282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 53 1668.87 -3.68 9.33 13.57 118.10 8 27 42 1068.9 .11 2.70
 90.00 17 10 44 5003.54 22.80 219.83 16.09 72.74 18 34 8 4403.5 20.22 212.11
 100.00 9 15 46 1424.05 -4.45 350.90 13.14 119.59 9 39 30 824.1 -.48 344.37
 100.00 18 37 32 4723.58 23.65 198.94 15.79 71.16 19 56 16 4123.6 20.85 191.26
 110.00 10 11 38 1249.10 -6.48 336.37 11.88 123.64 10 32 27 649.1 -2.02 330.13
 110.00 19 58 10 4471.30 25.87 178.84 14.85 66.84 21 12 41 3871.3 22.51 171.30

DIFFERENTIAL CORRECTIONS

TDE -.8985 TRA .9146 TC3-5.4662 BAU .5964
 RDE -.2498 RRA .4327 RC3-1.7127 FAU .13092
 FDE-3.1461 FRA 3.5445 FC-14.5550 BSP 13206
 BDE .9326 BRA 1.0118 BC3 5.7283 FSP -3615

MID-COURSE EXECUTION ACCURACY

SGT 4045.7 SGR 1412.6 SG3 1101.9
 RRT .9786 RRF .9872 RTF .9860
 SGB 4285.2 R23 .0865 R13 .9881
 SG1 4276.4 SG2 274.9 THA 18.95

ORBIT DETERMINATION ACCURACY

ST 1934.1 SR 581.1 SS 2120.0
 CRT .9829 CRS -.9879 CST -.9995
 LSA 2926.0 MSA 104.8 SSA 17.3
 EL1 2016.9 EL2 102.5 ALF 16.50

LAUNCH DATE MAY 20 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 483.746

RL 151.37 LAL -.00 LOL 238.31 VL 26.990 GAL 3.11 AZL 91.78 HCA 216.12 SMA 129.47 ECC .17741 INC 1.7845 V1 29.434
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.964 GAP 3.18 A7P 88.56 TAL 165.29 TAP 21.41 RCA 106.50 APO 152.44 V2 35.212
 RC 105.723 GL -17.06 GP -18.68 ZAL 66.96 ZAP 127.55 ETS 346.26 ZAE 139.36 ETE 200.70 ZAC 123.47 ETC 6.34 CLP-130.04

PLANETOCENTRIC CONIC

C3 8.183 VHL 2.861 DLA -12.67 RAL 166.27 RAD 6567.3 VEL 11.383 PTH 1.97 VHP 3.689 DPA -1.41 RAP 141.96 ECC 1.1347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 42 1618.67 -2.06 6.52 14.77 118.25 8 43 41 1018.7 1.73 359.90
 90.00 16 57 56 5072.04 24.11 224.42 17.76 74.68 18 22 28 4472.0 21.77 216.53
 100.00 9 31 30 1377.31 -2.88 348.33 14.32 119.77 9 54 28 777.3 1.11 341.80
 100.00 18 25 49 4788.63 25.01 203.29 17.48 73.07 19 45 38 4188.6 22.45 195.43
 110.00 10 25 1 1209.71 -4.99 334.30 13.00 123.86 10 45 11 609.7 -.51 328.08
 110.00 19 48 47 4528.99 27.36 182.67 16.57 68.66 21 4 16 3929.0 24.21 174.91

DIFFERENTIAL CORRECTIONS

TDE-1.0367 TRA 1.0120 TC3-5.5215 BAU .6241
 RDE -.2159 RRA .3949 RC3-1.4345 FAU .12286
 FDE-3.1971 FRA 3.4637 FC-12.9982 BSP 13838
 BDE 1.0589 BRA 1.0863 BC3 5.7048 FSP -3432

MID-COURSE EXECUTION ACCURACY

SGT 4313.6 SGR 1232.0 SG3 1047.1
 RRT .9738 RRF .9803 RTF .9863
 SGB 4486.1 R23 .0708 R13 .9877
 SG1 4477.9 SG2 270.1 THA 15.60

ORBIT DETERMINATION ACCURACY

ST 2170.1 SR 496.8 SS 2152.7
 CRT .9758 CRS -.9818 CST -.9995
 LSA 3094.8 MSA 110.1 SSA 17.2
 EL1 2223.7 EL2 106.0 ALF 12.62

LAUNCH DATE MAY 20 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 489.935

RL 151.37 LAL -.00 LOL 238.31 VL 26.974 GAL 3.28 AZL 91.94 HCA 219.36 SMA 129.37 ECC .17921 INC 1.9436 V1 29.434
 RP 107.60 LAP 1.23 LOP 97.65 VP 37.960 GAP 3.59 A7P 88.50 TAL 164.66 TAP 24.01 RCA 106.18 APO 152.55 V2 35.220
 RC 107.975 GL -18.14 GP -16.75 ZAL 65.91 ZAP 131.13 ETS 346.08 ZAE 137.91 ETE 197.50 ZAC 123.38 ETC 7.57 CLP-133.38

PLANETOCENTRIC CONIC

C3 8.606 VHL 2.934 DLA -14.15 RAL 166.96 RAD 6567.3 VEL 11.402 PTH 1.97 VHP 3.809 DPA .46 RAP 142.45 ECC 1.1416
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 22 1577.02 -.72 4.20 16.20 118.31 8 58 39 977.0 3.07 357.57
 90.00 16 47 46 5132.64 25.14 228.57 19.61 76.51 18 13 19 4532.6 23.03 220.53
 100.00 9 46 12 1338.83 -1.57 346.21 15.72 119.85 10 8 30 738.8 2.41 339.69
 100.00 18 16 38 4846.05 26.09 207.22 19.34 74.86 19 37 24 4246.1 23.75 199.20
 110.00 10 37 35 1177.85 -3.78 332.62 14.35 124.00 10 57 13 577.9 .71 326.42
 110.00 19 41 44 4579.80 28.57 186.12 18.47 70.38 20 58 4 3979.8 25.63 178.18

DIFFERENTIAL CORRECTIONS

TDE-1.1724 TRA 1.1112 TC3-5.5400 BAU .6525
 RDE -.1826 RRA .3637 RC3-1.2154 FAU .11472
 FDE-3.1995 FRA 3.3642 FC-11.5407 BSP 14532
 BDE 1.1865 BRA 1.1692 BC3 5.6717 FSP -3252

MID-COURSE EXECUTION ACCURACY

SGT 4562.6 SGR 1082.8 SG3 988.2
 RRT .9664 RRF .9707 RTF .9866
 SGB 4689.4 R23 .0541 R13 .9874
 SG1 4681.5 SG2 271.3 THA 12.96

ORBIT DETERMINATION ACCURACY

ST 2388.2 SR 419.5 SS 2163.6
 CRT .9646 CRS -.9717 CST -.9995
 LSA 3247.6 MSA 114.4 SSA 17.2
 EL1 2422.3 EL2 109.1 ALF 9.64

LAUNCH DATE MAY 20 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 496.103

RL 151.37 LAL -.00 LOL 238.31 VL 26.957 GAL 3.46 AZL 92.08 HCA 222.60 SMA 129.25 ECC .18120 INC 2.0823 V1 29.434
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.955 GAP 3.99 A7P 88.47 TAL 163.99 TAP 26.59 RCA 105.83 APO 152.67 V2 35.227
 RC 110.226 GL -18.96 GP -15.10 ZAL 64.79 ZAP 134.43 ETS 345.95 ZAE 136.46 ETE 194.97 ZAC 123.04 ETC 8.65 CLP-136.48

PLANETOCENTRIC CONIC

C3 9.060 VHL 3.010 DLA -15.41 RAL 167.81 RAD 6567.3 VEL 11.421 PTH 1.98 VHP 3.945 DPA 1.98 RAP 143.08 ECC 1.1491
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 11 1542.12 .41 2.26 17.82 118.31 9 12 53 942.1 4.19 355.62
 90.00 16 39 42 5187.20 25.95 232.36 21.61 78.25 18 6 10 4587.2 24.07 224.19
 100.00 10 0 5 1306.89 -.49 344.46 17.32 119.89 10 21 52 706.9 3.49 337.94
 100.00 18 9 29 4897.66 26.95 210.81 21.36 76.56 19 31 7 4297.7 24.84 202.65
 110.00 10 49 33 1151.96 -2.80 331.27 15.88 124.08 11 8 45 552.0 1.70 325.07
 110.00 19 36 31 4625.36 29.57 189.29 20.52 72.01 20 53 36 4025.4 26.83 181.18

DIFFERENTIAL CORRECTIONS

TDE-1.3038 TRA 1.2155 TC3-5.5138 BAU .6796
 RDE -.1500 RRA .3387 RC3-1.0372 FAU .10633
 FDE-3.1610 FRA 3.3628 FC-10.1606 BSP 15198
 BDE 1.3124 BRA 1.2618 BC3 5.6105 FSP -3062

MID-COURSE EXECUTION ACCURACY

SGT 4789.3 SGR 958.5 SG3 927.0
 RRT .9555 RRF .9574 RTF .9866
 SGB 4884.3 R23 .0390 R13 .9871
 SG1 4876.4 SG2 277.5 THA 10.86

ORBIT DETERMINATION ACCURACY

ST 2586.0 SR 349.5 SS 2154.8
 CRT .9460 CRS -.9546 CST -.9996
 LSA 3382.1 MSA 118.5 SSA 17.3
 EL1 2607.1 EL2 112.4 ALF 7.30

LAUNCH DATE MAY 20 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 502.248

RL 151.37 LAL -.00 LOL 238.31 VL 26.939 GAL 3.66 AZL 92.20 HCA 225.84 SMA 129.13 ECC .18338 INC 2.2049 V1 29.434
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.948 GAP 4.40 AZP 88.46 TAL 163.28 TAP 29.12 RCA 105.45 APO 152.81 V2 35.233
 RC 112.475 GL -19.56 GP -13.69 ZAL 63.61 ZAP 137.49 ETS 345.85 ZAE 135.07 ETE 192.97 ZAC 122.50 ETC 9.59 CLP-139.36

PLANETOCENTRIC CONIC

C3 9.550 VHL 3.090 DLA -16.50 RAL 168.78 RAD 6567.3 VEL 11.443 PTH 1.98 VHP 4.094 DPA 3.22 RAP 143.85 ECC 1.1572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 19 1512.78 1.36 .62 19.60 118.29 9 26 31 912.8 5.13 353.97
 90.00 16 33 22 5237.03 26.59 235.86 23.73 79.89 18 0 39 4637.0 24.93 227.59
 100.00 10 13 21 1280.33 .41 343.00 19.08 119.89 10 34 41 680.3 4.38 336.47
 100.00 18 4 0 4944.72 27.66 214.13 23.50 78.18 19 26 25 4344.7 25.75 205.85
 110.00 11 1 2 1130.98 -2.00 330.17 17.57 124.13 11 19 52 531.0 2.50 323.97
 110.00 19 32 49 4666.83 30.41 192.23 22.71 73.57 20 50 36 4066.8 27.86 183.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.4307 TRA 1.3260 TC3-5.4490 BAU .7049 SGT 4995.2 SGR 855.5 SG3 866.1 ST 2763.7 SR 287.6 SS 2129.9
 RDE -.1184 RRA .3188 RC3 -.8917 FAU .09803 RRT .9405 RRF .9397 RTF .9865 CRT .9247 CRS -.9247 CST -.9996
 FDE-3.0916 FRA 3.1652 FC3-8.8870 BSP 15827 SGB 5067.9 R23 .0261 R13 .9867 LSA 3498.8 MSA 122.7 SSA 17.3
 BDE 1.4356 BRA 1.3637 BC3 5.5215 FSP -2872 SG1 5059.8 SG2 287.1 THA 9.18 EL1 2776.2 EL2 116.1 ALF 5.44

LAUNCH DATE MAY 20 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 508.372

RL 151.37 LAL -.00 LOL 238.31 VL 26.920 GAL 3.87 AZL 92.31 HCA 229.08 SMA 129.00 ECC .18576 INC 2.3148 V1 29.434
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.940 GAP 4.81 AZP 88.48 TAL 162.55 TAP 31.63 RCA 105.04 APO 152.96 V2 35.239
 RC 114.720 GL -19.98 GP -12.48 ZAL 62.37 ZAP 140.33 ETS 345.76 ZAE 133.76 ETE 191.37 ZAC 121.76 ETC 10.38 CLP-142.03

PLANETOCENTRIC CONIC

C3 10.080 VHL 3.175 DLA -17.44 RAL 169.87 RAD 6567.4 VEL 11.466 PTH 1.99 VHP 4.255 DPA 4.21 RAP 144.75 ECC 1.1659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 52 1488.16 2.15 359.24 21.53 118.24 9 39 41 888.2 5.91 352.58
 90.00 16 28 27 5283.07 27.10 239.14 25.97 81.46 17 56 30 4683.1 25.64 230.77
 100.00 10 26 6 1258.34 1.16 341.80 20.98 119.87 10 47 4 658.3 5.12 335.26
 100.00 17 59 55 4988.14 28.22 217.23 25.76 79.71 19 23 3 4388.1 26.51 208.85
 110.00 11 12 7 1114.18 -1.35 329.30 19.41 124.16 11 30 41 514.2 3.14 323.09
 110.00 19 30 24 4705.06 31.11 194.99 25.01 75.06 20 48 49 4105.1 28.75 186.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.5512 TRA 1.4456 TC3-5.3414 BAU .7273 SGT 5178.4 SGR 770.2 SG3 806.3 ST 2918.7 SR 234.2 SS 2090.0
 RDE -.0877 RRA .3032 RC3 -.7701 FAU .08973 RRT .9202 RRF .9167 RTF .9861 CRT .8565 CRS -.8700 CST -.9996
 FDE-2.9964 FRA 3.0784 FC3-7.7065 BSP -16352 SGB 5235.4 R23 .0159 R13 .9863 LSA 3595.2 MSA 127.4 SSA 17.3
 BDE 1.5536 BRA 1.4770 BC3 5.3966 FSP -2671 SG1 5226.9 SG2 298.8 THA 7.82 EL1 2925.6 EL2 120.6 ALF 3.94

LAUNCH DATE MAY 20 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 514.471

RL 151.37 LAL -.00 LOL 238.31 VL 26.900 GAL 4.10 AZL 92.41 HCA 232.33 SMA 128.86 ECC .18834 INC 2.4143 V1 29.434
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.930 GAP 5.22 AZP 88.52 TAL 161.78 TAP 34.10 RCA 104.59 APO 153.13 V2 35.244
 RC 116.961 GL -20.26 GP -11.43 ZAL 61.09 ZAP 142.95 ETS 345.66 ZAE 132.54 ETE 190.07 ZAC 120.86 ETC 11.05 CLP-144.52

PLANETOCENTRIC CONIC

C3 10.658 VHL 3.265 DLA -18.26 RAL 171.05 RAD 6567.4 VEL 11.491 PTH 2.00 VHP 4.427 DPA 4.98 RAP 145.78 ECC 1.1754
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 27 56 1467.70 2.81 358.10 23.57 118.19 9 52 24 867.7 6.56 351.43
 90.00 16 24 47 5326.00 27.50 242.22 28.31 82.95 17 53 33 4726.0 26.24 233.78
 100.00 10 38 23 1240.37 1.76 340.81 22.99 119.85 10 59 4 640.4 5.72 334.26
 100.00 17 57 2 5028.57 28.68 220.15 28.12 81.19 19 20 50 4428.6 27.16 211.68
 110.00 11 22 51 1101.04 -.85 328.61 21.36 124.17 11 41 12 501.0 3.64 322.40
 110.00 19 29 3 4740.66 31.71 197.59 27.43 76.50 20 48 3 4140.7 29.52 189.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.6715 TRA 1.5693 TC3-5.2183 BAU .7497 SGT 5350.3 SGR 700.6 SG3 750.6 ST 3061.5 SR 191.8 SS 2047.6
 RDE -.0590 RRA .2903 RC3 -.6718 FAU .08230 RRT .8947 RRF .8881 RTF .9859 CRT .7579 CRS -.7745 CST -.9996
 FDE-2.8992 FRA 2.9902 FC3-6.6852 BSP 16906 SGB 5396.0 R23 .0067 R13 .9859 LSA 3685.7 MSA 131.6 SSA 17.2
 BDE 1.6725 BRA 1.5960 BC3 5.2614 FSP -2495 SG1 5387.0 SG2 310.8 THA 6.70 EL1 3064.9 EL2 125.0 ALF 2.72

LAUNCH DATE MAY 20 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 520.545

RL 151.37 LAL -.00 LOL 238.31 VL 26.879 GAL 4.35 AZL 92.51 HCA 235.57 SMA 128.72 ECC .19114 INC 2.5056 V1 29.434
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.919 GAP 5.64 AZP 88.58 TAL 160.98 TAP 36.55 RCA 104.12 APO 153.32 V2 35.244
 RC 119.197 GL -20.41 GP -10.51 ZAL 59.77 ZAP 145.40 ETS 345.53 ZAE 131.42 ETE 189.03 ZAC 119.81 ETC 11.60 CLP-146.84

PLANETOCENTRIC CONIC

C3 11.290 VHL 3.360 DLA -18.98 RAL 172.30 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 4.609 DPA 5.56 RAP 146.93 ECC 1.1858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 32 1450.98 3.35 357.17 25.73 118.13 10 4 43 851.0 7.08 350.48
 90.00 16 22 12 5366.34 27.80 245.13 30.74 84.38 17 51 39 4766.3 26.73 236.63
 100.00 10 50 15 1226.02 2.25 340.02 25.12 119.82 11 10 41 626.0 6.20 333.46
 100.00 17 55 11 5066.53 29.04 222.91 30.58 82.60 19 19 37 4466.5 27.71 214.36
 110.00 11 33 17 1091.20 -.47 328.10 23.42 124.18 11 51 28 491.2 4.01 321.89
 110.00 19 28 39 4774.12 32.21 200.07 29.95 77.88 20 48 13 4174.1 30.21 191.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.7891 TRA 1.7009 TC3-5.0705 BAU .7705 SGT 5506.8 SGR 643.5 SG3 698.2 ST 3188.2 SR 161.0 SS 1999.6
 RDE -.0314 RRA .2798 RC3 -.5889 FAU .07528 RRT .8634 RRF .8534 RTF .9855 CRT .5920 CRS -.6122 CST -.9996
 FDE-2.7955 FRA 2.9094 FC3-5.7726 BSP 17424 SGB 5544.3 R23 -.0007 R13 .9855 LSA 3764.4 MSA 136.1 SSA 17.2
 BDE 1.7894 BRA 1.7237 BC3 5.1046 FSP -2329 SG1 5534.9 SG2 323.0 THA 5.78 EL1 3189.7 EL2 129.7 ALF 1.72

LAUNCH DATE MAY 20 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 526.594

RL 151.37 LAL -.00 LOL 238.31 VL 26.857 GAL 4.61 AZL 92.59 HCA 238.82 SMA 128.57 ECC .19416 INC 2.5901 V1 29.434
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.907 GAP 6.06 AZP 88.66 TAL 160.15 TAP 38.97 RCA 103.61 APO 153.54 V2 35.252
 RC 121.426 GL -20.46 GP -9.71 ZAL 58.42 ZAP 147.68 ETS 345.37 ZAE 130.40 ETE 188.16 ZAC 118.63 ETC 12.06 CLP-149.02

PLANETOCENTRIC CONIC

C3 11.983 VHL 3.462 DLA -19.61 RAL 173.62 RAD 6567.5 VEL 11.549 PTH 2.02 VHP 4.800 DPA 5.98 RAP 148.19 ECC 1.1972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 42 1437.74 3.77 356.42 27.98 118.09 10 16 40 837.7 7.50 349.73
 90.00 16 20 35 5404.45 28.02 247.89 33.26 85.75 17 50 40 4804.5 27.14 239.34
 100.00 11 1 43 1215.03 2.62 339.42 27.34 119.79 11 21 58 615.0 6.57 332.85
 100.00 17 54 16 5102.39 29.33 225.54 33.13 83.95 19 19 18 4502.4 28.18 216.92
 110.00 11 43 24 1084.40 -.21 327.74 25.57 124.18 12 1 28 484.4 4.27 321.53
 110.00 19 29 4 4805.78 32.64 202.44 32.55 79.22 20 49 10 4205.8 30.81 193.70

DIFFERENTIAL CORRECTIONS

TOE-1.9043 TRA 1.8406 TC3-4.9020 BAU .7897
 RDE -.0048 RRA .2714 RC3 -.5186 FAU .06874
 FDE-2.6891 FRA 2.8355 FC3-4.9662 BSP 17910
 BDE 1.9043 BRA 1.8605 BC3 4.9293 FSP -2175

MID-COURSE EXECUTION ACCURACY

SGT 5649.1 SGR 596.9 SG3 649.2
 RRT .8261 RRF .8128 RTF .9851
 SGB 5680.5 R23 -.0068 R13 .9850
 SG1 5670.7 SG2 335.1 THA 5.01

ORBIT DETERMINATION ACCURACY

ST 3299.5 SR 143.7 SS 1947.7
 CRT .3481 CRS -.3711 CST -.9996
 LSA 3831.6 MSA 140.7 SSA 17.0
 EL1 3299.9 EL2 134.7 ALF .87

LAUNCH DATE MAY 20 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 532.615

RL 151.37 LAL -.00 LOL 238.31 VL 26.834 GAL 4.89 AZL 92.67 HCA 242.06 SMA 128.42 ECC .19742 INC 2.6689 V1 29.434
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.894 GAP 6.48 AZP 88.75 TAL 159.30 TAP 41.36 RCA 103.07 APO 153.78 V2 35.255
 RC 123.648 GL -20.41 GP -9.01 ZAL 57.04 ZAP 149.82 ETS 345.17 ZAE 129.46 ETE 187.45 ZAC 117.34 ETC 12.43 CLP-151.07

PLANETOCENTRIC CONIC

C3 12.745 VHL 3.570 DLA -20.16 RAL 175.00 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 5.000 DPA 6.26 RAP 149.54 ECC 1.2098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 4 25 1427.77 4.09 355.87 30.32 118.04 10 28 13 827.8 7.81 349.16
 90.00 16 19 50 5440.64 28.18 250.53 35.86 87.07 17 50 30 4840.6 27.47 241.94
 100.00 11 12 46 1207.20 2.89 338.99 29.65 119.77 11 32 54 607.2 6.83 332.42
 100.00 17 54 10 5136.44 29.55 228.05 35.75 85.25 19 19 46 4536.4 28.58 219.38
 110.00 11 53 13 1080.45 -.06 327.54 27.81 124.18 12 11 13 480.5 4.42 321.32
 110.00 19 30 13 4835.95 33.00 204.72 35.25 80.53 20 50 49 4236.0 31.34 195.89

DIFFERENTIAL CORRECTIONS

TOE-2.0174 TRA 1.9900 TC3-4.7143 BAU .8070
 RDE .0210 RRA .2645 RC3 -.4578 FAU .06263
 FDE-2.5828 FRA 2.7693 FC3-4.2540 BSP 18346
 BDE 2.0175 BRA 2.0075 BC3 4.7365 FSP -2029

MID-COURSE EXECUTION ACCURACY

SGT 5778.3 SGR 559.0 SG3 603.7
 RRT .7832 RRF .7665 RTF .9846
 SGB 5805.2 R23 -.0118 R13 .9845
 SG1 5794.9 SG2 346.6 THA 4.35

ORBIT DETERMINATION ACCURACY

ST 3396.3 SR 140.1 SS 1893.3
 CRT .0635 CRS -.0875 CST -.9997
 LSA 3888.2 MSA 145.4 SSA 16.8
 EL1 3396.3 EL2 139.8 ALF .15

LAUNCH DATE MAY 20 1967

FLIGHT TIME 194.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 538.607

RL 151.37 LAL -.00 LOL 238.31 VL 26.811 GAL 5.19 AZL 92.74 HCA 245.31 SMA 128.27 ECC .20093 INC 2.7432 V1 29.434
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.879 GAP 6.92 AZP 88.85 TAL 158.42 TAP 43.73 RCA 102.49 APO 154.04 V2 35.257
 RC 125.861 GL -20.29 GP -8.40 ZAL 55.65 ZAP 151.83 ETS 344.93 ZAE 128.61 ETE 186.86 ZAC 115.94 ETC 12.72 CLP-153.01

PLANETOCENTRIC CONIC

C3 13.587 VHL 3.686 DLA -20.64 RAL 176.42 RAD 6567.5 VEL 11.618 PTH 2.04 VHP 5.209 DPA 6.41 RAP 150.98 ECC 1.2236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 15 42 1420.95 4.31 355.48 32.73 118.01 10 39 23 821.0 8.02 348.77
 90.00 16 19 52 5475.11 28.27 253.05 38.53 88.32 17 51 7 4875.1 27.74 244.42
 100.00 11 23 25 1202.38 3.05 338.72 32.04 119.75 11 43 28 602.4 6.99 332.15
 100.00 17 54 49 5168.92 29.71 230.45 38.45 86.51 19 20 58 4568.9 28.91 221.74
 110.00 12 2 43 1079.20 -.02 327.47 30.12 124.18 12 20 43 479.2 4.47 321.26
 110.00 19 32 1 4864.86 33.30 206.92 38.02 81.80 20 53 6 4264.9 31.81 198.01

DIFFERENTIAL CORRECTIONS

TOE-2.1264 TRA 2.1515 TC3-4.5048 BAU .8216
 RDE .0465 RRA .2589 RC3 -.4043 FAU .05678
 FDE-2.4741 FRA 2.7135 FC3-3.6179 BSP 18687
 BDE 2.1269 BRA 2.1671 BC3 4.5229 FSP -1885

MID-COURSE EXECUTION ACCURACY

SGT 5892.8 SGR 528.2 SG3 561.4
 RRT .7349 RRF .7153 RTF .9840
 SGB 5916.5 R23 -.0155 R13 .9839
 SG1 5905.7 SG2 357.4 THA 3.78

ORBIT DETERMINATION ACCURACY

ST 3476.3 SR 148.2 SS 1835.1
 CRT -.1938 CRS .1705 CST -.9997
 LSA 3930.8 MSA 150.6 SSA 16.7
 EL1 3476.4 EL2 145.4 ALF 179.53

LAUNCH DATE MAY 20 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 544.567

RL 151.37 LAL -.00 LOL 238.31 VL 26.787 GAL 5.51 AZL 92.81 HCA 248.56 SMA 128.11 ECC .20470 INC 2.8137 V1 29.434
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.863 GAP 7.36 AZP 88.97 TAL 157.53 TAP 46.08 RCA 101.88 APO 154.33 V2 35.258
 RC 128.066 GL -20.09 GP -7.85 ZAL 54.24 ZAP 153.72 ETS 344.62 ZAE 127.83 ETE 186.36 ZAC 114.46 ETC 12.95 CLP-154.84

PLANETOCENTRIC CONIC

C3 14.518 VHL 3.810 DLA -21.06 RAL 177.86 RAD 6567.6 VEL 11.658 PTH 2.05 VHP 5.427 DPA 6.45 RAP 152.50 ECC 1.2389
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 26 30 1417.20 4.43 355.27 35.22 118.00 10 50 7 817.2 8.14 348.56
 90.00 16 20 38 5508.04 28.31 255.46 41.26 89.53 17 52 26 4908.0 27.95 246.81
 100.00 11 33 39 1200.48 3.11 338.62 34.49 119.74 11 53 40 600.5 7.05 332.04
 100.00 17 56 10 5199.99 29.81 232.75 41.22 87.72 19 22 50 4600.0 29.18 224.01
 110.00 12 11 55 1080.57 -.07 327.54 32.50 124.18 12 29 55 480.6 4.42 321.33
 110.00 19 34 24 4892.67 33.55 209.06 40.87 83.04 20 55 56 4292.7 32.23 200.08

DIFFERENTIAL CORRECTIONS

TOE-2.2378 TRA 2.3198 TC3-4.2950 BAU .8365
 RDE .0713 RRA .2538 RC3 -.3583 FAU .05165
 FDE-2.3747 FRA 2.6586 FC3-3.0801 BSP 19083
 BDE 2.2389 BRA 2.3336 BC3 4.3100 FSP -1764

MID-COURSE EXECUTION ACCURACY

SGT 6000.7 SGR 503.3 SG3 522.8
 RRT .6827 RRF .6601 RTF .9835
 SGB 6021.8 R23 -.0190 R13 .9835
 SG1 6010.6 SG2 367.2 THA 3.29

ORBIT DETERMINATION ACCURACY

ST 3548.3 SR 163.1 SS 1779.9
 CRT -.3840 CRS .3625 CST -.9997
 LSA 3970.0 MSA 155.4 SSA 16.5
 EL1 3548.8 EL2 150.6 ALF 178.99

LAUNCH DATE MAY 20 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 550.493

RL 151.37 LAL -1.00 LOL 238.31 VL 26.762 GAL 5.85 AZL 92.88 HCA 251.80 SMA 127.94 ECC .20876 INC 2.8811 VI 29.434
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.847 GAP 7.81 AZP 89.10 TAL 156.61 TAP 48.42 RCA 101.23 APO 154.65 V2 35.259
 RC 130.261 GL -19.84 GP -7.37 ZAL 52.83 ZAP 155.51 ETS 344.26 ZAE 127.13 ETE 185.93 ZAC 112.89 ETC 13.13 CLP-156.58

PLANETOCENTRIC CONIC

C3 15.551 VHL 3.943 OLA -21.42 RAL 179.34 RAD 6567.6 VEL 11.702 PTH 2.06 VHP 5.655 DPA 6.339 RAP 154.08 ECC 1.2559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 49 1416.45 4.45 355.23 37.76 117.99 11 0 26 816.5 8.16 348.52
 90.00 16 22 4 5539.56 28.31 257.76 44.06 90.69 17 54 24 4939.6 28.10 249.10
 100.00 11 43 26 1201.43 3.08 338.67 37.00 119.75 12 3 28 601.4 7.02 332.10
 100.00 17 58 8 5229.81 29.87 234.97 44.06 88.88 19 25 17 4629.8 29.40 226.20
 110.00 12 20 46 1084.45 -2.22 327.75 34.94 124.18 12 38 50 484.4 4.27 321.53
 110.00 19 37 18 4919.56 33.75 211.13 43.78 84.25 20 59 17 4319.6 32.59 202.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3478 TRA 2.4996 TC3-4.0731 BAU .8494 SGT 6097.2 SGR 483.1 SG3 487.1 ST 3607.7 SR 181.9 SS 1724.5
 RDE .0959 RRA .2493 RC3 -.3172 FAU .04683 RRT .6269 RRF .6016 RTF .9830 CRT -.5148 CRS .4952 CST -.9997
 FDE-2.2784 FRA 2.6107 FC3-2.6070 BSP 19428 SGB 6116.3 R23 -.0217 R13 .9830 LSA 3999.6 MSA 160.3 SSA 16.2
 BDE 2.3498 BRA 2.5120 BC3 4.0854 FSP -1648 SG1 6104.8 SG2 376.0 THA 2.85 EL1 3608.9 EL2 155.9 ALF 178.51

LAUNCH DATE MAY 20 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 556.383

RL 151.37 LAL -1.00 LOL 238.31 VL 26.737 GAL 6.22 AZL 92.95 HCA 255.05 SMA 127.78 ECC .21312 INC 2.9461 VI 29.434
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.829 GAP 8.27 AZP 89.24 TAL 155.68 TAP 50.73 RCA 100.55 APO 155.01 V2 35.259
 RC 132.447 GL -19.53 GP -6.94 ZAL 51.41 ZAP 157.20 ETS 343.82 ZAE 126.48 ETE 185.56 ZAC 111.25 ETC 13.27 CLP-158.23

PLANETOCENTRIC CONIC

C3 16.699 VHL 4.086 OLA -21.73 RAL 180.83 RAD 6567.7 VEL 11.751 PTH 2.07 VHP 5.893 DPA 6.244 RAP 155.72 ECC 1.2748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 46 38 1418.66 4.38 355.36 40.35 118.00 11 10 16 818.7 8.09 348.64
 90.00 16 24 8 5569.78 28.26 259.97 46.92 91.79 17 56 58 4969.8 28.21 251.31
 100.00 11 52 46 1205.17 2.96 338.88 39.56 119.76 12 12 52 605.2 6.89 332.31
 100.00 18 0 40 5258.50 29.89 237.10 46.94 90.00 19 28 19 4658.5 29.57 228.31
 110.00 12 29 16 1090.78 -4.46 328.08 37.43 124.18 12 47 27 490.8 4.03 321.87
 110.00 19 40 40 4945.65 33.91 213.15 46.76 85.44 21 3 6 4345.7 32.91 204.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4583 TRA 2.6908 TC3-3.8466 BAU .8611 SGT 6185.3 SGR 466.7 SG3 454.4 ST 3656.9 SR 202.1 SS 1670.4
 RDE .1203 RRA .2451 RC3 -.2805 FAU .04241 RRT .5686 RRF .5411 RTF .9825 CRT -.6032 CRS .5854 CST -.9997
 FDE-2.1875 FRA 2.5682 FC3-2.1986 BSP 19764 SGB 6202.9 R23 -.0240 R13 .9825 LSA 4022.0 MSA 165.0 SSA 15.9
 BDE 2.4612 BRA 2.7019 BC3 3.8569 FSP -1544 SG1 6191.0 SG2 383.6 THA 2.47 EL1 3659.0 EL2 161.1 ALF 178.09

LAUNCH DATE MAY 20 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 562.234

RL 151.37 LAL -1.00 LOL 238.31 VL 26.711 GAL 6.60 AZL 93.01 HCA 258.30 SMA 127.61 ECC .21780 INC 3.0091 VI 29.434
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.810 GAP 8.75 AZP 89.39 TAL 154.73 TAP 53.03 RCA 99.82 APO 155.40 V2 35.258
 RC 134.624 GL -19.18 GP -6.56 ZAL 50.00 ZAP 158.82 ETS 343.31 ZAE 125.89 ETE 185.24 ZAC 109.56 ETC 13.37 CLP-159.81

PLANETOCENTRIC CONIC

C3 17.979 VHL 4.240 OLA -21.99 RAL 182.32 RAD 6567.7 VEL 11.805 PTH 2.09 VHP 6.142 DPA 6.000 RAP 157.41 ECC 1.2959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 55 55 1423.79 4.22 355.64 42.99 118.03 11 19 38 823.8 7.93 348.94
 90.00 16 26 47 5598.80 28.18 262.09 49.82 92.85 18 0 6 4998.8 28.28 253.43
 100.00 12 1 38 1211.65 2.74 339.23 42.17 119.78 12 21 50 611.7 6.68 332.67
 100.00 18 3 44 5286.17 29.87 239.16 49.89 91.09 19 31 51 4686.2 29.71 230.36
 110.00 12 37 25 1099.51 -7.79 328.53 39.96 124.18 12 55 44 499.5 3.70 322.32
 110.00 19 44 28 4971.07 34.03 215.13 49.79 86.60 21 7 19 4371.1 33.19 205.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5652 TRA 2.8978 TC3-3.6069 BAU .8690 SGT 6261.3 SGR 453.5 SG3 424.1 ST 3691.7 SR 222.6 SS 1614.9
 RDE .1451 RRA .2410 RC3 -.2470 FAU .03811 RRT .5086 RRF .4795 RTF .9820 CRT -.6637 CRS .6473 CST -.9997
 FDE-2.0972 FRA 2.5343 FC3-1.8352 BSP 19979 SGB 6277.7 R23 -.0254 R13 .9819 LSA 4032.0 MSA 170.0 SSA 15.7
 BDE 2.5693 BRA 2.9078 BC3 3.6153 FSP -1439 SG1 6265.6 SG2 -390.2 THA 2.12 EL1 3694.7 EL2 166.4 ALF 177.70

LAUNCH DATE MAY 20 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 568.041

RL 151.37 LAL -1.00 LOL 238.31 VL 26.686 GAL 7.02 AZL 93.07 HCA 261.55 SMA 127.44 ECC .22284 INC 3.0707 VI 29.434
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.790 GAP 9.24 AZP 89.55 TAL 153.77 TAP 55.32 RCA 99.04 APO 155.84 V2 35.256
 RC 136.791 GL -18.79 GP -6.22 ZAL 48.60 ZAP 160.36 ETS 342.69 ZAE 125.34 ETE 184.96 ZAC 107.81 ETC 13.44 CLP-161.33

PLANETOCENTRIC CONIC

C3 19.407 VHL 4.405 OLA -22.20 RAL 183.82 RAD 6567.8 VEL 11.865 PTH 2.10 VHP 6.402 DPA 5.700 RAP 159.14 ECC 1.3194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 4 39 1431.81 3.96 356.09 45.66 118.06 11 28 30 831.8 7.68 349.39
 90.00 16 29 59 5626.70 28.07 264.12 52.77 93.87 18 3 46 5026.7 28.31 255.47
 100.00 12 10 1 1220.83 2.43 339.74 44.81 119.80 12 30 22 620.8 6.37 333.18
 100.00 18 7 18 5312.92 29.82 241.14 52.88 92.13 19 35 51 4712.9 29.80 232.34
 110.00 12 45 11 1110.59 -1.22 329.11 42.54 124.16 13 3 41 510.6 3.27 322.90
 110.00 19 48 37 4995.91 34.12 217.06 52.87 87.74 21 11 53 4395.9 33.43 207.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6767 TRA 3.1137 TC3-3.3749 BAU .8774 SGT 6331.8 SGR 442.4 SG3 396.3 ST 3721.5 SR 242.3 SS 1563.7
 RDE .1698 RRA .2365 RC3 -.2172 FAU .03434 RRT .4474 RRF .4170 RTF .9816 CRT -.7068 CRS .6917 CST -.9997
 FDE-2.0164 FRA 2.5013 FC3-1.5317 BSP 20268 SGB 6347.3 R23 -.0267 R13 .9815 LSA 4040.1 MSA 174.5 SSA 15.4
 BDE 2.6821 BRA 3.1227 BC3 3.3819 FSP -1350 SG1 6334.9 SG2 395.4 THA 1.80 EL1 3725.4 EL2 171.2 ALF 177.36

LAUNCH DATE MAY 20 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 573.801

RL 151.37 LAL -.00 LOL 238.31 VL 26.659 GAL 7.46 AZL 93.13 HCA 264.79 SMA 127.27 ECC .22826 INC 3.1312 V1 29.434
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.769 GAP 9.74 AZP 89.72 TAL 152.81 TAP 57.60 RCA 98.22 APO 156.32 V2 35.254
 RC 138.949 GL -18.36 GP -5.91 ZAL 47.21 ZAP 161.84 ETS 341.97 ZAE 124.84 ETE 184.71 ZAC 106.01 ETC 13.50 CLP-162.79

PLANETOCENTRIC CONIC

C3 21.005 VHL 4.583 DLA -22.36 RAL 185.31 RAD 6567.9 VEL 11.933 PTH 2.12 VHP 6.675 DPA 5.34 RAP 160.92 ECC 1.3457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 12 49 1442.68 3.61 356.70 48.36 118.10 11 36 52 842.7 7.34 350.01
 90.00 16 33 41 5653.56 27.93 266.08 55.77 94.84 18 7 55 5053.6 28.31 257.43
 100.00 12 17 54 1232.65 2.03 340.39 47.48 119.83 12 38 26 632.6 5.98 333.83
 100.00 18 11 18 5338.83 29.74 243.07 55.91 93.14 19 40 17 4738.8 29.86 234.26
 110.00 12 52 34 1123.96 -1.73 329.81 45.14 124.14 13 11 18 524.0 2.76 323.60
 110.00 19 53 7 5020.28 34.17 218.96 56.00 88.87 21 16 48 4420.3 33.63 209.76

DIFFERENTIAL CORRECTIONS

TDE-2.7889 TRA 3.3442 TC3-3.1414 BAU .8838
 RDE .1947 RRA .2315 RC3 -.1902 FAU .03080
 FDE-1.9401 FRA 2.4734 FC3-1.2695 BSP 20521
 BDE 2.7957 BRA 3.3522 BC3 3.1471 FSP -1267

MID-COURSE EXECUTION ACCURACY

SGT 6394.1 SGR 433.2 SG3 370.8
 RRT .3857 RRF .3545 RTF .9812
 SGB 6408.8 R23 -.0275 R13 .9811
 SG1 6396.3 SG2 399.5 THA 1.50

ORBIT DETERMINATION ACCURACY

ST 3742.0 SR 261.0 SS 1513.9
 CRT -.7382 CRS .7241 CST -.9997
 LSA 4041.1 MSA 178.8 SSA 15.1
 EL1 3747.0 EL2 175.8 ALF 177.05

LAUNCH DATE MAY 20 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 579.507

RL 151.37 LAL -.00 LOL 238.31 VL 26.633 GAL 7.93 AZL 93.19 HCA 268.04 SMA 127.10 ECC .23410 INC 3.1911 V1 29.434
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.748 GAP 10.27 AZP 89.89 TAL 151.84 TAP 59.88 RCA 97.34 APO 156.85 V2 35.251
 RC 141.095 GL -17.91 GP -5.63 ZAL 45.84 ZAP 163.26 ETS 341.12 ZAE 124.37 ETE 184.49 ZAC 104.17 ETC 13.53 CLP-164.21

PLANETOCENTRIC CONIC

C3 22.797 VHL 4.775 DLA -22.49 RAL 186.78 RAD 6567.9 VEL 12.007 PTH 2.14 VHP 6.962 DPA 4.91 RAP 162.72 ECC 1.3752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 20 25 1456.36 3.17 357.47 51.09 118.15 11 44 41 856.4 6.91 350.78
 90.00 16 37 52 5679.46 27.77 267.95 58.80 95.77 18 12 32 5079.5 28.28 259.33
 100.00 12 25 16 1247.06 1.54 341.18 50.18 119.86 12 46 3 647.1 5.50 334.63
 100.00 18 15 42 5363.99 29.63 244.93 58.98 94.11 19 45 6 4764.0 29.89 236.13
 110.00 12 59 33 1139.57 -2.32 330.62 47.77 124.11 13 18 32 539.6 2.17 324.42
 110.00 19 57 55 5044.24 34.18 220.84 59.18 89.97 21 21 59 4444.2 33.80 211.61

DIFFERENTIAL CORRECTIONS

TDE-2.9029 TRA 3.5894 TC3-2.9095 BAU .8882
 RDE .2200 RRA .2260 RC3 -.1658 FAU .02752
 FDE-1.8689 FRA 2.4501 FC3-1.0451 BSP 20762
 BDE 2.9112 BRA 3.5965 BC3 2.9142 FSP -1191

MID-COURSE EXECUTION ACCURACY

SGT 6448.8 SGR 425.3 SG3 347.2
 RRT .3239 RRF .2924 RTF .9808
 SGB 6462.8 R23 -.0280 R13 .9808
 SG1 6450.3 SG2 402.3 THA 1.23

ORBIT DETERMINATION ACCURACY

ST 3754.7 SR 278.3 SS 1466.4
 CRT -.7618 CRS .7486 CST -.9997
 LSA 4036.3 MSA 182.7 SSA 14.8
 EL1 3760.7 EL2 180.0 ALF 176.76

LAUNCH DATE MAY 20 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 585.155

RL 151.37 LAL -.00 LOL 238.31 VL 26.606 GAL 8.43 AZL 93.25 HCA 271.29 SMA 126.92 ECC .24039 INC 3.2507 V1 29.434
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.725 GAP 10.82 AZP 90.07 TAL 150.86 TAP 62.15 RCA 96.41 APO 157.43 V2 35.247
 RC 143.232 GL -17.43 GP -5.38 ZAL 44.49 ZAP 164.63 ETS 340.10 ZAE 123.94 ETE 184.28 ZAC 102.29 ETC 13.56 CLP-165.58

PLANETOCENTRIC CONIC

C3 24.811 VHL 4.981 DLA -22.58 RAL 188.24 RAD 6568.0 VEL 12.091 PTH 2.16 VHP 7.265 DPA 4.44 RAP 164.55 ECC 1.4083
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 27 26 1472.78 2.65 358.39 53.83 118.20 11 51 59 872.8 6.40 351.71
 90.00 16 42 29 5704.47 27.59 269.76 61.87 96.65 18 17 33 5104.5 28.22 261.15
 100.00 12 32 7 1264.00 .96 342.11 52.90 119.88 12 53 11 664.0 4.93 335.57
 100.00 18 20 29 5388.48 29.50 246.74 62.09 95.06 19 50 17 4788.5 29.89 237.95
 110.00 13 6 8 1157.36 -3.00 331.55 50.42 124.07 13 25 25 557.4 1.49 325.35
 110.00 20 2 57 5067.88 34.17 222.68 62.38 91.07 21 27 25 4467.9 33.94 213.44

DIFFERENTIAL CORRECTIONS

TDE-3.0189 TRA 3.8507 TC3-2.6798 BAU .8901
 RDE .2457 RRA .2196 RC3 -.1436 FAU .02444
 FDE-1.8025 FRA 2.4312 FC3 -.8527 BSP 20963
 BDE 3.0289 BRA 3.8570 BC3 2.6836 FSP -1119

MID-COURSE EXECUTION ACCURACY

SGT 6495.9 SGR 418.5 SG3 325.5
 RRT .2621 RRF .2309 RTF .9805
 SGB 6509.4 R23 -.0282 R13 .9805
 SG1 6496.9 SG2 403.8 THA .97

ORBIT DETERMINATION ACCURACY

ST 3759.8 SR 294.3 SS 1421.0
 CRT -.7798 CRS .7674 CST -.9997
 LSA 4025.8 MSA 186.4 SSA 14.5
 EL1 3766.8 EL2 183.9 ALF 176.50

LAUNCH DATE MAY 20 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 590.737

RL 151.37 LAL -.00 LOL 238.31 VL 26.579 GAL 8.96 AZL 93.31 HCA 274.53 SMA 126.75 ECC .24719 INC 3.3105 V1 29.434
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.702 GAP 11.39 AZP 90.26 TAL 149.89 TAP 64.42 RCA 95.42 APO 158.08 V2 35.243
 RC 145.356 GL -16.94 GP -5.16 ZAL 43.17 ZAP 165.95 ETS 338.89 ZAE 123.53 ETE 184.10 ZAC 100.39 ETC 13.58 CLP-166.91

PLANETOCENTRIC CONIC

C3 27.081 VHL 5.204 DLA -22.63 RAL 189.67 RAD 6568.1 VEL 12.184 PTH 2.19 VHP 7.584 DPA 3.91 RAP 166.40 ECC 1.4457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 33 52 1491.87 2.03 359.45 56.59 118.25 11 58 44 891.9 5.79 352.79
 90.00 16 47 28 5728.68 27.38 271.50 64.96 97.50 18 22 57 5128.7 28.14 262.92
 100.00 12 38 27 1283.42 .30 343.17 55.63 119.89 12 59 50 683.4 4.28 336.64
 100.00 18 25 34 5412.37 29.34 248.50 65.23 95.97 19 55 47 4812.4 29.86 239.73
 110.00 13 12 18 1177.28 -3.76 332.59 53.10 124.00 13 31 55 577.3 .73 326.39
 110.00 20 8 13 5091.27 34.12 224.51 65.63 92.15 21 33 4 4491.3 34.04 215.26

DIFFERENTIAL CORRECTIONS

TDE-3.1340 TRA 4.1322 TC3-2.4494 BAU .8879
 RDE .2720 RRA .2122 RC3 -.1235 FAU .02144
 FDE-1.7382 FRA 2.4186 FC3 -.6855 BSP 21070
 BDE 3.1458 BRA 4.1377 BC3 2.4525 FSP -1047

MID-COURSE EXECUTION ACCURACY

SGT 6534.7 SGR 412.6 SG3 305.4
 RRT .2011 RRF .1708 RTF .9803
 SGB 6547.7 R23 -.0277 R13 .9802
 SG1 6535.2 SG2 404.2 THA .73

ORBIT DETERMINATION ACCURACY

ST 3754.9 SR 308.9 SS 1376.4
 CRT -.7936 CRS .7816 CST -.9998
 LSA 4006.6 MSA 189.8 SSA 14.2
 EL1 3762.9 EL2 187.6 ALF 176.25

LAUNCH DATE MAY 20 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 596.244

RL 151.37 LAL -0.00 LOL 238.31 VL 26.552 GAL 9.54 AZL 93.37 HCA 277.77 SMA 126.5H ECC .25453 INC 3.370H V1 29.434
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.678 GAP 11.99 AZP 90.46 TAL 148.92 TAP 66.69 RCA 94.36 APO 158.79 V2 35.237
 RC 147.469 GL -16.43 GP -4.95 ZAL 41.88 ZAP 167.23 ETS 337.44 ZAE 123.13 ETE 183.93 ZAC 98.46 ETC 13.59 CLP-168.21

PLANETOCENTRIC CONIC

C3 29.645 VHL 5.445 OLA -22.65 RAL 191.08 RAD 6568.2 VEL 12.289 PTH 2.21 VHP 7.923 DPA 3.35 RAP 168.26 ECC 1.4879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 39 42 1513.57 1.33 .66 59.36 118.29 12 4 56 913.6 5.10 354.01
 90.00 16 52 49 5752.14 27.16 273.19 68.08 98.32 18 28 42 5152.1 28.04 264.63
 100.00 12 44 15 1305.22 -.44 344.37 58.38 119.89 13 6 1 705.2 3.55 337.84
 100.00 18 30 58 5435.71 29.17 250.21 68.39 96.85 20 1 33 4835.7 29.81 241.46
 110.00 13 18 3 1199.26 -4.60 333.75 55.78 123.91 13 38 3 599.3 -.11 327.53
 110.00 20 13 39 5114.44 34.05 226.31 68.89 93.21 21 38 53 4514.4 34.12 217.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2568 TRA 4.4284 TC3-2.2309 BAU .8851 SGT 6568.5 SGR 407.2 SG3 286.9 ST 3747.8 SR -821.9 SS 1336.2
 RDE .2986 RRA .2036 RC3 -.1055 FAU .01877 RRT .1400 RRF .1108 RTF .9802 CRT -.8051 CRS .7937 CST -.9998
 FDE-1.6817 FRA 2.4079 FC3 -.5481 BSP 21250 SGB 6581.1 R23 -.0272 R13 .9802 LSA 3987.2 MSA 192.6 SSA 13.9
 BDE 3.2705 BRA 4.4331 BC3 2.2334 FSP -987 SG1 6568.7 SG2 403.2 THA .50 EL1 3756.8 EL2 190.5 ALF 176.03

LAUNCH DATE MAY 20 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 601.666

RL 151.37 LAL -0.00 LOL 238.31 VL 26.525 GAL 10.16 AZL 93.43 HCA 281.02 SMA 126.40 ECC .26249 INC 3.4320 V1 29.434
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.653 GAP 12.62 AZP 90.66 TAL 147.96 TAP 68.97 RCA 93.22 APO 159.58 V2 35.231
 RC 149.570 GL -15.90 GP -4.77 ZAL 40.62 ZAP 168.47 ETS 335.67 ZAE 122.75 ETE 183.77 ZAC 96.51 ETC 13.60 CLP-169.49

PLANETOCENTRIC CONIC

C3 32.551 VHL 5.705 OLA -22.64 RAL 192.45 RAD 6568.3 VEL 12.407 PTH 2.24 VHP 8.282 DPA 2.75 RAP 170.14 ECC 1.5357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 44 58 1537.78 .55 2.01 62.13 118.31 12 10 36 937.8 4.33 355.37
 90.00 16 58 29 5774.91 26.93 274.81 71.23 99.10 18 34 44 5174.9 27.91 266.28
 100.00 12 49 33 1329.35 -1.25 345.69 61.13 119.87 13 11 42 729.3 2.73 339.17
 100.00 18 36 36 5458.58 28.97 251.88 71.57 97.71 20 7 34 4858.6 29.73 243.16
 110.00 13 23 23 1223.24 -5.51 335.01 58.48 123.79 13 43 47 623.2 -1.03 328.78
 110.00 20 19 14 5137.45 33.95 228.10 72.18 94.27 21 44 52 4537.4 34.17 218.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.3832 TRA 4.7447 TC3-2.0178 BAU .8790 SGT 6595.1 SGR 402.3 SG3 269.8 ST 3734.5 SR 333.3 SS 1298.4
 RDE .3258 RRA .1935 RC3 -.0895 FAU .01623 RRT .0793 RRF .0518 RTF .9802 CRT -.8145 CRS .8035 CST -.9998
 FDE-1.6295 FRA 2.4014 FC3 -.4317 BSP 21403 SGB 6607.4 R23 -.0263 R13 .9802 LSA 3963.0 MSA 194.8 SSA 13.5
 BDE 3.3988 BRA 4.7486 BC3 2.0198 FSP -929 SG1 6595.2 SG2 401.0 THA .28 EL1 3744.4 EL2 192.8 ALF 175.83

LAUNCH DATE MAY 20 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 606.991

RL 151.37 LAL -0.00 LOL 238.31 VL 26.497 GAL 10.82 AZL 93.49 HCA 284.26 SMA 126.23 ECC .27112 INC 3.4946 V1 29.434
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.628 GAP 13.29 AZP 90.86 TAL 147.01 TAP 71.27 RCA 92.01 APO 160.45 V2 35.225
 RC 151.657 GL -15.36 GP -4.60 ZAL 39.40 ZAP 169.67 ETS 333.48 ZAE 122.39 ETE 183.62 ZAC 94.55 ETC 13.62 CLP-170.75

PLANETOCENTRIC CONIC

C3 35.854 VHL 5.988 OLA -22.59 RAL 193.78 RAD 6568.4 VEL 12.539 PTH 2.27 VHP 8.666 DPA 2.12 RAP 172.03 ECC 1.5901
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 49 39 1564.41 -.31 3.50 64.90 118.32 12 15 43 964.4 3.48 356.86
 90.00 17 4 25 5797.06 26.68 276.38 74.38 99.85 18 41 2 5197.1 27.77 267.89
 100.00 12 54 19 1355.70 -2.15 347.14 63.88 119.82 13 16 54 755.7 1.84 340.62
 100.00 18 42 27 5481.00 28.75 253.51 74.76 98.55 20 13 48 4881.0 29.64 244.82
 110.00 13 28 18 1249.15 -6.49 336.37 61.19 123.64 13 49 7 649.2 -2.02 330.13
 110.00 20 24 57 5160.32 33.82 229.88 75.48 95.31 21 50 57 4560.3 34.18 220.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.5149 TRA 5.0824 TC3-1.8121 BAU .8693 SGT 6615.5 SGR 397.6 SG3 253.9 ST 3716.6 SR 343.0 SS 1263.6
 RDE .3536 RRA .1818 RC3 -.0753 FAU .01384 RRT .0190 RRF -.0065 RTF .9803 CRT -.8224 CRS .8118 CST -.9998
 FDE-1.5821 FRA 2.3993 FC3 -.3342 BSP 21537 SGB 6627.5 R23 -.0253 R13 .9803 LSA 3935.5 MSA 196.4 SSA 13.2
 BDE 3.5326 BRA 5.0857 BC3 1.8136 FSP -876 SG1 6615.5 SG2 397.5 THA .07 EL1 3727.3 EL2 194.6 ALF 175.65

LAUNCH DATE MAY 20 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 612.204

RL 151.37 LAL -0.00 LOL 238.31 VL 26.470 GAL 11.53 AZL 93.56 HCA 287.50 SMA 126.06 ECC .28051 INC 3.5589 V1 29.434
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.602 GAP 14.00 AZP 91.07 TAL 146.08 TAP 73.58 RCA 90.70 APO 161.42 V2 35.217
 RC 153.730 GL -14.82 GP -4.44 ZAL 38.22 ZAP 170.84 ETS 330.73 ZAE 122.02 ETE 183.48 ZAC 92.58 ETC 13.64 CLP-171.99

PLANETOCENTRIC CONIC

C3 39.622 VHL 6.295 OLA -22.51 RAL 195.06 RAD 6568.5 VEL 12.688 PTH 2.31 VHP 9.076 DPA 1.46 RAP 173.91 ECC 1.6521
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 53 45 1593.35 -1.25 5.11 67.66 118.29 12 20 18 993.4 2.55 358.48
 90.00 17 10 36 5818.62 26.42 277.91 77.54 100.58 18 47 34 5218.6 27.61 269.45
 100.00 12 58 33 1384.18 -3.11 348.70 66.63 119.75 13 21 37 784.2 .87 342.18
 100.00 18 48 28 5503.02 28.52 255.11 77.96 99.35 20 20 11 4903.0 29.52 246.45
 110.00 13 32 46 1276.91 -7.53 337.85 63.90 123.44 13 54 3 676.9 -3.08 331.58
 110.00 20 30 45 5183.06 33.66 231.63 78.78 96.34 21 57 8 4583.1 34.17 222.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.6485 TRA 5.4483 TC3-1.6099 BAU .8534 SGT 6629.9 SGR 393.2 SG3 239.2 ST 3691.4 SR 351.3 SS 1230.4
 RDE .3820 RRA .1682 RC3 -.0627 FAU .01146 RRT -.0402 RRF -.0632 RTF .9805 CRT -.8287 CRS .8184 CST -.9998
 FDE-1.5368 FRA 2.4041 FC3 -.2504 BSP 21557 SGB 6641.6 R23 .0237 R13 -.9805 LSA 3901.8 MSA 197.7 SSA 12.9
 BDE 3.6684 BRA 5.4509 BC3 1.6111 FSP -822 SG1 6629.9 SG2 392.9 THA 179.86 EL1 3702.9 EL2 196.0 ALF 175.48

LAUNCH DATE MAY 21 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 30 1967

HELIOCENTRIC CONIC

DISTANCE 140.088

RL 151.40 LAL -1.00 LOL 239.28 VL 18.386 GAL 13.82 AZL 92.34 HCA 47.71 SMA 93.78 ECC .64262 INC 2.3361 VI 29.42H
 RP 108.88 LAP -1.73 LOP 286.96 VP 31.980 GAP -39.08 AZP 91.57 TAL 172.00 TAP 219.71 RCA 33.52 APO 154.05 V2 34.805
 RC 60.850 GL -3.39 GP 1.48 ZAL 70.76 ZAP 26.28 ETS 184.87 ZAE 150.00 ETE 166.16 ZAC 130.08 ETC 21.92 CLP 26.24

PLANETOCENTRIC CONIC

C3 151.214 VHL 12.297 DLA 1.41 RAL 168.15 RAD 6570.6 VEL 16.509 PTH 2.88 VHP 22.590 DPA 21.01 RAP 136.94 ECC 3.4886
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 25 2730.04 -27.85 76.73 64.22 95.34 7 16 55 2130.0 -26.82 68.22
 90.00 18 50 18 5286.91 27.14 239.41 62.80 81.59 20 18 25 4686.9 25.70 231.04
 100.00 7 53 25 2465.56 -29.38 57.12 64.05 95.78 8 34 31 1865.6 -28.27 48.49
 100.00 20 10 59 5026.63 28.66 220.01 62.54 81.11 21 34 46 4426.6 27.13 211.54
 110.00 9 3 10 2247.25 -33.54 40.00 63.50 97.02 9 40 37 1647.2 -32.21 31.02
 110.00 21 17 44 4817.70 32.79 203.34 61.73 79.74 22 38 1 4217.7 31.02 194.56

DIFFERENTIAL CORRECTIONS

TDE .6236 TRA-1.5206 TC3 -.1035 BAU .2140
 RDE -.8523 RRA -.4469 RC3 .0224 FAU .01401
 FDE -.3226 FRA .5839 FC3 -.0802 BSP 2119
 BDE 1.0561 BRA 1.5849 BC3 .1059 FSP -66

MID-COURSE EXECUTION ACCURACY

SGT 807.1 SGR 451.8 SG3 31.8
 RRT .0499 RRF -.0472 RTF -.6270
 SGB 925.0 R23 -.0017 R13 -.6272
 SG1 807.6 SG2 451.0 THA 2.33

ORBIT DETERMINATION ACCURACY

ST 360.1 SR 402.0 SS 334.1
 CRT -.7053 CRS -.7933 CST .9895
 LSA 594.4 MSA 222.2 SSA 13.9
 EL1 499.0 EL2 205.7 ALF 130.56

LAUNCH DATE MAY 21 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 146.105

RL 151.40 LAL -1.00 LOL 239.28 VL 19.036 GAL 13.28 AZL 92.43 HCA 50.88 SMA 95.42 ECC .61540 INC 2.4321 VI 29.42H
 RP 108.90 LAP -1.89 LOP 290.13 VP 32.352 GAP -37.23 AZP 91.54 TAL 171.37 TAP 222.24 RCA 36.70 APO 154.15 V2 34.800
 RC 58.919 GL -3.87 GP 1.53 ZAL 69.78 ZAP 24.76 ETS 185.10 ZAE 150.87 ETE 164.68 ZAC 128.53 ETC 21.38 CLP 24.71

PLANETOCENTRIC CONIC

C3 136.026 VHL 11.663 DLA .58 RAL 168.87 RAD 6570.5 VEL 16.042 PTH 2.83 VHP 21.649 DPA 20.63 RAP 138.64 ECC 3.2386
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 40 25 2685.07 -27.52 73.48 63.03 96.94 7 25 10 2085.1 -26.28 65.04
 90.00 18 47 7 5292.87 27.20 239.84 62.45 81.80 20 15 19 4692.9 25.78 231.46
 100.00 8 2 2 2421.81 -29.04 53.91 62.82 97.43 8 42 24 1821.8 -27.71 45.36
 100.00 20 8 11 5031.36 28.71 220.35 62.20 81.29 21 32 2 4431.4 27.21 211.87
 110.00 9 10 54 2206.25 -33.15 36.86 62.13 98.84 9 47 40 1606.2 -31.58 27.99
 110.00 21 15 48 4819.69 32.81 203.49 61.40 79.82 22 36 8 4219.7 31.06 194.71

DIFFERENTIAL CORRECTIONS

TDE .6222 TRA-1.5191 TC3 -.1082 BAU .2023
 RDE -.8145 RRA -.4310 RC3 .0259 FAU .01426
 FDE -.3381 FRA .6035 FC3 -.0908 BSP 2218
 BDE 1.0249 BRA 1.5790 BC3 .1112 FSP -73

MID-COURSE EXECUTION ACCURACY

SGT 845.0 SGR 456.7 SG3 34.6
 RRT .0530 RRF -.0499 RTF -.6461
 SGB 960.5 R23 -.0015 R13 -.6463
 SG1 845.5 SG2 455.8 THA 2.31

ORBIT DETERMINATION ACCURACY

ST 379.0 SR 405.1 SS 352.6
 CRT -.7040 CRS -.7960 CST .9887
 LSA 616.5 MSA 227.5 SSA 14.1
 EL1 512.3 EL2 212.8 ALF 132.29

LAUNCH DATE MAY 21 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 152.202

RL 151.40 LAL -1.00 LOL 239.28 VL 19.641 GAL 12.73 AZL 92.52 HCA 54.04 SMA 97.06 ECC .58893 INC 2.5198 VI 29.42H
 RP 108.91 LAP -2.04 LOP 293.29 VP 32.708 GAP -35.48 AZP 91.48 TAL 170.76 TAP 224.80 RCA 39.90 APO 154.22 V2 34.795
 RC 57.057 GL -4.37 GP 1.58 ZAL 68.87 ZAP 23.25 ETS 185.39 ZAE 151.86 ETE 162.99 ZAC 126.95 ETC 20.87 CLP 23.20

PLANETOCENTRIC CONIC

C3 122.431 VHL 11.065 DLA -.24 RAL 169.53 RAD 6570.3 VEL 15.613 PTH 2.78 VHP 20.743 DPA 20.22 RAP 140.35 ECC 3.0149
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 7 2639.25 -27.10 70.20 61.73 98.53 7 33 6 2039.2 -25.64 61.83
 90.00 18 43 38 5297.98 27.25 240.20 61.97 81.97 20 11 56 4698.0 25.85 231.81
 100.00 8 10 20 2377.22 -28.60 50.67 61.47 99.08 8 49 58 1777.2 -27.05 42.21
 100.00 20 5 5 5035.24 28.75 220.63 61.72 81.43 21 29 0 4435.2 27.26 212.15
 110.00 9 18 20 2164.39 -32.67 33.69 60.65 100.66 9 54 24 1564.4 -30.86 24.94
 110.00 21 13 35 4820.83 32.82 203.58 60.94 79.87 22 33 55 4220.8 31.08 194.79

DIFFERENTIAL CORRECTIONS

TDE .6231 TRA-1.5145 TC3 -.1116 BAU .1891
 RDE -.7771 RRA -.4148 RC3 .0299 FAU .01456
 FDE -.3545 FRA .6229 FC3 -.1029 BSP 2377
 BDE .9961 BRA 1.5703 BC3 .1155 FSP -81

MID-COURSE EXECUTION ACCURACY

SGT 883.3 SGR 460.9 SG3 37.6
 RRT .0547 RRF -.0522 RTF -.6654
 SGB 996.3 R23 -.0023 R13 -.6656
 SG1 883.7 SG2 460.0 THA 2.24

ORBIT DETERMINATION ACCURACY

ST 399.4 SR 407.5 SS 372.1
 CRT -.7047 CRS -.7992 CST .9882
 LSA 640.3 MSA 232.0 SSA 14.3
 EL1 526.8 EL2 219.2 ALF 134.18

LAUNCH DATE MAY 21 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 158.373

RL 151.40 LAL -1.00 LOL 239.28 VL 20.206 GAL 12.19 AZL 92.60 HCA 57.20 SMA 98.68 ECC .56329 INC 2.6008 VI 29.42H
 RP 108.92 LAP -2.19 LOP 296.45 VP 33.046 GAP -33.82 AZP 91.41 TAL 170.17 TAP 227.37 RCA 43.10 APO 154.27 V2 34.792
 RC 55.270 GL -4.90 GP 1.64 ZAL 68.04 ZAP 21.76 ETS 185.73 ZAE 152.96 ETE 161.06 ZAC 125.36 ETC 20.38 CLP 21.70

PLANETOCENTRIC CONIC

C3 110.254 VHL 10.500 DLA -1.06 RAL 170.10 RAD 6570.1 VEL 15.218 PTH 2.73 VHP 19.871 DPA 19.81 RAP 142.06 ECC 2.8145
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 31 2592.58 -26.59 66.88 60.33 100.12 7 40 43 1992.6 -24.92 58.61
 90.00 18 39 50 5302.32 27.29 240.51 61.34 82.12 20 8 12 4702.3 25.92 232.12
 100.00 8 18 22 2331.78 -28.07 47.39 60.02 100.73 8 57 13 1731.8 -26.30 39.04
 100.00 20 1 40 5038.35 28.78 220.86 61.10 81.55 21 25 38 4438.3 27.31 212.36
 110.00 9 25 28 2121.70 -32.09 30.49 59.07 102.47 10 0 50 1521.7 -30.04 21.88
 110.00 21 11 3 4821.19 32.83 203.61 60.33 79.89 22 31 24 4221.2 31.09 194.82

DIFFERENTIAL CORRECTIONS

TDE .6242 TRA-1.5093 TC3 -.1142 BAU .1758
 RDE -.7403 RRA -.3984 RC3 .0344 FAU .01488
 FDE -.3716 FRA .6424 FC3 -.1168 BSP 2541
 BDE .9684 BRA 1.5609 BC3 .1192 FSP -90

MID-COURSE EXECUTION ACCURACY

SGT 923.0 SGR 464.4 SG3 40.9
 RRT .0564 RRF -.0547 RTF -.6841
 SGB 1033.3 R23 -.0031 R13 -.6843
 SG1 923.5 SG2 463.4 THA 2.17

ORBIT DETERMINATION ACCURACY

ST 420.9 SR 409.2 SS 392.4
 CRT -.7054 CRS -.8023 CST .9877
 LSA 665.3 MSA 236.0 SSA 14.5
 EL1 542.1 EL2 225.2 ALF 136.14

LAUNCH DATE MAY 21 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 164.614

RL 151.40 LAL -.00 LOL 239.28 VL 20.733 GAL 11.66 AZL 92.68 HCA 60.36 SMA 100.29 ECC .53850 INC 2.6762 V1 29.428
 RP 108.93 LAP -2.33 LOP 299.61 VP 33.367 GAP -32.25 AZP 91.32 TAL 169.61 TAP 229.98 RCA 46.28 APO 154.29 V2 34.789
 RC 53.566 GL -5.46 GP 1.70 ZAL 67.27 ZAP 20.28 ETS 186.14 ZAE 154.16 ETE 158.82 ZAC 123.75 ETC 19.91 CLP 20.22

PLANETOCENTRIC CONIC

C3 99.340 VHL 9.967 DLA -1.89 RAL 170.60 RAD 6569.9 VEL 14.855 PTH 2.68 VHP 19.031 DPA 19.38 RAP 143.78 ECC 2.6349
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 38 2545.06 -25.97 63.53 58.82 101.69 7 48 3 1945.1 -24.10 55.37
 90.00 18 35 42 5305.99 27.32 240.78 60.59 82.25 20 4 8 4706.0 25.97 232.37
 100.00 8 26 6 2285.50 -27.44 44.10 58.47 102.35 9 4 11 1685.5 -25.46 35.86
 100.00 19 57 55 5040.79 28.80 221.04 60.35 81.64 21 21 56 4440.8 27.35 212.54
 110.00 9 32 20 2078.18 -31.40 27.29 57.39 104.25 10 6 58 1478.2 -29.13 18.82
 110.00 21 8 11 4820.88 32.82 203.58 59.59 79.87 22 28 32 4220.9 31.08 194.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6233 TRA-1.5052 TC3 -.1166 BAU .1634 SGT 965.4 SGR 467.2 SG3 44.5 ST 442.6 SR 410.2 SS 413.4
 RDE -.7042 RRA -.3819 RC3 .0394 FAU .01523 RRT .0596 RRF -.0575 RTF -.7011 CRT -.7048 CRS -.8054 CST .9869
 FDE -.3893 FRA .6624 FC3 -.1327 BSP 2657 SGB 1072.5 R23 -.0030 R13 -.7013 LSA 690.9 MSA 239.8 SSA 14.8
 BDE .9404 BRA 1.5529 BC3 .1230 FSP -99 SG1 965.9 SG2 466.1 THA 2.16 EL1 557.5 EL2 231.0 ALF 138.08

LAUNCH DATE MAY 21 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 170.918

RL 151.40 LAL -.00 LOL 239.28 VL 21.224 GAL 11.14 AZL 92.75 HCA 63.52 SMA 101.88 ECC .51462 INC 2.7470 V1 29.428
 RP 108.94 LAP -2.46 LOP 302.77 VP 33.673 GAP -30.74 AZP 91.23 TAL 169.09 TAP 232.61 RCA 49.45 APO 154.30 V2 34.786
 RC 51.953 GL -6.05 GP 1.77 ZAL 66.58 ZAP 18.82 ETS 186.64 ZAE 155.47 ETE 156.21 ZAC 122.13 ETC 19.47 CLP 18.74

PLANETOCENTRIC CONIC

C3 89.554 VHL 9.463 DLA -2.72 RAL 171.02 RAD 6569.8 VEL 14.522 PTH 2.64 VHP 18.220 DPA 18.93 RAP 145.51 ECC 2.4738
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 28 2496.72 -25.26 60.17 57.22 103.23 7 55 5 1896.7 -23.19 52.11
 90.00 18 31 13 5309.13 27.35 241.00 59.70 82.36 19 59 42 4709.1 26.01 232.59
 100.00 8 33 33 2238.41 -26.71 40.79 56.83 103.95 9 10 51 1638.4 -24.53 32.67
 100.00 19 53 50 5042.68 28.82 221.17 59.47 81.71 21 17 52 4442.7 27.37 212.67
 110.00 9 38 53 2033.86 -30.62 24.07 55.64 106.00 10 12 47 1433.9 -28.12 15.77
 110.00 21 4 59 4819.98 32.81 203.51 58.71 79.84 22 25 19 4220.0 31.06 194.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6243 TRA-1.4983 TC3 -.1170 BAU .1501 SGT 1008.3 SGR 469.3 SG3 48.4 ST 466.0 SR 410.3 SS 435.6
 RDE -.6687 RRA -.3654 RC3 .0450 FAU .01562 RRT .0618 RRF -.0603 RTF -.7182 CRT -.7058 CRS -.8087 CST .9863
 FDE -.4082 FRA .6823 FC3 -.1510 BSP 2824 SGB 1112.2 R23 -.0037 R13 -.7184 LSA 718.4 MSA 242.6 SSA 15.0
 BDE .9149 BRA 1.5422 BC3 .1254 FSP -110 SG1 1008.9 SG2 468.1 THA 2.10 EL1 574.4 EL2 235.8 ALF 140.13

LAUNCH DATE MAY 21 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 177.282

RL 151.40 LAL -.00 LOL 239.28 VL 21.682 GAL 10.63 AZL 92.81 HCA 66.69 SMA 103.44 ECC .49166 INC 2.8139 V1 29.428
 RP 108.94 LAP -2.58 LOP 305.94 VP 33.962 GAP -29.31 AZP 91.11 TAL 168.59 TAP 235.28 RCA 52.58 APO 154.29 V2 34.785
 RC 50.440 GL -6.68 GP 1.85 ZAL 65.97 ZAP 17.37 ETS 187.26 ZAE 156.86 ETE 153.12 ZAC 120.50 ETC 19.06 CLP 17.27

PLANETOCENTRIC CONIC

C3 80.778 VHL 8.988 DLA -3.55 RAL 171.37 RAD 6569.6 VEL 14.217 PTH 2.59 VHP 17.439 DPA 18.48 RAP 147.23 ECC 2.3294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 3 2447.58 -24.46 56.80 55.54 104.74 8 1 51 1847.6 -22.19 48.86
 90.00 18 26 21 5311.86 27.37 241.20 58.69 82.46 19 54 53 4711.9 26.05 232.78
 100.00 8 40 44 2190.53 -25.88 37.47 55.12 105.51 9 17 15 1590.5 -23.50 29.48
 100.00 19 49 22 5044.14 28.84 221.28 58.46 81.76 21 13 26 4444.1 27.40 212.77
 110.00 9 45 10 1988.80 -29.73 20.87 53.82 107.71 10 18 19 1388.8 -27.02 12.72
 110.00 21 1 25 4818.64 32.80 203.41 57.71 79.78 22 21 43 4218.6 31.04 194.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6260 TRA-1.4898 TC3 -.1157 BAU .1367 SGT 1052.6 SGR 470.6 SG3 52.7 ST 490.7 SR 409.6 SS 458.9
 RDE -.6339 RRA -.3489 RC3 .0512 FAU .01606 RRT .0639 RRF -.0633 RTF -.7349 CRT -.7075 CRS -.8121 CST .9858
 FDE -.4283 FRA .7024 FC3 -.1721 BSP 2998 SGB 1153.0 R23 -.0047 R13 -.7350 LSA 747.6 MSA 244.8 SSA 15.1
 BDE .8909 BRA 1.5301 BC3 .1265 FSP -121 SG1 1053.2 SG2 469.4 THA 2.04 EL1 592.5 EL2 239.7 ALF 142.20

LAUNCH DATE MAY 21 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 183.699

RL 151.40 LAL -.00 LOL 239.28 VL 22.110 GAL 10.13 AZL 92.88 HCA 69.85 SMA 104.97 ECC .46963 INC 2.8778 V1 29.428
 RP 108.94 LAP -2.70 LOP 309.10 VP 34.235 GAP -27.93 AZP 90.99 TAL 168.14 TAP 237.98 RCA 55.67 APO 154.26 V2 34.784
 RC 49.035 GL -7.35 GP 1.93 ZAL 65.44 ZAP 15.92 ETS 188.03 ZAE 158.32 ETE 149.43 ZAC 118.86 ETC 18.66 CLP 15.81

PLANETOCENTRIC CONIC

C3 72.908 VHL 8.539 DLA -4.39 RAL 171.62 RAD 6569.4 VEL 13.938 PTH 2.54 VHP 16.685 DPA 18.02 RAP 148.95 ECC 2.1999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 22 2397.66 -23.55 53.42 53.79 106.20 8 8 20 1797.7 -21.10 45.60
 90.00 18 21 6 5314.35 27.40 241.38 57.56 82.54 19 49 40 4714.3 26.08 232.96
 100.00 8 47 39 2141.91 -24.95 34.16 53.33 107.02 9 23 21 1541.9 -22.39 26.30
 100.00 19 44 30 5045.34 28.85 221.37 57.34 81.81 21 8 35 4445.3 27.41 212.86
 110.00 9 51 11 1943.04 -28.74 17.67 51.94 109.36 10 23 34 1343.0 -25.82 9.70
 110.00 20 57 28 4816.97 32.78 203.29 56.59 79.71 22 17 45 4217.0 31.01 194.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6280 TRA-1.4799 TC3 -.1125 BAU .1234 SGT 1098.3 SGR 471.1 SG3 57.3 ST 516.6 SR 408.0 SS 483.4
 RDE -.5997 RRA -.3326 RC3 .0582 FAU .01655 RRT .0662 RRF -.0665 RTF -.7507 CRT -.7095 CRS -.8157 CST .9854
 FDE -.4497 FRA .7227 FC3 -.1965 BSP 3185 SGB 1195.1 R23 -.0057 R13 -.7509 LSA 778.6 MSA 246.2 SSA 15.3
 BDE .8684 BRA 1.5168 BC3 .1266 FSP -134 SG1 1098.9 SG2 469.8 THA 1.99 EL1 611.9 EL2 242.8 ALF 144.28

LAUNCH DATE MAY 21 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 190.165

RL 151.40 LAL -1.00 LOL 239.28 VL 22.508 GAL 9.64 AZL 92.94 MCA 73.01 SMA 106.47 ECC .44856 INC 2.9391 V1 29.428
 RP 108.94 LAP -2.81 LOP 312.26 VP 34.494 GAP -26.62 A7P 90.86 TAL 167.71 TAP 240.72 RCA 58.71 APO 154.22 V2 34.784
 RC 47.750 GL -8.06 GP 2.02 ZAL 64.99 ZAP 14.48 ETS 188.99 ZAE 159.82 ETE 144.98 ZAC 117.21 ETC 18.28 CLP 14.35

PLANETOCENTRIC CONIC

C3 65.852 VHL 8.115 DLA -5.23 RAL 171.80 RAD 6569.3 VEL 13.682 PTH 2.50 VHP 15.958 DPA 17.55 RAP 150.67 ECC 2.0838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 27 2347.03 -22.55 50.05 51.98 107.60 8 14 34 1747.0 -19.93 42.36
 90.00 18 15 24 5316.74 27.42 241.55 56.32 82.63 19 44 1 4716.7 26.11 233.13
 100.00 8 54 20 2092.59 -23.93 30.85 51.49 108.47 9 29 12 1492.6 -21.18 23.13
 100.00 19 39 13 5046.42 28.86 221.45 56.09 81.85 21 3 19 4446.4 27.43 212.93
 110.00 9 56 55 1896.64 -27.65 14.50 50.02 110.95 10 28 32 1296.6 -24.55 6.70
 110.00 20 53 7 4815.14 32.76 203.15 55.35 79.63 22 13 22 4215.1 30.98 194.38

DIFFERENTIAL CORRECTIONS

TDE .6303 TRA-1.4687 TC3 -.1071 BAU .1107
 RDE -.5664 RRA -.3164 RC3 .0659 FAU .01709
 FDE -.4726 FRA .7433 FC3 -.2246 BSP 3366
 BDE .8474 BRA 1.5024 BC3 .1258 FSP -148

MID-COURSE EXECUTION ACCURACY

SGT 1145.7 SGR 470.8 SG3 62.4
 RRT .0688 RRF -.0700 RTF -.7658
 SGB 1238.7 R23 -.0067 R13 -.7660
 SGI 1146.2 SG2 469.5 THA 1.94

ORBIT DETERMINATION ACCURACY

ST 543.7 SR 405.5 SS 509.3
 CRT -.7118 CRS -.8195 CST .9849
 LSA 811.4 MSA 246.9 SSA 15.5
 EL1 632.6 EL2 244.8 ALF 146.34

LAUNCH DATE MAY 21 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 196.675

RL 151.40 LAL -1.00 LOL 239.28 VL 22.879 GAL 9.17 AZL 93.00 MCA 76.17 SMA 107.92 ECC .42843 INC 2.9984 V1 29.428
 RP 108.94 LAP -2.91 LOP 315.42 VP 34.738 GAP -25.36 A7P 90.72 TAL 167.33 TAP 243.50 RCA 61.69 APO 154.16 V2 34.785
 RC 46.594 GL -8.81 GP 2.12 ZAL 64.63 ZAP 13.06 ETS 190.23 ZAE 161.30 ETE 139.58 ZAC 115.55 ETC 17.93 CLP 12.89

PLANETOCENTRIC CONIC

C3 59.527 VHL 7.715 DLA -6.09 RAL 171.88 RAD 6569.1 VEL 13.449 PTH 2.46 VHP 15.256 DPA 17.08 RAP 152.38 ECC 1.9797
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 18 2295.73 -21.45 46.69 50.12 108.94 8 20 33 1695.7 -18.67 39.12
 90.00 18 9 15 5319.24 27.44 241.73 54.97 82.72 19 37 55 4719.2 26.15 233.30
 100.00 9 0 45 2042.64 -22.81 27.56 49.60 109.86 9 34 48 1442.6 -19.90 19.98
 100.00 19 33 29 5047.57 28.87 221.53 54.75 81.89 20 57 37 4447.6 27.45 213.02
 110.00 10 2 23 1849.67 -26.46 11.36 48.05 112.47 10 33 13 1249.7 -23.18 3.74
 110.00 20 48 21 4813.30 32.73 203.01 54.01 79.55 22 8 34 4213.3 30.94 194.24

DIFFERENTIAL CORRECTIONS

TDE .6305 TRA-1.4585 TC3 -.1007 BAU .0996
 RDE -.5338 RRA -.3006 RC3 .0744 FAU .01766
 FDE -.4968 FRA .7647 FC3 -.2569 BSP 3497
 BDE .8261 BRA 1.4891 BC3 .1252 FSP -163

MID-COURSE EXECUTION ACCURACY

SGT 1195.7 SGR 469.8 SG3 68.0
 RRT .0732 RRF -.0743 RTF -.7791
 SGB 1284.7 R23 -.0070 R13 -.7793
 SGI 1196.3 SG2 468.3 THA 1.94

ORBIT DETERMINATION ACCURACY

ST 571.0 SR 402.1 SS 536.4
 CRT -.7126 CRS -.8230 CST .9841
 LSA 844.9 MSA 247.5 SSA 15.7
 EL1 653.4 EL2 246.5 ALF 148.33

LAUNCH DATE MAY 21 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 203.224

RL 151.40 LAL -1.00 LOL 239.28 VL 23.226 GAL 8.71 AZL 93.06 MCA 79.33 SMA 109.34 ECC .40924 INC 3.0561 V1 29.428
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.969 GAP -24.16 A7P 90.57 TAL 166.99 TAP 246.32 RCA 64.60 APO 154.09 V2 34.786
 RC 45.578 GL -9.60 GP 2.23 ZAL 64.35 ZAP 11.63 ETS 191.84 ZAE 162.71 ETE 133.00 ZAC 113.90 ETC 17.59 CLP 11.42

PLANETOCENTRIC CONIC

C3 53.861 VHL 7.339 DLA -6.95 RAL 171.88 RAD 6568.9 VEL 13.237 PTH 2.42 VHP 14.579 DPA 16.60 RAP 154.09 ECC 1.8864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 55 2243.82 -20.27 43.34 48.22 110.21 8 26 19 1643.8 -17.33 35.90
 90.00 18 2 38 5322.03 27.46 241.93 53.52 82.81 19 31 20 4722.0 26.18 233.50
 100.00 9 6 56 1992.12 -21.61 24.29 47.68 111.17 9 40 8 1392.1 -18.54 16.84
 100.00 19 27 18 5048.96 28.88 221.63 53.30 81.94 20 51 27 4449.0 27.47 213.11
 110.00 10 7 35 1802.22 -25.19 8.26 46.06 113.91 10 37 38 1202.2 -21.74 .81
 110.00 20 43 8 4811.63 32.71 202.88 52.57 79.48 22 3 19 4211.6 30.91 194.12

DIFFERENTIAL CORRECTIONS

TDE .6336 TRA-1.4442 TC3 -.0897 BAU .0884
 RDE -.5020 RRA -.2851 RC3 .0838 FAU .01833
 FDE -.5235 FRA .7860 FC3 -.2946 BSP 3690
 BDE .8084 BRA 1.4720 BC3 .1227 FSP -181

MID-COURSE EXECUTION ACCURACY

SGT 1245.8 SGR 467.9 SG3 74.1
 RRT .0765 RRF -.0787 RTF -.7927
 SGB 1330.8 R23 -.0082 R13 -.7929
 SGI 1246.4 SG2 466.4 THA 1.91

ORBIT DETERMINATION ACCURACY

ST 600.7 SR 397.7 SS 565.5
 CRT -.7157 CRS -.8269 CST .9837
 LSA 881.8 MSA 246.7 SSA 15.8
 EL1 676.9 EL2 246.4 ALF 150.33

LAUNCH DATE MAY 21 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 209.808

RL 151.40 LAL -1.00 LOL 239.28 VL 23.548 GAL 8.27 AZL 93.11 MCA 82.49 SMA 110.72 ECC .39100 INC 3.1126 V1 29.428
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.186 GAP -23.00 A7P 90.41 TAL 166.69 TAP 249.18 RCA 67.43 APO 154.01 V2 34.788
 RC 44.711 GL -10.44 GP 2.34 ZAL 64.15 ZAP 10.22 ETS 193.98 ZAE 163.94 ETE 125.04 ZAC 112.24 ETC 17.27 CLP 9.95

PLANETOCENTRIC CONIC

C3 48.789 VHL 6.985 DLA -7.82 RAL 171.79 RAD 6568.8 VEL 13.044 PTH 2.38 VHP 13.924 DPA 16.13 RAP 155.78 ECC 1.8029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 19 2191.36 -19.00 40.02 46.28 111.40 8 31 51 1591.4 -15.92 32.69
 90.00 17 55 30 5325.30 27.49 242.17 51.98 82.93 19 24 15 4725.3 26.23 233.73
 100.00 9 12 54 1941.11 -20.32 21.05 45.72 112.41 9 45 15 1341.1 -17.10 13.73
 100.00 19 20 36 5050.79 28.90 221.77 51.77 82.01 20 44 47 4450.8 27.49 213.24
 110.00 10 12 32 1754.36 -23.83 5.20 44.04 115.26 10 41 47 1154.4 -20.23 357.91
 110.00 20 37 27 4810.30 32.70 202.78 51.04 79.42 21 57 37 4210.3 30.89 194.03

DIFFERENTIAL CORRECTIONS

TDE .6371 TRA-1.4286 TC3 -.0755 BAU .0787
 RDE -.4710 RRA -.2700 RC3 .0940 FAU .01906
 FDE -.5524 FRA .8080 FC3 -.3381 BSP 3876
 BDE .7923 BRA 1.4539 BC3 .1206 FSP -199

MID-COURSE EXECUTION ACCURACY

SGT 1297.5 SGR 465.3 SG3 80.9
 RRT .0806 RRF -.0839 RTF -.8056
 SGB 1378.4 R23 -.0095 R13 -.8058
 SGI 1298.1 SG2 463.6 THA 1.90

ORBIT DETERMINATION ACCURACY

ST 631.7 SR 392.2 SS 596.5
 CRT -.7190 CRS -.8309 CST .9834
 LSA 921.0 MSA 245.3 SSA 16.0
 EL1 701.9 EL2 245.3 ALF 152.27

LAUNCH DATE MAY 21 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 216.423

RL 151.40 LAL -.00 LOL 239.28 VL 23.848 GAL 7.84 AZL 93.17 HCA 85.65 SMA 112.05 ECC .37367 INC 3.1683 V1 29.428
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.390 GAP -21.89 AZP 90.24 TAL 166.44 TAP 252.09 RCA 70.18 APO 153.92 V2 34.791
 RC 44.000 GL -11.32 GP 2.48 ZAL 64.05 ZAP 8.83 ETS 196.93 ZAE 164.90 ETE 115.63 ZAC 110.59 ETC 16.96 CLP 8.47

PLANETOCENTRIC CONIC

C3 44.252 VHL 6.652 DLA -8.71 RAL 171.61 RAD 6568.7 VEL 12.869 PTH 2.34 VHP 13.293 DPA 15.66 RAP 157.47 ECC 1.7283
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 32 2138.43 -17.65 36.72 44.32 112.51 8 37 11 1538.4 -14.45 29.51
 90.00 17 47 49 5329.28 27.52 242.45 50.36 83.07 19 16 38 4729.3 26.28 234.01
 100.00 9 18 39 1889.68 -18.95 17.85 43.74 113.56 9 50 8 1289.7 -15.60 10.65
 100.00 19 13 24 5053.27 28.92 221.95 50.15 82.10 20 37 37 4453.3 27.53 213.42
 110.00 10 17 14 1706.21 -22.40 2.20 42.01 116.52 10 45 41 1106.2 -18.66 355.06
 110.00 20 31 17 4809.50 32.69 202.72 49.43 79.38 21 51 27 4209.5 30.88 193.97

DIFFERENTIAL CORRECTIONS

TDE .6417 TRA-1.4108 TC3 -.0570 BAU .0708
 RDE -.4408 RRA -.2553 RC3 .1053 FAU .01987
 FDE -.5842 FRA .8303 FC3 -.3887 BSP 4076
 BDE .7785 BRA 1.4337 BC3 .1197 FSP -221

MID-COURSE EXECUTION ACCURACY

SGT 1350.0 SGR 461.8 SG3 88.3
 RRT .0851 RRF -.0897 RTF -.8179
 SGB 1426.8 R23 -.0111 R13 -.8181
 SG1 1350.6 SG2 459.9 THA 1.89

ORBIT DETERMINATION ACCURACY

ST 664.4 SR 385.5 SS 629.6
 CRT -.7231 CRS -.8351 CST .9831
 LSA 962.9 MSA 243.0 SSA 16.1
 EL1 728.8 EL2 242.8 ALF 154.16

LAUNCH DATE MAY 21 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 223.064

RL 151.40 LAL -.00 LOL 239.28 VL 24.127 GAL 7.42 AZL 93.22 HCA 88.81 SMA 113.33 ECC .35726 INC 3.2235 V1 29.428
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.582 GAP -20.82 AZP 90.07 TAL 166.23 TAP 255.04 RCA 72.84 APO 153.82 V2 34.795
 RC 43.455 GL -12.25 GP 2.62 ZAL 64.03 ZAP 7.46 ETS 201.14 ZAE 165.46 ETE 104.97 ZAC 108.95 ETC 16.68 CLP 6.98

PLANETOCENTRIC CONIC

C3 40.198 VHL 6.340 DLA -9.61 RAL 171.33 RAD 6568.5 VEL 12.711 PTH 2.31 VHP 12.684 DPA 15.19 RAP 159.14 ECC 1.6616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 35 2085.10 -16.23 33.45 42.34 113.53 8 42 20 1485.1 -12.91 26.34
 90.00 17 39 34 5334.16 27.56 242.80 48.66 83.24 19 8 29 4734.2 26.34 234.35
 100.00 9 24 12 1837.91 -17.51 14.67 41.74 114.62 9 54 50 1237.9 -14.04 7.60
 100.00 19 5 38 5056.58 28.95 222.19 48.46 82.22 20 29 55 4456.6 27.58 213.66
 110.00 10 21 42 1657.84 -20.90 359.25 39.98 117.68 10 49 20 1057.8 -17.03 352.26
 110.00 20 24 37 4809.42 32.68 202.72 47.76 79.38 21 44 47 4209.4 30.87 193.96

DIFFERENTIAL CORRECTIONS

TDE .6468 TRA-1.3916 TC3 -.0340 BAU .0657
 RDE -.4115 RRA -.2412 RC3 .1175 FAU .02077
 FDE -.6191 FRA .8533 FC3 -.4474 BSP 4277
 BDE .7666 BRA 1.4124 BC3 .1223 FSP -244

MID-COURSE EXECUTION ACCURACY

SGT 1403.7 SGR 457.5 SG3 96.5
 RRT .0906 RRF -.0967 RTF -.8296
 SGB 1476.4 R23 -.0127 R13 -.8297
 SG1 1404.4 SG2 455.4 THA 1.89

ORBIT DETERMINATION ACCURACY

ST 698.6 SR 377.7 SS 665.1
 CRT -.7275 CRS -.8392 CST .9829
 LSA 1007.6 MSA 240.0 SSA 16.3
 EL1 757.4 EL2 239.1 ALF 155.99

LAUNCH DATE MAY 21 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 229.726

RL 151.40 LAL -.00 LOL 239.28 VL 24.387 GAL 7.02 AZL 93.28 HCA 91.98 SMA 114.56 ECC .34174 INC 3.2787 V1 29.428
 RP 108.90 LAP -3.28 LOP 331.25 VP 35.763 GAP -19.79 AZP 89.89 TAL 166.06 TAP 258.04 RCA 75.41 APO 153.72 V2 34.799
 RC 43.079 GL -13.23 GP 2.78 ZAL 64.11 ZAP 6.14 ETS 207.42 ZAE 165.54 ETE 93.64 ZAC 107.31 ETC 16.40 CLP 5.48

PLANETOCENTRIC CONIC

C3 36.580 VHL 6.048 DLA -10.52 RAL 170.96 RAD 6568.4 VEL 12.568 PTH 2.28 VHP 12.095 DPA 14.73 RAP 160.79 ECC 1.6020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 27 2031.42 -14.74 30.21 40.35 114.45 8 47 19 1431.4 -11.32 23.20
 90.00 17 30 44 5340.18 27.61 243.24 46.90 83.45 18 59 44 4740.2 26.42 234.77
 100.00 9 29 34 1785.88 -16.01 11.54 39.74 115.59 9 59 20 1185.9 -12.43 4.57
 100.00 18 57 19 5060.95 28.99 222.51 46.71 82.39 20 21 40 4461.0 27.64 213.97
 110.00 10 25 56 1609.41 -19.34 356.35 37.94 118.75 10 52 45 1009.4 -15.36 349.50
 110.00 20 17 26 4810.23 32.69 202.78 46.02 79.42 21 37 36 4210.2 30.89 194.02

DIFFERENTIAL CORRECTIONS

TDE .6528 TRA-1.3705 TC3 -.0061 BAU .0640
 RDE -.3830 RRA -.2277 RC3 .1307 FAU .02178
 FDE -.6576 FRA .8769 FC3 -.5155 BSP 4476
 BDE .7568 BRA 1.3893 BC3 .1309 FSP -270

MID-COURSE EXECUTION ACCURACY

SGT 1458.1 SGR 452.5 SG3 105.5
 RRT .0973 RRF -.1049 RTF -.8405
 SGB 1526.7 R23 -.0146 R13 -.8407
 SG1 1458.8 SG2 450.1 THA 1.91

ORBIT DETERMINATION ACCURACY

ST 734.4 SR 368.7 SS 703.1
 CRT -.7322 CRS -.8434 CST .9829
 LSA 1055.3 MSA 236.3 SSA 16.4
 EL1 787.7 EL2 234.2 ALF 157.74

LAUNCH DATE MAY 21 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 236.407

RL 151.40 LAL -.00 LOL 239.28 VL 24.628 GAL 6.64 AZL 93.33 HCA 95.14 SMA 115.74 ECC .32710 INC 3.3340 V1 29.428
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.933 GAP -18.80 AZP 89.70 TAL 165.94 TAP 261.08 RCA 77.88 APO 153.61 V2 34.804
 RC 42.876 GL -14.26 GP 2.96 ZAL 64.27 ZAP 4.94 ETS 217.27 ZAE 165.09 ETE 82.49 ZAC 105.69 ETC 16.15 CLP 3.95

PLANETOCENTRIC CONIC

C3 33.356 VHL 5.776 DLA -11.44 RAL 170.50 RAD 6568.3 VEL 12.439 PTH 2.25 VHP 11.528 DPA 14.29 RAP 162.43 ECC 1.5490
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 12 1977.48 -13.20 27.00 38.36 115.28 8 52 10 1377.5 -9.69 20.08
 90.00 17 21 16 5347.54 27.67 243.77 45.09 83.71 18 50 24 4747.5 26.51 235.29
 100.00 9 34 46 1733.67 -14.45 8.45 37.73 116.46 10 3 40 1133.7 -10.78 1.58
 100.00 18 48 23 5066.57 29.04 222.92 44.91 82.60 20 12 50 4466.6 27.72 214.36
 110.00 10 29 57 1560.88 -17.73 353.52 35.91 119.72 10 55 58 960.9 -13.64 346.79
 110.00 20 9 42 4812.13 32.72 202.92 44.23 79.50 21 29 54 4212.1 30.92 194.16

DIFFERENTIAL CORRECTIONS

TDE .6596 TRA-1.3481 TC3 .0270 BAU .0658
 RDE -.3552 RRA -.2148 RC3 .1450 FAU .02290
 FDE -.7004 FRA .9015 FC3 -.5942 BSP 4672
 BDE .7492 BRA 1.3651 BC3 .1475 FSP -299

MID-COURSE EXECUTION ACCURACY

SGT 1513.6 SGR 446.7 SG3 115.5
 RRT .1055 RRF -.1148 RTF -.8507
 SGB 1578.2 R23 -.0167 R13 -.8509
 SG1 1514.4 SG2 443.9 THA 1.95

ORBIT DETERMINATION ACCURACY

ST 771.9 SR 358.4 SS 744.1
 CRT -.7370 CRS -.8473 CST .9828
 LSA 1106.3 MSA 232.1 SSA 16.5
 EL1 819.9 EL2 228.1 ALF 159.45

LAUNCH DATE MAY 21 1967

FLIGHT TIME 102.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 243.102

RL 151.40 LAL -.00 LOL 239.28 VL 24.852 GAL 6.27 AZL 93.39 HCA 98.30 SMA 116.87 ECC .31331 INC 3.3899 V1 29.428
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.092 GAP -17.84 A7P 89.51 TAL 165.87 TAP 264.17 RCA 80.26 APO 153.49 V2 34.809
 RC 42.849 GL -15.34 GP 3.16 ZAL 64.53 ZAP 3.97 ETS 233.13 ZAE 164.17 ETE 72.30 ZAC 104.08 ETC 15.90 CLP 2.40

PLANETOCENTRIC CONIC

C3 30.488 VHL 5.522 OLA -12.38 RAL 169.93 RAD 6568.2 VEL 12.323 PTH 2.22 VHP 10.980 DPA 13.87 RAP 164.05 ECC 1.5018
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 50 1923.32 -11.60 23.82 36.36 116.01 8 56 54 1323.3 -8.01 16.98
 90.00 17 11 9 5356.45 27.73 244.41 43.24 84.03 18 40 26 4756.5 26.61 235.92
 100.00 9 39 50 1681.36 -12.84 5.40 35.73 117.23 10 7 51 1081.4 -9.09 358.62
 100.00 18 38 51 5073.65 29.10 223.43 43.06 82.86 20 3 24 4473.6 27.81 214.87
 110.00 10 33 45 1512.48 -16.07 350.74 33.89 120.58 10 58 58 912.5 -11.90 344.13
 110.00 20 1 25 4815.29 32.76 203.16 42.40 79.63 21 21 40 4215.3 30.98 194.39

DIFFERENTIAL CORRECTIONS

TDE .6676 TRA-1.3236 TC3 .0659 BAU .0707
 RDE -.3282 RRA -.2027 RC3 .1604 FAU .02414
 FDE -.7482 FRA .9270 FC3 -.6853 BSP 4877
 BDE .7440 BRA 1.3391 BC3 .1734 FSP -332

MID-COURSE EXECUTION ACCURACY

SGT 1569.2 SGR 440.1 SG3 126.5
 RRT .1154 RRF -.1267 RTF -.8604
 SGB 1629.8 R23 -.0192 R13 -.8607
 SG1 1570.1 SG2 436.9 THA 2.01

ORBIT DETERMINATION ACCURACY

ST 811.1 SR 346.7 SS 788.4
 CRT -.7421 CRS -.8511 CST .9829
 LSA 1160.9 MSA 227.2 SSA 16.6
 EL1 854.0 EL2 220.7 ALF 161.09

LAUNCH DATE MAY 21 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 249.809

RL 151.40 LAL -.00 LOL 239.28 VL 25.060 GAL 5.92 AZL 93.45 HCA 101.47 SMA 117.95 ECC .30034 INC 3.4468 V1 29.428
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.241 GAP -16.93 A7P 89.31 TAL 165.84 TAP 267.31 RCA 82.52 APO 153.38 V2 34.815
 RC 42.995 GL -16.47 GP 3.38 ZAL 64.88 ZAP 3.48 ETS 256.63 ZAE 162.88 ETE 63.53 ZAC 102.49 ETC 15.67 CLP .82

PLANETOCENTRIC CONIC

C3 27.942 VHL 5.286 OLA -13.33 RAL 169.28 RAD 6568.1 VEL 12.220 PTH 2.20 VHP 10.452 DPA 13.47 RAP 165.64 ECC 1.4599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 24 1868.99 -9.96 20.67 34.38 116.64 9 1 33 1269.0 -6.31 13.90
 90.00 17 0 21 5367.14 27.81 245.19 41.35 84.41 18 29 49 4767.1 26.74 236.68
 100.00 9 44 47 1629.00 -11.19 2.39 33.74 117.90 10 11 56 1029.0 -7.37 355.68
 100.00 18 28 40 5082.37 29.18 224.07 41.18 83.19 19 53 22 4482.4 27.93 215.49
 110.00 10 37 22 1464.26 -14.38 348.03 31.88 121.35 11 1 47 864.3 -10.13 341.51
 110.00 19 52 33 4819.87 32.81 203.50 40.55 79.83 21 12 53 4219.9 31.06 194.72

DIFFERENTIAL CORRECTIONS

TDE .6771 TRA-1.2977 TC3 .1112 BAU .0780
 RDE -.3019 RRA -.1913 RC3 .1768 FAU .02552
 FDE -.8017 FRA .9534 FC3 -.7907 BSP 5077
 BDE .7414 BRA 1.3118 BC3 .2089 FSP -368

MID-COURSE EXECUTION ACCURACY

SGT 1625.5 SGR 432.9 SG3 138.8
 RRT .1276 RRF -.1412 RTF -.8696
 SGB 1682.1 R23 -.0221 R13 -.8698
 SG1 1626.5 SG2 429.1 THA 2.09

ORBIT DETERMINATION ACCURACY

ST 852.5 SR 333.5 SS 836.1
 CRT -.7473 CRS -.8546 CST .9832
 LSA 1219.7 MSA 221.8 SSA 16.6
 EL1 890.5 EL2 212.1 ALF 162.69

LAUNCH DATE MAY 21 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 256.523

RL 151.40 LAL -.00 LOL 239.28 VL 25.252 GAL 5.58 AZL 93.50 HCA 104.64 SMA 118.97 ECC .28818 INC 3.5050 V1 29.428
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.381 GAP -16.04 A7P 89.11 TAL 165.85 TAP 270.49 RCA 84.69 APO 153.26 V2 34.822
 RC 43.312 GL -17.65 GP 3.63 ZAL 65.32 ZAP 3.72 ETS 282.48 ZAE 161.32 ETE 56.26 ZAC 100.93 ETC 15.44 CLP -.79

PLANETOCENTRIC CONIC

C3 25.686 VHL 5.068 OLA -14.29 RAL 168.53 RAD 6568.0 VEL 12.127 PTH 2.17 VHP 9.943 DPA 13.10 RAP 167.21 ECC 1.4227
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 55 1814.52 -8.28 17.55 32.42 117.17 9 6 9 1214.5 -4.58 10.84
 90.00 16 48 51 5379.82 27.89 246.11 39.44 84.87 18 18 31 4779.8 26.88 237.58
 100.00 9 49 38 1576.65 -9.51 359.41 31.77 118.47 10 15 55 976.6 -5.63 352.77
 100.00 18 17 49 5092.93 29.26 224.85 39.28 83.59 19 42 42 4492.9 28.06 216.25
 110.00 10 40 50 1416.31 -12.67 345.37 29.89 122.02 11 4 26 816.3 -8.35 338.94
 110.00 19 43 7 4826.03 32.89 203.97 38.67 80.10 21 3 33 4226.0 31.17 195.17

DIFFERENTIAL CORRECTIONS

TDE .6884 TRA-1.2702 TC3 .1648 BAU .0875
 RDE -.2762 RRA -.1807 RC3 .1943 FAU .02706
 FDE -.8620 FRA .9810 FC3 -.9121 BSP 5281
 BDE .7418 BRA 1.2830 BC3 .2548 FSP -408

MID-COURSE EXECUTION ACCURACY

SGT 1682.1 SGR 425.1 SG3 152.5
 RRT .1431 RRF -.1589 RTF -.8789
 SGB 1735.0 R23 -.0250 R13 -.8791
 SG1 1683.3 SG2 420.5 THA 2.21

ORBIT DETERMINATION ACCURACY

ST 896.3 SR 318.6 SS 887.9
 CRT -.7523 CRS -.8575 CST .9836
 LSA 1283.1 MSA 215.9 SSA 16.6
 EL1 929.5 EL2 202.4 ALF 164.26

LAUNCH DATE MAY 21 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 263.242

RL 151.40 LAL -.00 LOL 239.28 VL 25.430 GAL 5.26 AZL 93.56 HCA 107.81 SMA 119.94 ECC .27680 INC 3.5648 V1 29.428
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.512 GAP -15.18 A7P 88.91 TAL 165.91 TAP 273.72 RCA 86.74 APO 153.14 V2 34.830
 RC 43.796 GL -18.87 GP 3.91 ZAL 65.84 ZAP 4.61 ETS 302.11 ZAE 159.60 ETE 50.37 ZAC 99.39 ETC 15.23 CLP -2.44

PLANETOCENTRIC CONIC

C3 23.693 VHL 4.868 OLA -15.27 RAL 167.69 RAD 6568.0 VEL 12.045 PTH 2.15 VHP 9.453 DPA 12.77 RAP 168.76 ECC 1.3899
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 41 26 1759.93 -6.57 14.45 30.47 117.61 9 10 46 1159.9 -2.83 7.78
 90.00 16 36 37 5394.70 27.97 247.19 37.51 85.40 18 6 31 4794.7 27.04 238.64
 100.00 9 54 27 1524.35 -7.79 356.47 29.81 118.95 10 19 51 924.3 -3.87 349.88
 100.00 18 6 17 5105.51 29.35 225.77 37.37 84.07 19 31 22 4505.5 28.22 217.15
 110.00 10 44 8 1368.71 -10.94 342.77 27.92 122.59 11 6 57 768.7 -6.56 336.41
 110.00 19 33 5 4833.92 32.98 204.57 36.79 80.44 20 53 39 4233.9 31.31 195.74

DIFFERENTIAL CORRECTIONS

TDE .6993 TRA-1.2401 TC3 .2207 BAU .0972
 RDE -.2509 RRA -.1711 RC3 .2130 FAU .02879
 FDE -.9301 FRA 1.0098 FC3 -1.0519 BSP 5480
 BDE .7429 BRA 1.2519 BC3 .3067 FSP -454

MID-COURSE EXECUTION ACCURACY

SGT 1735.9 SGR 416.9 SG3 167.7
 RRT .1620 RRF -.1807 RTF -.8863
 SGB 1785.2 R23 -.0289 R13 -.8867
 SG1 1737.3 SG2 411.1 THA 2.36

ORBIT DETERMINATION ACCURACY

ST 940.0 SR 302.0 SS 944.1
 CRT -.7562 CRS -.8595 CST .9839
 LSA 1349.7 MSA 210.0 SSA 16.6
 EL1 968.5 EL2 191.8 ALF 165.78

LAUNCH DATE MAY 21 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 269.964

RL 151.40 LAL -.00 LOL 239.28 VL 25.594 GAL 4.96 AZL 93.63 HCA 110.98 SMA 120.86 ECC .26618 INC 3.6269 V1 29.428
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.634 GAP -14.36 AZP 88.70 TAL 166.01 TAP 276.98 RCA 88.69 APO 153.03 V2 34.838
 RC 44.440 GL -20.14 GP 4.23 ZAL 66.44 ZAP 5.92 ETS 314.46 ZAE 157.82 ETE 45.63 ZAC 97.89 ETC 15.03 CLP -4.14

PLANETOCENTRIC CONIC

C3 21.938 VHL 4.684 DLA -16.26 RAL 166.75 RAD 6567.9 VEL 11.972 PTH 2.13 VHP 8.980 DPA 12.49 RAP 170.27 ECC 1.3610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 1 1705.20 -4.84 11.37 28.56 117.93 9 15 27 1105.2 -1.06 4.72
 90.00 16 23 36 5412.00 28.06 248.44 35.58 86.03 17 53 48 4812.0 27.21 239.88
 180.00 9 59 16 1472.11 -6.06 353.56 27.89 119.33 10 23 48 872.1 -2.11 347.01
 100.00 17 54 3 5120.31 29.45 226.86 35.45 84.63 19 19 23 4520.3 28.40 218.21
 110.00 10 47 20 1321.52 -9.20 340.23 25.98 123.07 11 9 21 721.5 -4.78 333.92
 110.00 19 22 28 4843.67 33.08 205.31 34.91 80.87 20 43 12 4243.7 31.47 196.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7121 TRA-1.2093 TC3 .2837 BAU .1076
 RDE -.2260 RRA -.1623 RC3 .2329 FAU .03071
 FDE-1.0073 FRA 1.0403 FC3-1.2120 BSP 5671
 BDE .7471 BRA 1.2201 BC3 .3670 FSP -505

SGT 1789.9 SGR 408.4 SG3 184.6
 RRT .1858 RRF -.2076 RTF -.8937
 SGB 1835.9 R23 -.0334 R13 -.8941
 SG1 1791.6 SG2 400.9 THA 2.56

ST 986.2 SR 283.4 SS 1004.9
 CRT -.7588 CRS -.8602 CST .9844
 LSA 1421.6 MSA 203.9 SSA 16.5
 EL1 1010.1 EL2 180.2 ALF 167.29

LAUNCH DATE MAY 21 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 276.684

RL 151.40 LAL -.00 LOL 239.28 VL 25.746 GAL 4.67 AZL 93.69 HCA 114.15 SMA 121.72 ECC .25628 INC 3.6918 V1 29.428
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.748 GAP -13.56 AZP 88.49 TAL 166.14 TAP 280.29 RCA 90.53 APO 152.92 V2 34.846
 RC 45.237 GL -21.46 GP 4.59 ZAL 67.12 ZAP 7.46 ETS 322.12 ZAE 156.05 ETE 41.85 ZAC 96.43 ETC 14.83 CLP -5.89

PLANETOCENTRIC CONIC

C3 20.399 VHL 4.517 DLA -17.26 RAL 165.74 RAD 6567.8 VEL 11.907 PTH 2.12 VHP 8.526 DPA 12.25 RAP 171.75 ECC 1.3357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 45 1650.26 -3.08 8.29 26.69 118.16 9 20 15 1050.3 .71 1.66
 90.00 16 9 48 5431.96 28.15 249.90 33.66 86.75 17 40 20 4832.0 27.40 241.31
 100.00 10 4 7 1419.93 -4.31 350.67 26.00 119.61 10 27 47 819.9 -.34 344.14
 100.00 17 41 6 5137.52 29.55 228.13 33.55 85.30 19 6 43 4537.5 28.59 219.46
 110.00 10 50 27 1274.78 -7.45 337.73 24.07 123.46 11 11 42 674.8 -3.00 331.47
 110.00 19 11 15 4855.43 33.21 206.20 33.05 81.38 20 32 11 4255.4 31.66 197.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7260 TRA-1.1768 TC3 .3519 BAU .1183
 RDE -.2013 RRA -.1546 RC3 .2539 FAU .03287
 FDE-1.0949 FRA 1.0723 FC3-1.3949 BSP 5855
 BDE .7533 BRA 1.1869 BC3 .4340 FSP -561

SGT 1842.0 SGR 400.0 SG3 203.5
 RRT .2156 RRF -.2410 RTF -.9006
 SGB 1885.0 R23 -.0386 R13 -.9010
 SG1 1844.1 SG2 390.1 THA 2.81

ST 1033.5 SR 262.7 SS 1070.9
 CRT -.7592 CRS -.8588 CST .9850
 LSA 1498.2 MSA 197.8 SSA 16.4
 EL1 1053.1 EL2 167.8 ALF 168.79

LAUNCH DATE MAY 21 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 283.401

RL 151.40 LAL -.00 LOL 239.28 VL 25.886 GAL 4.40 AZL 93.76 HCA 117.32 SMA 122.53 ECC .24708 INC 3.7599 V1 29.428
 RP 108.72 LAP -3.34 LOP 356.64 VP 36.855 GAP -12.78 AZP 88.27 TAL 166.32 TAP 283.64 RCA 92.26 APO 152.81 V2 34.856
 RC 46.178 GL -22.81 GP 5.00 ZAL 67.86 ZAP 9.17 ETS 327.03 ZAE 154.34 ETE 38.86 ZAC 95.01 ETC 14.64 CLP -7.70

PLANETOCENTRIC CONIC

C3 19.055 VHL 4.365 DLA -18.28 RAL 164.65 RAD 6567.8 VEL 11.851 PTH 2.10 VHP 8.089 DPA 12.08 RAP 173.19 ECC 1.3136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 41 1595.01 -1.30 5.20 24.86 118.29 9 25 16 995.0 2.49 358.58
 90.00 15 55 8 5454.84 28.22 251.57 31.75 87.58 17 26 3 4854.8 27.59 242.96
 100.00 10 9 7 1367.75 -2.55 347.80 24.16 119.79 10 31 54 767.7 1.43 341.28
 100.00 17 27 23 5157.34 29.66 229.59 31.66 86.06 18 53 21 4557.3 28.79 220.89
 110.00 10 53 33 1228.53 -5.71 335.29 22.20 123.76 11 14 1 628.5 -1.23 329.06
 110.00 18 59 27 4869.32 33.34 207.27 31.20 82.00 20 20 36 4269.3 31.88 198.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7437 TRA-1.1407 TC3 .4296 BAU .1301
 RDE -.1763 RRA -.1480 RC3 .2764 FAU .03533
 FDE-1.1963 FRA 1.1051 FC3-1.6053 BSP 6088
 BDE .7643 BRA 1.1503 BC3 .5108 FSP -628

SGT 1892.0 SGR 392.0 SG3 224.7
 RRT .2523 RRF -.2818 RTF -.9079
 SGB 1932.2 R23 -.0446 R13 -.9084
 SG1 1894.7 SG2 378.7 THA 3.12

ST 1084.8 SR 239.5 SS 1143.6
 CRT -.7574 CRS -.8546 CST .9859
 LSA 1582.8 MSA 191.0 SSA 16.1
 EL1 1100.1 EL2 154.2 ALF 170.31

LAUNCH DATE MAY 21 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 290.114

RL 151.40 LAL -.00 LOL 239.28 VL 26.015 GAL 4.14 AZL 93.83 HCA 120.49 SMA 123.29 ECC .23855 INC 3.8321 V1 29.428
 RP 108.69 LAP -3.30 LOP 359.82 VP 36.955 GAP -12.04 AZP 88.05 TAL 166.52 TAP 287.01 RCA 93.88 APO 152.71 V2 34.865
 RC 47.255 GL -24.20 GP 5.47 ZAL 68.67 ZAP 11.01 ETS 330.30 ZAE 152.74 ETE 36.52 ZAC 93.64 ETC 14.45 CLP -9.57

PLANETOCENTRIC CONIC

C3 17.889 VHL 4.230 DLA -19.30 RAL 163.48 RAD 6567.7 VEL 11.801 PTH 2.09 VHP 7.669 DPA 11.99 RAP 174.59 ECC 1.2944
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 57 1539.28 .50 2.10 23.09 118.31 9 30 37 939.3 4.28 355.46
 90.00 15 39 34 5480.99 28.28 253.48 29.86 88.54 17 10 55 4881.0 27.78 244.85
 100.00 10 14 19 1315.46 -.78 344.93 22.38 119.88 10 36 14 715.5 3.20 338.41
 100.00 17 12 54 5180.03 29.75 231.27 29.80 86.94 18 39 14 4580.0 29.01 222.55
 110.00 10 56 40 1182.77 -3.97 332.88 20.39 123.98 11 16 22 582.8 .52 326.67
 110.00 18 47 2 4885.49 33.49 208.51 29.40 82.72 20 8 28 4285.5 32.12 199.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7601 TRA-1.1060 TC3 .5048 BAU .1405
 RDE -.1510 RRA -.1425 RC3 .3004 FAU .03802
 FDE-1.3111 FRA 1.1413 FC3-1.8401 BSP 6255
 BDE .7749 BRA 1.1152 BC3 .5875 FSP -700

SGT 1939.8 SGR 385.0 SG3 248.3
 RRT .2982 RRF -.3321 RTF -.9137
 SGB 1977.6 R23 -.0518 R13 -.9143
 SG1 1943.3 SG2 366.9 THA 3.51

ST 1134.5 SR 213.6 SS 1221.6
 CRT -.7477 CRS -.8447 CST .9866
 LSA 1670.5 MSA 185.3 SSA 15.9
 EL1 1145.9 EL2 140.5 ALF 171.86

LAUNCH DATE MAY 21 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 296.819

RL 151.40 LAL -1.00 LOL 239.28 VL 26.133 GAL 3.90 AZL 93.91 HCA 123.67 SMA 124.00 ECC .23068 INC 3.9093 V1 29.428
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.047 GAP -11.31 AZP 87.83 TAL 166.75 TAP 290.42 RCA 95.40 APO 152.61 V2 34.875
 RC 48.458 GL -25.63 GP 6.01 ZAL 69.53 ZAP 12.98 ETS 332.53 ZAE 151.27 ETE 34.74 ZAC 92.33 ETC 14.27 CLP -11.53

PLANETOCENTRIC CONIC

C3 16.886 VHL 4.109 DLA -20.34 RAL 162.25 RAD 6567.7 VEL 11.759 PTH 2.08 VHP 7.267 DPA 11.99 RAP 175.95 ECC 1.2779
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 11 43 1482.74 2.32 358.94 21.40 118.23 9 36 26 882.7 6.08 352.28
 90.00 15 23 0 5510.81 28.31 255.66 28.02 89.63 16 54 51 4910.8 27.96 247.01
 100.00 10 19 51 1262.89 1.00 342.05 20.66 119.88 10 40 53 662.9 4.97 335.51
 100.00 16 57 34 5205.89 29.83 233.19 27.98 87.95 18 24 19 4605.9 29.22 224.44
 110.00 10 59 52 1137.45 -2.24 330.51 18.64 124.12 11 18 50 537.5 2.25 324.31
 110.00 18 34 1 4904.10 33.64 209.94 27.65 83.55 19 55 45 4304.1 32.38 200.93

DIFFERENTIAL CORRECTIONS

TDE .7775 TRA-1.0694 TC3 .5827 BAU .1508
 RDE -.1247 RRA -.1384 RC3 .3264 FAU .04106
 FDE-1.4430 FRA 1.1790 FC3-2.1053 BSP 6419
 BDE .7875 BRA 1.0783 BC3 .6679 FSP -782

MID-COURSE EXECUTION ACCURACY

SGT 1983.3 SGR 380.1 SG3 274.8
 RRT .3543 RRF -.3929 RTF -.9191
 SGB 2019.4 R23 -.0604 R13 -.9200
 SG1 1988.0 SG2 354.6 THA 4.01

ORBIT DETERMINATION ACCURACY

ST 1184.5 SR 184.7 SS 1306.1
 CRT -.7265 CRS -.8250 CST .9873
 LSA 1763.7 MSA 179.9 SSA 15.5
 EL1 1192.2 EL2 126.1 ALF 173.46

LAUNCH DATE MAY 21 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 303.516

RL 151.40 LAL -1.00 LOL 239.28 VL 26.241 GAL 3.67 AZL 93.99 HCA 126.85 SMA 124.66 ECC .22341 INC 3.9924 V1 29.428
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.134 GAP -10.61 AZP 87.60 TAL 167.01 TAP 293.85 RCA 96.81 APO 152.52 V2 34.886
 RC 49.776 GL -27.09 GP 6.63 ZAL 70.43 ZAP 15.08 ETS 334.06 ZAE 149.95 ETE 33.47 ZAC 91.08 ETC 14.08 CLP -13.57

PLANETOCENTRIC CONIC

C3 16.033 VHL 4.004 DLA -21.39 RAL 160.97 RAD 6567.6 VEL 11.722 PTH 2.07 VHP 6.882 DPA 12.10 RAP 177.27 ECC 1.2639
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 10 1424.94 4.18 355.71 19.79 118.03 9 42 55 824.9 7.90 349.00
 90.00 15 5 17 5544.89 28.30 258.15 26.21 90.88 16 37 42 4944.9 28.13 249.49
 100.00 10 25 51 1209.75 2.80 339.13 19.03 119.77 10 46 1 609.8 6.74 332.56
 100.00 16 41 18 5235.31 29.88 235.38 26.21 89.10 18 8 33 4635.3 29.43 226.60
 110.00 11 3 16 1092.48 -.52 328.16 16.95 124.18 11 21 28 492.5 3.96 321.96
 110.00 18 20 22 4925.35 33.79 211.58 25.96 84.51 19 42 28 4325.4 32.66 202.52

DIFFERENTIAL CORRECTIONS

TDE .7953 TRA-1.0323 TC3 .6578 BAU .1602
 RDE -.0970 RRA -.1356 RC3 .3546 FAU .04444
 FDE-1.5945 FRA 1.2197 FC3-2.3994 BSP 6552
 BDE .8012 BRA 1.0412 BC3 .7473 FSP -872

MID-COURSE EXECUTION ACCURACY

SGT 2022.2 SGR 378.6 SG3 304.4
 RRT .4210 RRF -.4646 RTF -.9239
 SGB 2057.4 R23 -.0708 R13 -.9250
 SG1 2028.7 SG2 342.3 THA 4.64

ORBIT DETERMINATION ACCURACY

ST 1233.7 SR 152.4 SS 1397.6
 CRT -.6808 CRS -.7841 CST .9880
 LSA 1862.2 MSA 175.2 SSA 15.0
 EL1 1238.1 EL2 111.3 ALF 175.15

LAUNCH DATE MAY 21 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 310.201

RL 151.40 LAL -1.00 LOL 239.28 VL 26.340 GAL 3.46 AZL 94.08 HCA 130.03 SMA 125.28 ECC .21674 INC 4.0827 V1 29.428
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.214 GAP -9.94 AZP 87.37 TAL 167.28 TAP 297.31 RCA 98.12 APO 152.43 V2 34.897
 RC 51.201 GL -28.57 GP 7.36 ZAL 71.36 ZAP 17.31 ETS 335.09 ZAE 148.79 ETE 32.66 ZAC 89.90 ETC 13.90 CLP -15.72

PLANETOCENTRIC CONIC

C3 15.318 VHL 3.914 DLA -22.45 RAL 159.64 RAD 6567.6 VEL 11.692 PTH 2.06 VHP 6.514 DPA 12.34 RAP 178.53 ECC 1.2521
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 27 36 1365.14 6.08 352.34 18.29 117.71 9 50 21 765.1 9.75 345.58
 90.00 14 46 14 5584.07 28.23 261.02 24.46 92.32 16 19 18 4984.1 28.25 252.35
 100.00 10 32 32 1155.59 4.63 336.15 17.49 119.57 10 51 47 555.6 8.53 329.53
 100.00 16 23 59 5268.85 29.89 237.87 24.51 90.41 17 51 48 4668.9 29.63 229.08
 110.00 11 6 57 1047.69 1.19 325.83 15.35 124.16 11 24 24 447.7 5.66 319.60
 110.00 18 6 3 4949.51 33.93 213.45 24.34 85.61 19 28 33 4349.5 32.95 204.35

DIFFERENTIAL CORRECTIONS

TDE .8144 TRA -.9937 TC3 .7305 BAU .1692
 RDE -.0670 RRA -.1344 RC3 .3859 FAU .04821
 FDE-1.7695 FRA 1.2624 FC3-2.7248 BSP 6677
 BDE .8171 BRA 1.0027 BC3 .8262 FSP -975

MID-COURSE EXECUTION ACCURACY

SGT 2055.6 SGR 382.4 SG3 337.5
 RRT .4972 RRF -.5461 RTF -.9285
 SGB 2090.9 R23 -.0833 R13 -.9298
 SG1 2064.6 SG2 330.3 THA 5.42

ORBIT DETERMINATION ACCURACY

ST 1282.4 SR 117.5 SS 1497.0
 CRT -.5756 CRS -.6894 CST .9888
 LSA 1967.3 MSA 170.7 SSA 14.4
 EL1 1284.2 EL2 95.9 ALF 176.97

LAUNCH DATE MAY 21 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 316.875

RL 151.40 LAL -1.00 LOL 239.28 VL 26.430 GAL 3.27 AZL 94.18 HCA 133.21 SMA 125.84 ECC .21064 INC 4.1820 V1 29.428
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.289 GAP -9.28 AZP 87.13 TAL 167.57 TAP 300.77 RCA 99.33 APO 152.35 V2 34.908
 RC 52.722 GL -30.09 GP 8.21 ZAL 72.31 ZAP 19.70 ETS 335.76 ZAE 147.79 ETE 32.31 ZAC 88.80 ETC 13.71 CLP -17.97

PLANETOCENTRIC CONIC

C3 14.733 VHL 3.838 DLA -23.53 RAL 158.26 RAD 6567.6 VEL 11.667 PTH 2.05 VHP 6.164 DPA 12.73 RAP 179.75 ECC 1.2425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 37 27 1302.14 8.06 348.77 16.92 117.24 9 59 9 702.1 11.65 341.93
 90.00 14 25 26 5629.64 28.06 264.34 22.76 93.97 15 59 16 5029.6 28.32 255.68
 100.00 10 40 10 1099.69 6.50 333.05 16.07 119.24 10 58 30 499.7 10.34 326.37
 100.00 16 5 24 5307.33 29.84 240.73 22.87 91.91 17 33 51 4707.3 29.78 231.92
 110.00 11 11 3 1002.82 2.90 323.49 13.85 124.07 11 27 46 402.8 7.36 317.23
 110.00 17 51 0 4976.96 34.06 215.59 22.81 86.87 19 13 57 4377.0 33.25 206.44

DIFFERENTIAL CORRECTIONS

TDE .8350 TRA -.9521 TC3 .8020 BAU .1784
 RDE -.0339 RRA -.1349 RC3 .4212 FAU .05250
 FDE-1.9731 FRA 1.3054 FC3-3.0852 BSP 6832
 BDE .8357 BRA .9616 BC3 .9059 FSP -1094

MID-COURSE EXECUTION ACCURACY

SGT 2082.1 SGR 394.1 SG3 374.6
 RRT .5805 RRF -.6340 RTF -.9330
 SGB 2119.1 R23 -.0975 R13 -.9348
 SG1 2094.9 SG2 318.9 THA 6.42

ORBIT DETERMINATION ACCURACY

ST 1330.5 SR 83.6 SS 1605.4
 CRT -.2899 CRS -.4218 CST .9896
 LSA 2080.1 MSA 166.2 SSA 13.7
 EL1 1330.7 EL2 80.0 ALF 178.95

LAUNCH DATE MAY 21 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 323.536

RL 151.40 LAL -1.00 LOL 239.28 VL 26.512 GAL 3.09 AZL 94.29 HCA 136.39 SMA 126.36 ECC .20507 INC 4.2923 V1 29.428
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.358 GAP -8.64 AZP 86.89 TAL 167.86 TAP 304.25 RCA 100.45 APO 152.27 V2 34.920
 RC 54.330 GL -31.63 GP 9.21 ZAL 73.27 ZAP 22.26 ETS 336.13 ZAE 146.95 ETE 32.42 ZAC 87.79 ETC 13.51 CLP -20.35

PLANETOCENTRIC CONIC

C3 14.273 VHL 3.778 OLA -24.63 RAL 156.86 RAD 6567.6 VEL 11.647 PTH 2.04 VHP 5.832 DPA 13.31 RAP 180.92 ECC 1.2349
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 25 1233.86 10.17 344.86 15.73 116.57 10 9 59 633.9 13.66 337.92
 90.00 14 2 17 5683.84 27.74 268.27 21.12 95.92 15 37 0 5083.8 28.27 259.65
 100.00 10 49 11 1040.92 8.44 329.76 14.81 118.78 11 6 32 440.9 12.21 323.01
 100.00 15 45 12 5352.01 29.69 244.04 21.30 93.65 17 14 24 4752.0 29.88 235.24
 110.00 11 15 47 957.48 4.63 321.11 12.47 123.91 11 31 45 357.5 9.05 314.81
 110.00 17 35 5 5008.21 34.15 218.02 21.39 88.31 18 58 33 4408.2 33.54 208.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8539 TRA -.9117 TC3 .8563 BAU .1856 SGT 2099.8 SGR 417.0 SG3 415.7 ST 1373.1 SR 69.8 SS 1721.4
 ROE .0037 RRA -.1373 RC3 .4611 FAU .05713 RRT .6637 RRF -.7216 RTF -.9364 CRT .4059 CRS .2779 CST .9903
 FDE-2.2072 FRA 1.3521 FC3-3.4650 BSP 6909 SGB 2140.8 R23 -.1154 R13 -.9388 LSA 2197.0 MSA 163.0 SSA 142.9
 BOE .8539 BRA .9220 BC3 .9725 FSP -1223 SG1 2118.4 SG2 309.2 THA 7.67 EL1 1373.4 EL2 63.7 ALF 1.18

LAUNCH DATE MAY 21 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 330.182

RL 151.40 LAL -1.00 LOL 239.28 VL 26.586 GAL 2.92 AZL 94.42 HCA 139.58 SMA 126.84 ECC .20001 INC 4.4164 V1 29.428
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.422 GAP -8.02 AZP 86.63 TAL 168.16 TAP 307.74 RCA 101.47 APO 152.21 V2 34.932
 RC 56.016 GL -33.21 GP 10.39 ZAL 74.22 ZAP 25.01 ETS 336.27 ZAE 146.25 ETE 33.03 ZAC 86.87 ETC 13.31 CLP -22.88

PLANETOCENTRIC CONIC

C3 13.934 VHL 3.733 OLA -25.76 RAL 155.44 RAD 6567.5 VEL 11.633 PTH 2.04 VHP 5.520 DPA 14.12 RAP 182.04 ECC 1.2293
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 4 52 1156.22 12.49 340.34 14.76 115.62 10 24 8 556.2 15.84 333.27
 90.00 13 35 27 5750.89 27.18 273.10 19.50 98.28 15 11 18 5150.9 28.04 264.54
 100.00 11 0 16 977.35 10.50 326.17 13.73 118.15 11 16 33 377.4 14.18 319.32
 100.00 15 22 45 5404.99 29.40 247.95 19.81 95.69 16 52 50 4805.0 29.87 239.18
 110.00 11 21 23 911.06 6.39 318.67 11.24 123.65 11 36 34 311.1 10.77 312.31
 110.00 17 18 7 5044.05 34.18 220.82 20.09 89.96 18 42 11 4444.0 33.80 211.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8717 TRA -.8701 TC3 .8985 BAU .1922 SGT 2106.9 SGR 455.4 SG3 461.1 ST 1410.2 SR 103.6 SS 1845.8
 ROE .0476 RRA -.1420 RC3 .5074 FAU .06225 RRT .7407 RRF -.8017 RTF -.9392 CRT .8915 CRS .8246 CST .9909
 FDE-2.4775 FRA 1.3992 FC3-3.8674 BSP 6975 SGB 2155.6 R23 -.1361 R13 -.9426 LSA 2319.6 MSA 160.4 SSA 12.1
 BOE .8730 BRA .8816 BC3 1.0319 FSP -1369 SG1 2134.3 SG2 302.0 THA 9.28 EL1 1413.2 EL2 46.8 ALF 3.75

LAUNCH DATE MAY 21 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 336.814

RL 151.40 LAL -1.00 LOL 239.28 VL 26.653 GAL 2.77 AZL 94.56 HCA 142.77 SMA 127.27 ECC .19544 INC 4.5579 V1 29.428
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.481 GAP -7.42 AZP 86.37 TAL 168.45 TAP 311.22 RCA 102.40 APO 152.15 V2 34.945
 RC 57.772 GL -34.83 GP 11.81 ZAL 75.17 ZAP 27.99 ETS 336.21 ZAE 145.65 ETE 34.20 ZAC 86.05 ETC 13.10 CLP -25.56

PLANETOCENTRIC CONIC

C3 13.718 VHL 3.704 OLA -26.94 RAL 153.99 RAD 6567.5 VEL 11.623 PTH 2.04 VHP 5.228 DPA 15.20 RAP 183.12 ECC 1.2258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 0 1059.13 15.28 334.57 14.13 114.13 10 44 40 459.1 18.41 327.30
 90.00 13 1 47 5841.13 26.13 279.49 17.83 101.32 14 39 9 5241.1 27.43 271.07
 100.00 11 14 37 905.34 12.78 322.04 12.89 117.25 11 29 42 305.3 16.33 315.05
 100.00 14 56 52 5470.15 28.86 252.72 18.36 98.14 16 28 2 4870.2 29.69 244.02
 110.00 11 28 13 862.63 8.21 316.10 10.18 123.30 11 42 36 262.6 12.53 309.67
 110.00 16 59 45 5085.63 34.14 224.07 18.90 91.89 18 24 31 4485.6 34.02 214.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .8881 TRA -.8279 TC3 .9240 BAU .1983 SGT 2102.3 SGR 513.8 SG3 510.9 ST 1440.0 SR 173.7 SS 1978.5
 ROE .1001 RRA -.1493 RC3 .5613 FAU .06780 RRT .8050 RRF -.8678 RTF -.9415 CRT .9854 CRS .9564 CST .9914
 FDE-2.7888 FRA 1.4467 FC3-4.2787 BSP 7005 SGB 2164.2 R23 -.1589 R13 -.9463 LSA 2448.0 MSA 158.4 SSA 11.2
 BOE .8937 BRA .8412 BC3 1.0812 FSP -1528 SG1 2143.4 SG2 299.0 THA 11.35 EL1 1450.1 EL2 29.3 ALF 6.78

LAUNCH DATE MAY 21 1967

FLIGHT TIME 132.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 343.429

RL 151.40 LAL -1.00 LOL 239.28 VL 26.714 GAL 2.63 AZL 94.72 HCA 145.96 SMA 127.67 ECC .19132 INC 4.7219 V1 29.428
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.536 GAP -6.84 AZP 86.08 TAL 168.73 TAP 314.69 RCA 103.24 APO 152.09 V2 34.957
 RC 59.590 GL -36.51 GP 13.53 ZAL 76.09 ZAP 31.23 ETS 335.98 ZAE 145.11 ETE 36.00 ZAC 85.33 ETC 12.89 CLP -28.42

PLANETOCENTRIC CONIC

C3 13.631 VHL 3.692 OLA -28.18 RAL 152.53 RAD 6567.5 VEL 11.620 PTH 2.04 VHP 4.958 DPA 16.62 RAP 184.18 ECC 1.2243
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 13 48 885.06 19.81 323.81 14.37 110.66 11 28 33 285.1 22.44 316.13
 90.00 12 3 19 724.39 23.31 313.34 15.64 106.55 12 15 24 124.4 25.36 305.26
 100.00 11 35 2 816.37 15.49 316.83 12.43 115.89 11 48 38 216.4 18.85 309.64
 100.00 14 24 47 5556.36 27.87 258.94 16.89 101.27 15 57 23 4956.4 29.14 250.37
 110.00 11 36 49 810.73 10.13 313.31 9.34 122.82 11 50 20 210.7 14.39 306.80
 110.00 16 39 28 5134.76 33.96 227.89 17.85 94.14 18 5 3 4534.8 34.16 218.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .9043 TRA -.7831 TC3 .9322 BAU .2045 SGT 2084.1 SGR 597.5 SG3 564.7 ST 1463.1 SR 269.7 SS 2120.9
 ROE .1649 RRA -.1593 RC3 .6249 FAU .07377 RRT .8538 RRF -.9171 RTF -.9435 CRT .9988 CRS .9871 CST .9919
 FDE-3.1494 FRA 1.4881 FC3-4.6854 BSP 7055 SGB 2168.1 R23 -.1810 R13 -.9504 LSA 2586.0 MSA 156.3 SSA 10.2
 BOE .9192 BRA .7991 BC3 1.1222 FSP -1706 SG1 2147.0 SG2 301.9 THA 14.04 EL1 1487.7 EL2 12.9 ALF 10.43

LAUNCH DATE MAY 21 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 350.027

RL 151.40 LAL -.00 LOL 239.28 VL 26.768 GAL 2.51 AZL 94.92 HCA 149.15 SMA 128.02 ECC .18764 INC 4.9156 V1 29.428
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.586 GAP -6.27 AZP 85.78 TAL 169.00 TAP 318.15 RCA 104.00 APO 152.04 V2 34.970
 RC 61.464 GL -38.27 GP 15.62 ZAL 76.99 ZAP 34.78 ETS 335.60 ZAE 144.52 ETE 38.54 ZAC 84.71 ETC 12.66 CLP -31.48

PLANETOCENTRIC CONIC

C3 13.689 VHL 3.700 DLA -29.49 RAL 151.04 RAD 6567.5 VEL 11.622 PTH 2.04 VHP 4.714 DPA 18.45 RAP 185.24 ECC 1.2253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.39 10 21 57 1033.94 22.49 335.79 13.97 109.60 10 39 11 433.9 24.96 327.89
 98.61 12 43 19 5865.41 22.50 280.17 13.98 109.59 14 21 4 5265.4 24.97 272.27
 100.00 12 12 55 674.69 19.50 308.22 12.72 113.11 12 24 10 74.7 22.46 300.68
 100.00 13 35 2 5699.89 25.55 268.97 15.05 106.06 15 10 2 5099.9 27.51 260.71
 110.00 11 48 8 752.80 12.25 310.17 8.78 122.16 12 0 41 152.8 16.41 303.53
 110.00 16 16 19 5194.54 33.57 232.52 16.92 96.85 17 42 53 4594.5 34.15 223.32

DIFFERENTIAL CORRECTIONS

TDE .9159 TRA -.7396 TC3 .9122 BAU .2103
 RDE .2465 RRA -.1729 RC3 .6990 FAU .07986
 FDE-3.5580 FRA 1.5255 FC3-5.0502 BSP 7038
 BDE .9485 BRA .7596 BC3 1.1492 FSP -1888

MID-COURSE EXECUTION ACCURACY

SGT 2049.1 SGR 712.7 SG3 621.2
 RRT .8870 RRF -.9507 RTF -.9441
 SGB 2169.5 R23 -.2014 R13 -.9544
 SG1 2146.7 SG2 314.1 THA 17.53

ORBIT DETERMINATION ACCURACY

ST 1472.5 SR 393.1 SS 2268.8
 CRT .9991 CRS .9957 CST .9922
 LSA 2728.7 MSA 155.4 SSA 9.2
 EL1 1523.9 EL2 16.3 ALF 14.93

LAUNCH DATE MAY 21 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 356.608

RL 151.40 LAL -.00 LOL 239.28 VL 26.816 GAL 2.40 AZL 95.15 HCA 152.34 SMA 128.34 ECC .18436 INC 5.1494 V1 29.428
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.632 GAP -5.71 AZP 85.44 TAL 169.25 TAP 321.60 RCA 104.68 APO 152.00 V2 34.983
 RC 63.388 GL -40.13 GP 18.20 ZAL 77.86 ZAP 38.69 ETS 335.09 ZAE 143.75 ETE 41.89 ZAC 84.19 ETC 12.43 CLP -34.75

PLANETOCENTRIC CONIC

C3 13.920 VHL 3.731 DLA -30.92 RAL 149.52 RAD 6567.5 VEL 11.632 PTH 2.04 VHP 4.500 DPA 20.81 RAP 186.36 ECC 1.2291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.04 9 43 13 1141.57 23.44 344.19 13.12 110.76 10 2 15 541.6 26.05 336.28
 102.96 13 9 54 5765.09 23.45 273.07 13.12 110.75 14 45 59 5165.1 26.06 265.16
 77.04 9 43 13 1141.57 23.44 344.19 13.12 110.76 10 2 15 541.6 26.05 336.28
 102.96 13 9 54 5765.09 23.45 273.07 13.12 110.75 14 45 59 5165.1 26.06 265.16
 110.00 12 3 55 683.82 14.72 306.34 8.63 121.21 12 15 19 83.8 18.75 299.54
 110.00 15 48 23 5270.84 32.80 238.34 16.06 100.22 17 16 14 4670.8 33.86 229.26

DIFFERENTIAL CORRECTIONS

TDE .9264 TRA -.6928 TC3 .8702 BAU .2182
 RDE .3526 RRA -.1897 RC3 .7855 FAU .08591
 FDE-4.0214 FRA 1.5425 FC3-5.3434 BSP 7087
 BDE .9913 BRA .7183 BC3 1.1723 FSP -2085

MID-COURSE EXECUTION ACCURACY

SGT 1995.9 SGR 867.3 SG3 678.5
 RRT .9083 RRF -.9719 RTF -.9443
 SGB 2176.2 R23 -.2126 R13 -.9597
 SG1 2149.9 SG2 336.8 THA 22.11

ORBIT DETERMINATION ACCURACY

ST 1470.7 SR 551.3 SS 2423.2
 CRT .9974 CRS .9985 CST .9925
 LSA 2883.5 MSA 154.3 SSA 8.2
 EL1 1570.2 EL2 37.3 ALF 20.51

LAUNCH DATE MAY 21 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 363.171

RL 151.40 LAL -.00 LOL 239.28 VL 26.858 GAL 2.31 AZL 95.44 HCA 155.54 SMA 128.62 ECC .18148 INC 5.4391 V1 29.428
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.675 GAP -5.18 AZP 85.05 TAL 169.48 TAP 325.02 RCA 105.28 APO 151.96 V2 34.996
 RC 65.357 GL -42.14 GP 21.41 ZAL 78.71 ZAP 43.01 ETS 334.49 ZAE 142.60 ETE 46.12 ZAC 83.75 ETC 12.20 CLP -38.24

PLANETOCENTRIC CONIC

C3 14.372 VHL 3.791 DLA -32.49 RAL 147.94 RAD 6567.6 VEL 11.651 PTH 2.05 VHP 4.325 DPA 23.81 RAP 187.61 ECC 1.2365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.35 9 11 38 1227.82 24.40 351.14 12.51 112.16 9 32 6 627.8 27.18 343.23
 106.65 13 28 52 5692.92 24.41 268.01 12.52 112.14 15 3 45 5092.9 27.19 260.09
 73.35 9 11 38 1227.82 24.40 351.14 12.51 112.16 9 32 6 627.8 27.18 343.23
 106.65 13 28 52 5692.92 24.41 268.01 12.52 112.14 15 3 45 5092.9 27.19 260.09
 110.00 12 28 48 5878.49 17.94 278.93 9.15 119.60 14 6 47 5278.5 21.74 271.86
 110.00 15 10 52 5378.29 31.22 246.31 15.08 104.69 16 40 30 4778.3 32.92 237.50

DIFFERENTIAL CORRECTIONS

TDE .9304 TRA -.6491 TC3 .7919 BAU .2275
 RDE .4931 RRA -.2114 RC3 .8806 FAU .09093
 FDE-4.5238 FRA 1.5433 FC3-5.4776 BSP 7103
 BDE 1.0530 BRA .6826 BC3 1.1843 FSP -2259

MID-COURSE EXECUTION ACCURACY

SGT 1921.1 SGR 1069.8 SG3 731.3
 RRT .9192 RRF -.9845 RTF -.9424
 SGB 2198.9 R23 -.2130 R13 -.9659
 SG1 2167.0 SG2 373.4 THA 28.01

ORBIT DETERMINATION ACCURACY

ST 1449.0 SR 754.1 SS 2574.1
 CRT .9957 CRS .9995 CST .9925
 LSA 3044.7 MSA 154.6 SSA 7.2
 EL1 1632.3 EL2 62.1 ALF 27.43

LAUNCH DATE MAY 21 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 369.715

RL 151.40 LAL -.00 LOL 239.28 VL 26.895 GAL 2.23 AZL 95.81 HCA 158.74 SMA 128.87 ECC .17896 INC 5.8101 V1 29.428
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.713 GAP -4.65 AZP 84.58 TAL 169.67 TAP 328.41 RCA 105.81 APO 151.94 V2 35.009
 RC 67.365 GL -44.37 GP 25.45 ZAL 79.54 ZAP 47.83 ETS 333.81 ZAE 140.76 ETE 51.21 ZAC 83.33 ETC 11.96 CLP -41.97

PLANETOCENTRIC CONIC

C3 15.135 VHL 3.890 DLA -34.27 RAL 146.25 RAD 6567.6 VEL 11.684 PTH 2.05 VHP 4.202 DPA 27.64 RAP 189.16 ECC 1.2491
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.83 8 42 49 1307.25 25.34 357.73 12.20 113.89 9 4 36 707.2 28.35 349.83
 110.17 13 44 12 5636.55 25.36 264.09 12.21 113.87 15 18 9 5036.6 28.36 256.20
 69.83 8 42 49 1307.25 25.34 357.73 12.20 113.89 9 4 36 707.2 28.35 349.83
 110.17 13 44 12 5636.55 25.36 264.09 12.21 113.87 15 18 9 5036.6 28.36 256.20
 69.83 8 42 49 1307.25 25.34 357.73 12.20 113.89 9 4 36 707.2 28.35 349.83
 110.17 13 44 12 5636.55 25.36 264.09 12.21 113.87 15 18 9 5036.6 28.36 256.20

DIFFERENTIAL CORRECTIONS

TDE .9337 TRA -.6025 TC3 .6918 BAU .2431
 RDE .6856 RRA -.2358 RC3 .9825 FAU .09441
 FDE-5.0554 FRA 1.4958 FC3-5.4001 BSP 7283
 BDE 1.1584 BRA .6470 BC3 1.2016 FSP -2409

MID-COURSE EXECUTION ACCURACY

SGT 1825.9 SGR 1334.4 SG3 773.7
 RRT .9240 RRF -.9917 RTF -.9396
 SGB 2261.5 R23 -.1950 R13 -.9742
 SG1 2222.3 SG2 419.2 THA 35.48

ORBIT DETERMINATION ACCURACY

ST 1412.5 SR 1017.9 SS 2718.8
 CRT .9943 CRS .9998 CST .9924
 LSA 3224.8 MSA 154.5 SSA 6.2
 EL1 1738.8 EL2 87.9 ALF 35.73

LAUNCH DATE MAY 21 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 376.239

RL 151.40 LAL -.00 LOL 239.28 VL 26.928 GAL 2.16 AZL 96.31 HCA 161.94 SMA 129.09 ECC .17678 INC 6.3061 V1 29.428
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.749 GAP -4.14 AZP 84.00 TAL 169.83 TAP 331.76 RCA 106.27 APO 151.91 V2 35.023
 RC 69.409 GL -46.91 GP 30.61 ZAL 80.38 ZAP 53.23 ETS 333.13 ZAE 137.81 ETE 56.96 ZAC 82.87 ETC 11.70 CLP -45.93

PLANETOCENTRIC CONIC

C3 16.381 VHL 4.047 DLA -36.34 RAL 144.38 RAD 6567.7 VEL 11.737 PTH 2.07 VHP 4.154 DPA 32.50 RAP 191.27 ECC 1.2696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.21 8 14 51 1386.79 26.24 4.49 12.29 116.09 8 37 58 786.8 29.52 356.65
 113.79 13 57 15 5592.82 26.25 261.09 12.30 116.08 15 30 28 4992.8 29.53 253.25
 66.21 8 14 51 1386.79 26.24 4.49 12.29 116.09 8 37 58 786.8 29.52 356.65
 113.79 13 57 15 5592.82 26.25 261.09 12.30 116.08 15 30 28 4992.8 29.53 253.25
 66.21 8 14 51 1386.79 26.24 4.49 12.29 116.09 8 37 58 786.8 29.52 356.65
 113.79 13 57 15 5592.82 26.25 261.09 12.30 116.08 15 30 28 4992.8 29.53 253.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9326 TRA -.5588 TC3 .5588 BAU .2651 SGT 1706.5 SGR 1672.7 SG3 792.1 ST 1352.8 SR 1360.0 SS 2835.3
 RDE .9556 RRA -.2622 RC3 1.0739 FAU .09423 RRT .9220 RRF -.9955 RTF -.9333 CRT .9930 CRS 1.0000 CST .9920
 FDE-5.5553 FRA 1.3872 FC3 4.9799 BSP 7628 SGB 2389.5 R23 -.1617 R13 -.9831 LSA 3419.7 MSA 155.8 SSA 5.3
 BDE 1.3353 BRA .6172 BC3 1.2106 FSP -2479 SG1 2342.5 SG2 471.9 THA 44.38 EL1 1914.9 EL2 113.2 ALF 45.15

LAUNCH DATE MAY 21 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 382.743

RL 151.40 LAL -.00 LOL 239.28 VL 26.955 GAL 2.11 AZL 97.01 HCA 165.14 SMA 129.28 ECC .17492 INC 7.0078 V1 29.428
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.781 GAP -3.64 AZP 83.22 TAL 169.95 TAP 335.08 RCA 106.66 APO 151.89 V2 35.036
 RC 71.485 GL -49.89 GP 37.25 ZAL 81.26 ZAP 59.28 ETS 332.52 ZAE 133.21 ETE 62.97 ZAC 82.23 ETC 11.37 CLP -50.08

PLANETOCENTRIC CONIC

C3 18.467 VHL 4.297 DLA -38.78 RAL 142.19 RAD 6567.7 VEL 11.826 PTH 2.09 VHP 4.230 DPA 38.65 RAP 194.50 ECC 1.3039
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.31 7 46 14 1472.61 26.96 11.92 12.90 119.01 8 10 47 872.6 30.60 4.21
 117.69 14 8 24 5562.50 26.97 259.04 12.91 118.99 15 41 7 4962.5 30.61 251.32
 62.31 7 46 14 1472.61 26.96 11.92 12.90 119.01 8 10 47 872.6 30.60 4.21
 117.69 14 8 24 5562.50 26.97 259.04 12.91 118.99 15 41 7 4962.5 30.61 251.32
 62.31 7 46 14 1472.61 26.96 11.92 12.90 119.01 8 10 47 872.6 30.60 4.21
 117.69 14 8 24 5562.50 26.97 259.04 12.91 118.99 15 41 7 4962.5 30.61 251.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9422 TRA -.5133 TC3 .4194 BAU .2988 SGT 1574.3 SGR 2104.7 SG3 771.3 ST 1283.5 SR 1808.0 SS 2905.2
 RDE 1.3516 RRA -.2808 RC3 1.1352 FAU .08900 RRT .9165 RRF -.9976 RTF -.9255 CRT .9919 CRS 1.0000 CST .9914
 FDE-5.9442 FRA 1.1714 FC3 4.1722 BSP 8445 SGB 2628.4 R23 -.1158 R13 -.9912 LSA 3651.3 MSA 156.0 SSA 4.3
 BDE 1.6475 BRA .5851 BC3 1.2102 FSP -2446 SG1 2577.6 SG2 514.2 THA 53.91 EL1 2213.3 EL2 132.9 ALF 54.70

LAUNCH DATE MAY 21 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 389.223

RL 151.40 LAL -.00 LOL 239.28 VL 26.979 GAL 2.07 AZL 98.08 HCA 168.33 SMA 129.44 ECC .17338 INC 8.0844 V1 29.428
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.810 GAP -3.15 AZP 82.08 TAL 170.03 TAP 338.36 RCA 107.00 APO 151.88 V2 35.049
 RC 73.590 GL -53.49 GP 45.85 ZAL 82.25 ZAP 66.01 ETS 332.09 ZAE 126.31 ETE 68.62 ZAC 81.22 ETC 10.78 CLP -54.30

PLANETOCENTRIC CONIC

C3 22.252 VHL 4.717 DLA -41.74 RAL 139.45 RAD 6567.9 VEL 11.985 PTH 2.14 VHP 4.533 DPA 46.26 RAP 200.05 ECC 1.3662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.95 7 15 31 1572.75 27.19 20.59 14.29 122.98 7 41 43 972.7 31.32 13.15
 122.05 14 17 17 5551.31 27.20 258.24 14.29 122.97 15 49 48 4951.3 31.33 250.80
 57.95 7 15 31 1572.75 27.19 20.59 14.29 122.98 7 41 43 972.7 31.32 13.15
 122.05 14 17 17 5551.31 27.20 258.24 14.29 122.97 15 49 48 4951.3 31.33 250.80
 57.95 7 15 31 1572.75 27.19 20.59 14.29 122.98 7 41 43 972.7 31.32 13.15
 122.05 14 17 17 5551.31 27.20 258.24 14.29 122.97 15 49 48 4951.3 31.33 250.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .9802 TRA -.4729 TC3 .2791 BAU .3405 SGT 1441.9 SGR 2632.9 SG3 686.9 ST 1212.7 SR 2377.7 SS 2873.7
 RDE 1.9543 RRA -.2755 RC3 1.1100 FAU .07552 RRT .9079 RRF -.9986 RTF -.9161 CRT .9909 CRS 1.0000 CST .9908
 FDE-6.0313 FRA .8387 FC3 2.9383 BSP 9800 SGB 3001.9 R23 -.0718 R13 -.9963 LSA 3919.0 MSA 156.0 SSA 3.5
 BDE 2.1863 BRA .5473 BC3 1.1446 FSP -2215 SG1 2953.2 SG2 538.9 THA 62.57 EL1 2665.2 EL2 145.8 ALF 63.10

LAUNCH DATE MAY 21 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 395.682

RL 151.40 LAL -.00 LOL 239.28 VL 26.998 GAL 2.05 AZL 99.96 HCA 171.53 SMA 129.57 ECC .17213 INC 9.9612 V1 29.428
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.836 GAP -2.68 AZP 80.15 TAL 170.05 TAP 341.58 RCA 107.27 APO 151.87 V2 35.062
 RC 75.721 GL -57.97 GP 56.97 ZAL 83.47 ZAP 73.28 ETS 331.73 ZAE 116.46 ETE 72.94 ZAC 79.54 ETC 9.29 CLP -58.15

PLANETOCENTRIC CONIC

C3 30.310 VHL 5.505 DLA -45.34 RAL 135.75 RAD 6568.2 VEL 12.316 PTH 2.22 VHP 5.330 DPA 55.08 RAP 210.83 ECC 1.4988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.98 6 40 52 1702.24 26.06 31.29 16.84 128.52 7 9 14 1102.2 30.86 24.42
 127.02 14 22 24 5574.58 26.07 259.42 16.85 128.51 15 55 19 4974.6 30.87 252.55
 52.98 6 40 52 1702.24 26.06 31.29 16.84 128.52 7 9 14 1102.2 30.86 24.42
 127.02 14 22 24 5574.58 26.07 259.42 16.85 128.51 15 55 19 4974.6 30.87 252.55
 52.98 6 40 52 1702.24 26.06 31.29 16.84 128.52 7 9 14 1102.2 30.86 24.42
 127.02 14 22 24 5574.58 26.07 259.42 16.85 128.51 15 55 19 4974.6 30.87 252.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.0895 TRA -.4812 TC3 .1122 BAU .3522 SGT 1344.9 SGR 3179.9 SG3 514.7 ST 1153.9 SR 3015.7 SS 2632.3
 RDE 2.8957 RRA -.2432 RC3 .8619 FAU .04860 RRT .8864 RRF -.9990 RTF -.8967 CRT .9887 CRS 1.0000 CST .9890
 FDE-5.4880 FRA .4920 FC3 1.3882 BSP 10569 SGB 3452.6 R23 -.0421 R13 -.9984 LSA 4162.6 MSA 165.4 SSA 2.7
 BDE 3.0939 BRA .5392 BC3 .8691 FSP -1565 SG1 3403.3 SG2 581.7 THA 68.80 EL1 3224.8 EL2 161.9 ALF 69.22

LAUNCH DATE MAY 21 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 402.095

RL 151.40 LAL -.00 LOL 239.28 VL 27.014 GAL 2.05 AZL 104.08 HCA 174.70 SMA 129.68 ECC .17116 INC14.0785 V1 29.428
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.859 GAP -2.22 AZP 75.98 TAL 170.01 TAP 344.71 RCA 107.48 APO 151.87 V2 35.075
 RC 77.874 GL -63.32 GP 71.31 ZAL 85.13 ZAP 80.58 ETS 328.75 ZAE 102.87 ETE 72.57 ZAC 76.72 ETC 3.31 CLP -59.28

PLANETOCENTRIC CONIC

C3 54.018 VHL 7.350 CLA -49.39 RAL 130.46 RAD 6569.0 VEL 13.243 PTH 2.42 VHP 7.538 DPA 63.00 RAP 234.44 ECC 1.8890
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.68 6 1 13 1893.76 21.06 44.75 21.17 135.77 6 32 47 1293.8 26.68 38.93
 132.32 14 19 51 5673.53 21.08 263.97 21.18 135.77 15 54 25 5073.5 26.69 258.15
 47.68 6 1 13 1893.76 21.06 44.75 21.17 135.77 6 32 47 1293.8 26.68 38.93
 132.32 14 19 51 5673.53 21.08 263.97 21.18 135.77 15 54 25 5073.5 26.69 258.15
 47.68 6 1 13 1893.76 21.06 44.75 21.17 135.77 6 32 47 1293.8 26.68 38.93
 132.32 14 19 51 5673.53 21.08 263.97 21.18 135.77 15 54 25 5073.5 26.69 258.15

DIFFERENTIAL CORRECTIONS

TDE 1.8775 TRA -.5156 TC3 .0457 BAU .2969
 RDE 4.6020 RRA -.0028 RC3 .4086 FAU .01860
 FDE 4.3116 FRA .0928 FC3 -.2981 BSP 12098
 BDE 4.9703 BRA .5156 BC3 .4111 FSP -874

MID-COURSE EXECUTION ACCURACY

SGT 1590.0 SGR 3637.5 SG3 293.0
 RRT .9152 RRF -.9988 RTF -.9305
 SGB 3969.8 R23 -.0215 R13 -.9994
 SG1 3925.2 SG2 593.8 THA 67.66

ORBIT DETERMINATION ACCURACY

ST 1475.3 SR 3587.7 SS 2189.2
 CRT .9921 CRS 1.0000 CST .9933
 LSA 4450.9 MSA 172.0 SSA 1.7
 EL1 3875.4 EL2 171.2 ALF 67.76

LAUNCH DATE MAY 21 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 408.368

RL 151.40 LAL -.00 LOL 239.28 VL 27.026 GAL 2.07 AZL 119.93 HCA 177.78 SMA 129.76 ECC .17052 INC29.9249 V1 29.428
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.880 GAP -1.80 AZP 60.09 TAL 169.82 TAP 347.60 RCA 107.64 APO 151.89 V2 35.088
 RC 80.046 GL -65.81 GP 84.67 ZAL 87.52 ZAP 86.78 ETS 195.69 ZAE 81.80 ETE 300.12 ZAC 70.94 ETC 223.21 CLP 52.73

PLANETOCENTRIC CONIC

C3 218.181 VHL 14.771 CLA -50.25 RAL 125.61 RAD 6571.2 VEL 18.425 PTH 3.04 VHP 17.085 DPA 60.33 RAP 280.36 ECC 4.5907
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.58 5 38 19 2186.91 6.81 58.00 29.90 139.91 6 14 46 1586.9 12.89 53.14
 133.42 14 4 4 661.74 6.83 297.60 29.91 139.91 14 15 6 61.7 12.91 292.75
 46.58 5 38 19 2186.91 6.81 58.00 29.90 139.91 6 14 46 1586.9 12.89 53.14
 133.42 14 4 4 661.74 6.83 297.60 29.91 139.91 14 15 6 61.7 12.91 292.75
 46.58 5 38 19 2186.91 6.81 58.00 29.90 139.91 6 14 46 1586.9 12.89 53.14
 133.42 14 4 4 661.74 6.83 297.60 29.91 139.91 14 15 6 61.7 12.91 292.75

DIFFERENTIAL CORRECTIONS

TDE 8.0620 TRA 1.0488 TC3 -.0893 BAU .4909
 RDE 7.3005 RRA .2053 RC3 .1427 FAU-.01270
 FDE -3.1730 FRA -.0724 FC3 .0504 BSP 12542
 BDE10.8763 BRA 1.0687 BC3 .1683 FSP -305

MID-COURSE EXECUTION ACCURACY

SGT 3202.1 SGR 2865.7 SG3 107.2
 RRT -.9685 RRF .9965 RTF -.9858
 SGB 4297.2 R23 -.0567 R13 .9984
 SG1 4263.7 SG2 535.8 THA 138.28

ORBIT DETERMINATION ACCURACY

ST 3133.0 SR 2832.1 SS 1816.9
 CRT -.9973 CRS -.9997 CST .9987
 LSA 4594.9 MSA 158.3 SSA .7
 EL1 4220.5 EL2 155.8 ALF 137.90

LAUNCH DATE MAY 21 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 415.459

RL 151.40 LAL -.00 LOL 239.28 VL 27.035 GAL 1.96 AZL 54.25 HCA 181.59 SMA 129.82 ECC .16960 INC35.7499 V1 29.428
 RP 107.96 LAP -.93 LOP 60.56 VP 37.898 GAP -1.17 AZP 125.74 TAL 170.30 TAP 351.89 RCA 107.81 APO 151.84 V2 35.101
 RC 82.236 GL 64.53 GP -76.60 ZAL 88.08 ZAP 88.71 ETS 167.64 ZAE 81.84 ETE 65.13 ZAC 97.19 ETC 140.46 CLP 84.43

PLANETOCENTRIC CONIC

C3 305.800 VHL 17.487 CLA 64.68 RAL 205.58 RAD 6571.8 VEL 20.667 PTH 3.17 VHP 24.517 DPA -71.83 RAP 64.66 ECC 6.0327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.06 22 8 9 4970.01 -5.28 241.42 113.08 25.43 23 30 59 4370.0 -12.49 238.32
 150.94 8 12 12 3255.99 -5.27 98.12 113.06 25.43 9 6 28 2656.0 -12.49 95.03
 29.06 22 8 9 4970.01 -5.28 241.42 113.08 25.43 23 30 59 4370.0 -12.49 238.32
 150.94 8 12 12 3255.99 -5.27 98.12 113.06 25.43 9 6 28 2656.0 -12.49 95.03
 29.06 22 8 9 4970.01 -5.28 241.42 113.08 25.43 23 30 59 4370.0 -12.49 238.32
 150.94 8 12 12 3255.99 -5.27 98.12 113.06 25.43 9 6 28 2656.0 -12.49 95.03

DIFFERENTIAL CORRECTIONS

TDE -2.2106 TRA -2.3677 TC3 -.1201 BAU .9783
 RDE -.2783 RRA -5.1548 RC3 -.2069 FAU-.01770
 FDE .1754 FRA 1.2323 FC3 .0501 BSP 10453
 BDE 2.2280 BRA 5.6726 BC3 .2393 FSP -202

MID-COURSE EXECUTION ACCURACY

SGT 1998.0 SGR 4016.3 SG3 83.1
 RRT .9390 RRF -.9993 RTF -.9511
 SGB 4485.9 R23 -.0298 R13 -.9996
 SG1 4442.6 SG2 621.4 THA 64.43

ORBIT DETERMINATION ACCURACY

ST 906.1 SR 1188.6 SS 612.3
 CRT .6604 CRS .9924 CST .7478
 LSA 1501.6 MSA 594.8 SSA .3
 EL1 1373.7 EL2 588.7 ALF 56.29

LAUNCH DATE MAY 21 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 421.579

RL 151.40 LAL -.00 LOL 239.28 VL 27.041 GAL 2.04 AZL 80.63 HCA 184.56 SMA 129.87 ECC .16951 INC 9.3648 V1 29.428
 RP 107.92 LAP -.74 LOP 63.78 VP 37.914 GAP -2.80 AZP 99.34 TAL 169.91 TAP 354.48 RCA 107.85 APO 151.88 V2 35.113
 RC 84.440 GL 57.22 GP -77.09 ZAL 83.16 ZAP 87.91 ETS 9.83 ZAE 107.25 ETE 269.33 ZAC 106.59 ETC 351.93 CLP -80.63

PLANETOCENTRIC CONIC

C3 27.359 VHL 5.231 CLA 56.93 RAL 199.35 RAD 6568.1 VEL 12.196 PTH 2.19 VHP 8.517 DPA -58.15 RAP 120.71 ECC 1.4503
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.30 22 6 20 4428.32 -32.52 215.89 84.84 40.32 23 20 8 3828.3 -38.45 209.71
 141.70 7 24 20 2797.31 -32.51 83.80 84.82 40.32 8 10 57 2197.3 -38.44 77.61
 38.30 22 6 20 4428.32 -32.52 215.89 84.84 40.32 23 20 8 3828.3 -38.45 209.71
 141.70 7 24 20 2797.31 -32.51 83.80 84.82 40.32 8 10 57 2197.3 -38.44 77.61
 38.30 22 6 20 4428.32 -32.52 215.89 84.84 40.32 23 20 8 3828.3 -38.45 209.71
 141.70 7 24 20 2797.31 -32.51 83.80 84.82 40.32 8 10 57 2197.3 -38.44 77.61

DIFFERENTIAL CORRECTIONS

TDE .5724 TRA .2827 TC3 -.2645 BAU .4574
 RDE .4677 RRA 2.0852 RC3 -1.2221 FAU .02569
 FDE .2518 FRA 1.3149 FC3 -.8129 BSP 13604
 BDE .7392 BRA 2.1043 BC3 1.2504 FSP -754

MID-COURSE EXECUTION ACCURACY

SGT 889.8 SGR 4406.9 SG3 240.8
 RRT .7780 RRF .9997 RTF .7687
 SGB 4495.8 R23 .0342 R13 .9993
 SG1 4461.7 SG2 552.2 THA 80.93

ORBIT DETERMINATION ACCURACY

ST 649.8 SR 1356.9 SS 617.3
 CRT .6072 CRS -.9986 CST -.5649
 LSA 1546.8 MSA 501.6 SSA 1.1
 EL1 1421.4 EL2 492.8 ALF 71.48

LAUNCH DATE MAY 21 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 427.906

RL 151.40 LAL -.00 LOL 239.28 VL 27.044 GAL 2.09 AZL 85.88 HCA 187.74 SMA 129.89 ECC .16949 INC 4.1208 V1 29.428
 RP 107.89 LAP -.55 LOP 66.99 VP 37.927 GAP -.38 AZP 94.08 TAL 169.67 TAP 357.41 RCA 107.87 APO 151.90 V2 35.125
 RC 86.655 GL 37.26 GP -63.15 ZAL 78.39 ZAP 89.64 ETS 1.72 ZAE 120.61 ETE 261.30 ZAC 110.59 ETC 351.74 CLP -89.20

PLANETOCENTRIC CONIC

C3 10.290 VHL 3.208 DLA 40.03 RAL 182.89 RAD 6567.4 VEL 11.475 PTH 1.99 VHP 5.499 DPA -46.06 RAP 132.48 ECC 1.1693
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.43 22 17 56 4013.58 -31.84 175.13 45.25 64.33 23 24 50 3413.6 -35.00 166.74
 119.57 5 1 26 2765.91 -31.82 80.17 45.25 64.31 5 47 32 2165.9 -34.99 71.78
 60.43 22 17 56 4013.58 -31.84 175.13 45.25 64.33 23 24 50 3413.6 -35.00 166.74
 119.57 5 1 26 2765.91 -31.82 80.17 45.25 64.31 5 47 32 2165.9 -34.99 71.78
 60.43 22 17 56 4013.58 -31.84 175.13 45.25 64.33 23 24 50 3413.6 -35.00 166.74
 119.57 5 1 26 2765.91 -31.82 80.17 45.25 64.31 5 47 32 2165.9 -34.99 71.78

DIFFERENTIAL CORRECTIONS

TDE .3368 TRA .3208 TC3-1.3567 BAU .5206
 RDE .3062 RRA 1.4055 RC3-3.5331 FAU .06149
 FDE .3761 FRA 1.9782 FC3-5.1735 BSP 13026
 BDE .4552 BRA 1.4416 BC3 3.7846 FSP -1573

MID-COURSE EXECUTION ACCURACY

SGT 1295.9 SGR 4023.2 SG3 494.5
 RRT .9121 RRF .9997 RTF .9095
 SGB 4226.7 R23 .0418 R13 .9988
 SG1 4195.9 SG2 509.5 THA 73.38

ORBIT DETERMINATION ACCURACY

ST 642.6 SR 1127.5 SS 732.6
 CRT .7613 CRS -.9984 CST -.7241
 LSA 1435.8 MSA 399.0 SSA 2.4
 EL1 1241.3 EL2 378.4 ALF 63.94

LAUNCH DATE MAY 21 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 434.243

RL 151.40 LAL -.00 LOL 239.28 VL 27.045 GAL 2.14 AZL 88.08 HCA 190.94 SMA 129.89 ECC .16967 INC 1.9247 V1 29.428
 RP 107.85 LAP -.37 LOP 70.21 VP 37.938 GAP .05 AZP 91.89 TAL 169.40 TAP .35 RCA 107.85 APO 151.93 V2 35.137
 RC 88.880 GL 19.90 GP -52.69 ZAL 75.41 ZAP 93.16 ETS 356.88 ZAE 129.99 ETE 254.11 ZAC 113.60 ETC 353.51 CLP -95.21

PLANETOCENTRIC CONIC

C3 7.112 VHL 2.667 DLA 24.22 RAL 174.30 RAD 6567.2 VEL 11.336 PTH 1.95 VHP 4.377 DPA -36.15 RAP 137.37 ECC 1.1170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 35 2877.34 -28.32 87.48 27.73 89.98 4 8 32 2277.3 -28.02 78.82
 90.00 22 50 15 3762.39 -13.60 147.07 24.24 64.92 23 52 57 3162.4 -16.87 139.91
 100.00 5 2 18 2549.37 -29.79 63.31 27.70 92.54 5 44 48 1949.4 -29.12 54.57
 100.00 23 51 13 3565.59 -12.27 131.93 23.57 62.53 24 50 38 2965.6 -15.86 124.98
 110.00 6 50 30 2210.85 -33.20 37.21 27.31 98.64 7 27 21 1610.9 -31.65 28.33
 110.00 0 23 26 3476.87 -9.31 123.46 21.81 56.96 1 21 23 2876.9 -13.60 116.98

DIFFERENTIAL CORRECTIONS

TDE .1450 TRA .3617 TC3-2.6355 BAU .5092
 RDE .0011 RRA 1.0883 RC3-4.6617 FAU .09430
 FDE -.1061 FRA 2.5884 FC-11.4788 BSP 12176
 BDE .1450 BRA 1.1468 BC3 5.3551 FSP -2388

MID-COURSE EXECUTION ACCURACY

SGT 1673.1 SGR 3571.5 SG3 746.9
 RRT .9507 RRF .9995 RTF .9495
 SGB 3944.0 R23 .0570 R13 .9979
 SG1 3915.4 SG2 473.5 THA 65.62

ORBIT DETERMINATION ACCURACY

ST 405.2 SR 772.8 SS 700.6
 CRT .6402 CRS -.9920 CST -.5386
 LSA 1071.4 MSA 322.9 SSA 5.1
 EL1 822.1 EL2 292.6 ALF 68.60

LAUNCH DATE MAY 21 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 440.572

RL 151.40 LAL -.00 LOL 239.28 VL 27.043 GAL 2.21 AZL 89.28 HCA 194.16 SMA 129.88 ECC .17005 INC .7143 V1 29.428
 RP 107.82 LAP -.17 LOP 73.43 VP 37.948 GAP .47 AZP 90.69 TAL 169.09 TAP 3.25 RCA 107.79 APO 151.96 V2 35.149
 RC 91.113 GL 7.66 GP -44.49 ZAL 73.86 ZAP 97.66 ETS 353.48 ZAE 136.43 ETE 245.93 ZAC 116.07 ETC 355.49 CLP -100.77

PLANETOCENTRIC CONIC

C3 6.397 VHL 2.529 DLA 12.75 RAL 169.75 RAD 6567.2 VEL 11.304 PTH 1.94 VHP 3.856 DPA -28.04 RAP 139.67 ECC 1.1053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 14 2386.58 -23.34 52.68 18.12 106.51 5 49 0 1786.6 -20.85 44.89
 90.00 20 25 18 4216.35 .57 172.89 15.62 61.69 21 35 34 3616.3 -3.22 166.26
 100.00 6 37 9 2103.02 -24.15 31.55 17.85 108.17 7 12 12 1503.0 -21.44 23.80
 100.00 21 40 3 3975.14 1.31 154.74 15.21 60.13 22 46 18 3375.1 -2.67 148.22
 110.00 8 0 14 1843.08 -26.29 10.93 16.97 112.68 8 30 57 1243.1 -22.99 3.33
 110.00 22 33 28 3807.85 3.25 140.84 14.00 55.95 23 36 56 3207.9 -1.24 134.64

DIFFERENTIAL CORRECTIONS

TDE -.0301 TRA .4208 TC3-3.6030 BAU .4964
 RDE -.1862 RRA .8858 RC3-4.5508 FAU .11917
 FDE -.8315 FRA 3.0353 FC-16.1267 BSP 11513
 BDE .1886 BRA .9806 BC3 5.8044 FSP -3038

MID-COURSE EXECUTION ACCURACY

SGT 2069.2 SGR 3116.0 SG3 945.7
 RRT .9670 RRF .9992 RTF .9664
 SGB 3740.5 R23 .0771 R13 .9962
 SG1 3714.2 SG2 442.2 THA 56.76

ORBIT DETERMINATION ACCURACY

ST 305.9 SR 750.7 SS 947.0
 CRT .9294 CRS -.9919 CST -.8759
 LSA 1237.4 MSA 150.5 SSA 11.8
 EL1 803.8 EL2 105.5 ALF 68.88

LAUNCH DATE MAY 21 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 446.886

RL 151.40 LAL -.00 LOL 239.28 VL 27.038 GAL 2.29 AZL 90.05 HCA 197.38 SMA 129.85 ECC .17062 INC .0357 V1 29.428
 RP 107.78 LAP .02 LOP 76.66 VP 37.955 GAP .89 AZP 89.95 TAL 168.74 TAP 6.12 RCA 107.69 APO 152.00 V2 35.160
 RC 93.352 GL -.58 GP -37.96 ZAL 72.92 ZAP 102.58 ETS 351.09 ZAE 140.46 ETE 237.03 ZAC 118.13 ETC 357.47 CLP -106.04

PLANETOCENTRIC CONIC

C3 6.356 VHL 2.521 DLA 4.85 RAL 167.22 RAD 6567.2 VEL 11.303 PTH 1.94 VHP 3.598 DPA -21.40 RAP 140.77 ECC 1.1046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 2 0 2129.22 -17.41 36.15 13.74 112.69 6 37 29 1529.2 -14.19 28.96
 90.00 19 12 21 4471.49 8.69 187.25 12.75 62.94 20 26 52 3871.5 4.99 180.52
 100.00 7 25 37 1859.49 -18.12 15.99 13.42 114.19 7 56 37 1259.5 -14.70 8.87
 100.00 20 31 24 4216.45 9.37 168.13 12.39 61.48 21 41 41 3616.5 5.49 161.49
 110.00 8 39 6 1629.53 -20.00 357.55 12.44 118.32 9 6 15 1029.5 -16.06 350.64
 110.00 21 34 25 4019.18 11.17 152.07 11.31 57.48 22 41 24 3419.2 6.81 145.70

DIFFERENTIAL CORRECTIONS

TDE -.1965 TRA .4907 TC3-4.2606 BAU .4938
 RDE -.2752 RRA .7434 RC3-3.9519 FAU .13452
 FDE -1.5390 FRA 3.3306 FC-18.3237 BSP 11138
 BDE .3381 BRA .8907 BC3 5.8113 FSP -3459

MID-COURSE EXECUTION ACCURACY

SGT 2463.2 SGR 2690.0 SG3 1076.7
 RRT .9746 RRF .9986 RTF .9745
 SGB 3647.4 R23 .0971 R13 .9939
 SG1 3624.3 SG2 409.5 THA 47.59

ORBIT DETERMINATION ACCURACY

ST 562.5 SR 808.3 SS 1300.7
 CRT .9984 CRS -.9945 CST -.9966
 LSA 1629.5 MSA 75.8 SSA 21.9
 EL1 984.4 EL2 25.7 ALF 55.18

LAUNCH DATE MAY 21 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC
 RL 151.40 LAL -.00 LOL 239.28 VL 27.032 GAL 2.38 AZL 90.59 HCA 200.61 SMA 129.80 ECC .17137 INC .5882 V1 29.428
 RP 107.75 LAP .21 LOP 79.88 VP 37.960 GAP 1.31 AZP 89.45 TAL 168.34 TAP 8.95 RCA 107.56 APO 152.05 V2 35.170
 RC 95.596 GL -6.23 GP -32.67 ZAL 72.16 ZAP 107.57 ETS 349.45 ZAE 142.54 ETE 228.09 ZAC 119.81 ETC 359.40 CLP-111.02

PLANETOCENTRIC CONIC
 C3 6.544 VHL 2.558 DLA -.69 RAL 165.82 RAD 6567.2 VEL 11.311 PTH 1.94 VHP 3.479 DPA -15.95 RAP 141.29 ECC 1.1077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 42 1961.92 -12.75 26.08 11.93 115.50 7 10 24 1361.9 -9.21 19.19
 90.00 18 25 30 4648.77 13.99 197.57 12.07 65.13 19 42 58 4048.8 10.52 190.61
 100.00 7 58 43 1700.57 -13.43 6.51 11.58 116.96 8 27 4 1100.6 -9.71 359.70
 100.00 19 47 9 4385.36 14.68 177.85 11.73 63.67 21 0 15 3785.4 11.02 170.97
 110.00 9 6 14 1489.26 -15.27 349.43 10.53 120.96 9 31 3 889.3 -11.05 342.86
 110.00 20 56 8 4169.44 16.52 160.43 10.70 59.64 22 5 38 3569.4 12.37 153.79

DIFFERENTIAL CORRECTIONS
 TOE -.3589 TRA .5650 TC3-4.7244 BAU .5047
 RDE -.3082 RRA .6337 RC3-3.3110 FAU .14255
 FDE-2.1395 FRA 3.4818 FC-18.8579 BSP 11184
 BDE .4731 BRA .8491 BC3 5.7691 FSP -3708

MID-COURSE EXECUTION ACCURACY
 SGT 2844.4 SGR 2315.4 SG3 1149.1
 RRT .9788 RRF .9977 RTF .9792
 SGB 3667.7 R23 .1106 R13 .9916
 SG1 3649.0 SG2 369.9 THA 39.02

ORBIT DETERMINATION ACCURACY
 ST 892.0 SR 812.6 SS 1605.5
 CRT .9936 CRS -.9951 CST -.9995
 LSA 2006.8 MSA 76.0 SSA 21.2
 EL1 1204.8 EL2 67.7 ALF 42.32

LAUNCH DATE MAY 21 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC
 RL 151.40 LAL -.00 LOL 239.28 VL 27.023 GAL 2.49 AZL 90.98 HCA 203.84 SMA 129.74 ECC .17232 INC .9844 V1 29.428
 RP 107.72 LAP .40 LOP 83.11 VP 37.964 GAP 1.72 AZP 89.10 TAL 167.90 TAP 11.73 RCA 107.39 APO 152.10 V2 35.180
 RC 97.843 GL -10.23 GP -28.36 ZAL 71.41 ZAP 112.43 ETS 348.34 ZAE 143.18 ETE 219.85 ZAC 121.12 ETC 1.24 CLP-115.70

PLANETOCENTRIC CONIC
 C3 6.825 VHL 2.612 DLA -4.74 RAL 165.13 RAD 6567.2 VEL 11.323 PTH 1.95 VHP 3.444 DPA -11.46 RAP 141.54 ECC 1.1123
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 9 1843.22 -9.17 19.19 11.42 116.91 7 35 52 1243.2 -5.49 12.45
 90.00 17 52 32 4782.03 17.64 205.64 12.45 67.48 19 12 14 4182.0 14.44 198.43
 100.00 8 24 15 1588.01 -9.87 .05 11.05 118.36 8 50 43 988.0 -6.01 353.40
 100.00 19 16 7 4512.48 18.37 185.49 12.12 65.99 20 31 19 3912.5 14.97 178.35
 110.00 9 27 23 1390.35 -11.73 343.95 9.95 122.34 9 50 34 790.4 -7.38 337.56
 110.00 20 29 28 4282.90 20.30 167.06 11.12 61.89 21 40 51 3682.9 16.38 160.13

DIFFERENTIAL CORRECTIONS
 TOE -.5168 TRA .6433 TC3-5.0578 BAU .5249
 RDE -.3079 RRA .5490 RC3-2.7413 FAU .14455
 FDE-2.5939 FRA 3.5358 FC-18.3357 BSP 11529
 BDE .6016 BRA .8457 BC3 5.7529 FSP -3810

MID-COURSE EXECUTION ACCURACY
 SGT 3205.1 SGR 1991.8 SG3 1174.2
 RRT .9807 RRF .9962 RTF .9822
 SGB 3773.6 R23 .1149 R13 .9899
 SG1 3759.0 SG2 331.7 THA 31.64

ORBIT DETERMINATION ACCURACY
 ST 1213.0 SR 767.7 SS 1831.9
 CRT .9910 CRS -.9947 CST -.9994
 LSA 2325.6 MSA 87.2 SSA 18.7
 EL1 1432.8 EL2 86.9 ALF 32.23

LAUNCH DATE MAY 21 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC
 RL 151.40 LAL -.00 LOL 239.28 VL 27.013 GAL 2.61 AZL 91.29 HCA 207.07 SMA 129.67 ECC .17344 INC 1.2905 V1 29.428
 RP 107.69 LAP .59 LOP 86.34 VP 37.965 GAP 2.13 AZP 88.85 TAL 167.41 TAP 14.48 RCA 107.18 APO 152.16 V2 35.190
 RC 100.092 GL -13.14 GP -24.79 ZAL 70.61 ZAP 117.06 ETS 347.61 ZAE 142.81 ETE 212.78 ZAC 122.09 ETC 2.97 CLP-120.07

PLANETOCENTRIC CONIC
 C3 7.150 VHL 2.674 DLA -7.82 RAL 164.92 RAD 6567.2 VEL 11.338 PTH 1.95 VHP 3.464 DPA -7.76 RAP 141.72 ECC 1.1177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 52 1754.05 -6.39 14.12 11.68 117.65 7 57 7 1154.0 -2.64 7.45
 90.00 17 28 8 4887.60 20.26 212.28 13.40 69.79 18 49 36 4287.6 17.33 204.83
 100.00 8 45 27 1503.78 -7.11 355.32 11.28 119.11 9 10 31 903.8 -3.18 348.75
 100.00 18 53 15 4613.10 21.03 191.77 13.09 68.26 20 10 8 4013.1 17.90 184.39
 110.00 9 45 6 1317.02 -9.03 339.98 10.12 123.11 10 7 3 717.0 -4.61 333.69
 110.00 20 10 5 4372.63 23.08 172.54 12.11 64.05 21 22 58 3772.6 19.40 165.34

DIFFERENTIAL CORRECTIONS
 TOE -.6694 TRA .7256 TC3-5.2931 BAU .5504
 RDE -.2893 RRA .4828 RC3-2.2658 FAU .14207
 FDE-2.9070 FRA 3.5252 FC-17.2009 BSP 12051
 BDE .7292 BRA .8715 BC3 5.7577 FSP -3794

MID-COURSE EXECUTION ACCURACY
 SGT 3540.2 SGR 1715.6 SG3 1164.2
 RRT .9810 RRF .9937 RTF .9840
 SGB 3934.0 R23 .1101 R13 .9887
 SG1 3922.5 SG2 300.3 THA 25.59

ORBIT DETERMINATION ACCURACY
 ST 1511.9 SR 695.5 SS 1987.6
 CRT .9887 CRS -.9932 CST -.9993
 LSA 2590.6 MSA 95.7 SSA 17.5
 EL1 1661.5 EL2 95.0 ALF 24.54

LAUNCH DATE MAY 21 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC
 RL 151.40 LAL -.00 LOL 239.28 VL 27.001 GAL 2.74 AZL 91.54 HCA 210.30 SMA 129.59 ECC .17475 INC 1.5360 V1 29.428
 RP 107.66 LAP .78 LOP 89.57 VP 37.965 GAP 2.53 AZP 88.67 TAL 166.88 TAP 17.18 RCA 106.95 APO 152.24 V2 35.199
 RC 102.344 GL -15.30 GP -21.83 ZAL 69.72 ZAP 121.40 ETS 347.13 ZAE 141.84 ETE 206.99 ZAC 122.72 ETC 4.57 CLP-124.14

PLANETOCENTRIC CONIC
 C3 7.503 VHL 2.739 DLA -10.24 RAL 165.06 RAD 6567.2 VEL 11.353 PTH 1.96 VHP 3.522 DPA -4.71 RAP 141.92 ECC 1.1235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 39 1684.28 -4.17 10.19 12.42 118.03 8 15 44 1084.3 -3.39 3.56
 90.00 17 9 29 4974.62 22.20 217.92 14.73 71.96 18 32 24 4374.6 19.53 210.27
 100.00 9 3 55 1438.23 -4.93 351.68 12.00 119.52 9 27 54 838.2 -.96 345.15
 100.00 18 35 54 4695.91 23.03 197.12 14.43 70.39 19 54 10 4095.9 20.14 189.51
 110.00 10 0 39 1260.61 -6.92 336.98 10.77 123.56 10 21 39 660.6 -2.46 330.73
 110.00 19 55 40 4446.29 25.19 177.22 13.48 66.09 21 9 46 3846.3 21.74 169.76

DIFFERENTIAL CORRECTIONS
 TOE -.8171 TRA .8111 TC3-5.4558 BAU .5789
 RDE -.2612 RRA .4308 RC3-1.8808 FAU .13667
 FDE-3.0998 FRA 3.4744 FC-15.7681 BSP 12684
 BDE .8579 BRA .9184 BC3 5.7709 FSP -3695

MID-COURSE EXECUTION ACCURACY
 SGT 3850.6 SGR 1482.8 SG3 1130.5
 RRT .9794 RRF .9899 RTF .9851
 SGB 4126.3 R23 .0987 R13 .9880
 SG1 4116.8 SG2 279.8 THA 20.77

ORBIT DETERMINATION ACCURACY
 ST 1787.9 SR 612.3 SS 2086.8
 CRT .9853 CRS -.9906 CST -.9993
 LSA 2813.5 MSA 102.2 SSA 17.1
 EL1 1887.3 EL2 99.2 ALF 18.70

LAUNCH DATE MAY 21 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 478.185

RL 151.40 LAL -.00 LOL 239.28 VL 26.988 GAL 2.88 AZL 91.74 HCA 213.54 SMA 129.50 ECC .17624 INC 1.7382 V1 29.42H
 RP 107.63 LAP .96 LOP 92.80 VP 37.963 GAP 2.94 AZP 88.55 TAL 166.30 TAP 19.84 RCA 106.68 APO 152.32 V2 35.20H
 RC 104.596 GL -16.93 GP -19.34 ZAL 68.76 ZAP 125.43 ETS 346.83 ZAE 140.53 ETE 202.37 ZAC 123.04 ETC 6.02 CLP-127.91

PLANETOCENTRIC CONIC

C3 7.880 VHL 2.807 CLA -12.19 RAL 165.47 RAD 6567.3 VEL 11.370 PTH 1.96 VHP 3.610 DPA -2.19 RAP 142.21 ECC 1.1297
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 28 1628.08 -2.36 7.05 13.50 118.23 8 32 36 1028.1 1.43 .42
 90.00 16 54 56 5048.65 23.68 222.84 16.32 74.00 18 19 5 4448.7 21.26 215.01
 100.00 9 20 35 1385.74 -3.16 348.79 13.06 119.74 9 43 41 785.7 .82 342.27
 100.00 18 22 30 4766.22 24.55 201.78 16.03 72.39 19 41 57 4166.2 21.91 193.9H
 110.00 10 14.45 1216.08 -5.24 334.63 11.77 123.83 10 35 1 616.1 -.76 328.41
 110.00 19 44 49 4508.65 26.85 181.31 15.11 68.00 20 59 58 3908.6 23.62 173.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9596 TRA .9002 TC3-5.5563 BAU .6083 SGT 4135.4 SGR 1288.0 SG3 1081.8 ST 2040.5 SR 528.0 SS 2143.3
 RDE -.2291 RRA .3894 RC3-1.5722 FAU .12950 RRT .9759 RRF .9842 RTF .9858 CRT .9800 CRS -.9862 CST -.9993
 FDE-3.1994 FRA 3.3967 FC-14.2284 BSP 13371 SGB 4331.3 R23 .0828 R13 .9876 LSA 3004.1 MSA 107.2 SSA 16.9
 BDE .9866 BRA .9808 BC3 5.7745 FSP -3549 SG1 4322.9 SG2 268.9 THA 16.97 EL1 2105.2 EL2 101.8 ALF 14.27

LAUNCH DATE MAY 21 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 484.386

RL 151.40 LAL -.00 LOL 239.28 VL 26.973 GAL 3.04 AZL 91.91 HCA 216.78 SMA 129.40 ECC .17791 INC 1.9087 V1 29.42H
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.960 GAP 3.34 AZP 88.47 TAL 165.69 TAP 22.46 RCA 106.38 APO 152.42 V2 35.216
 RC 106.849 GL -18.17 GP -17.25 ZAL 67.72 ZAP 129.17 ETS 346.64 ZAE 139.07 ETE 198.74 ZAC 123.09 ETC 7.31 CLP-131.40

PLANETOCENTRIC CONIC

C3 8.279 VHL 2.877 CLA -13.81 RAL 166.10 RAD 6567.3 VEL 11.387 PTH 1.97 VHP 3.719 DPA -.13 RAP 142.62 ECC 1.1363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 55 1581.82 -.87 4.47 14.85 118.30 8 48 17 981.8 2.92 357.84
 90.00 16 43 27 5113.26 24.82 227.23 18.10 75.92 18 8 41 4513.3 22.64 219.24
 100.00 9 35 59 1342.86 -1.71 346.43 14.39 119.85 9 58 21 742.9 2.27 339.91
 100.00 18 12 5 4827.45 25.75 205.94 17.83 74.27 19 32 32 4227.4 23.34 197.97
 110.00 10 27 53 1180.29 -3.88 332.75 13.04 123.99 10 47 33 580.3 .61 326.54
 110.00 19 36 40 4562.78 28.18 184.96 16.95 69.79 20 52 43 3962.8 25.16 177.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.0952 TRA .9960 TC3-5.5958 BAU .6364 SGT 4392.9 SGR 1125.2 SG3 1023.8 ST 2267.4 SR 446.8 SS 2163.6
 RDE -.1950 RRA .3572 RC3-1.3218 FAU .12106 RRT .9696 RRF .9759 RTF .9861 CRT .9711 CRS -.9785 CST -.9994
 FDE-3.2209 FRA 3.3147 FC-12.6587 BSP 14018 SGB 4534.7 R23 .0663 R13 .9872 LSA 3163.7 MSA 112.0 SSA 17.0
 BDE 1.1125 BRA 1.0581 BC3 5.7498 FSP -3356 SG1 4526.8 SG2 267.2 THA 14.00 EL1 2308.6 EL2 104.7 ALF 10.85

LAUNCH DATE MAY 21 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 490.567

RL 151.40 LAL -.00 LOL 239.28 VL 26.956 GAL 3.22 AZL 92.06 HCA 220.02 SMA 129.29 ECC .17976 INC 2.0553 V1 29.42H
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.955 GAP 3.74 AZP 88.43 TAL 165.03 TAP 25.05 RCA 106.04 APO 152.53 V2 35.223
 RC 109.101 GL -19.10 GP -15.48 ZAL 66.60 ZAP 132.62 ETS 346.52 ZAE 137.59 ETE 195.88 ZAC 122.88 ETC 8.44 CLP-134.64

PLANETOCENTRIC CONIC

C3 8.705 VHL 2.950 CLA -15.17 RAL 166.89 RAD 6567.3 VEL 11.406 PTH 1.97 VHP 3.846 DPA 1.56 RAP 143.17 ECC 1.1433
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 21 1543.21 .37 2.32 16.41 118.31 9 3 5 943.2 4.16 355.68
 90.00 16 34 22 5170.81 25.72 231.21 20.04 77.72 18 0 33 4570.8 23.77 223.08
 100.00 9 50 27 1307.39 -.51 344.49 15.92 119.89 10 12 14 707.4 3.47 337.96
 100.00 18 3 58 4881.87 26.70 209.70 19.79 76.03 19 25 20 4281.9 24.52 201.58
 110.00 10 40 17 1151.25 -2.77 331.23 14.51 124.08 10 59 28 551.3 1.72 325.03
 110.00 19 30 37 4610.76 29.26 188.27 18.94 71.48 20 47 28 4010.8 26.45 180.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2275 TRA 1.0949 TC3-5.5957 BAU .6642 SGT 4630.1 SGR 990.9 SG3 962.8 ST 2475.5 SR 373.3 SS 2163.8
 RDE -.1620 RRA .3311 RC3-1.1231 FAU .11252 RRT .9603 RRF .9642 RTF .9862 CRT .9567 CRS -.9655 CST -.9994
 FDE-3.1988 FRA 3.2206 FC-11.901 BSP 14689 SGB 4735.0 R23 .0498 R13 .9869 LSA 3307.0 MSA 115.9 SSA 17.1
 BDE 1.2381 BRA 1.1439 BC3 5.7073 FSP -3166 SG1 4727.2 SG2 270.9 THA 11.65 EL1 2501.2 EL2 107.5 ALF 8.22

LAUNCH DATE MAY 21 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 496.726

RL 151.40 LAL -.00 LOL 239.28 VL 26.939 GAL 3.40 AZL 92.18 HCA 223.26 SMA 129.17 ECC .18181 INC 2.1834 V1 29.42H
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.949 GAP 4.15 AZP 88.41 TAL 164.34 TAP 27.60 RCA 105.68 APO 152.65 V2 35.230
 RC 111.351 GL -19.78 GP -13.97 ZAL 65.42 ZAP 135.81 ETS 346.44 ZAE 136.14 ETE 193.63 ZAC 122.44 ETC 9.42 CLP-137.64

PLANETOCENTRIC CONIC

C3 9.162 VHL 3.027 CLA -16.33 RAL 167.83 RAD 6567.3 VEL 11.426 PTH 1.98 VHP 3.988 DPA 2.93 RAP 143.85 ECC 1.1508
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 2 1510.73 1.42 .50 18.14 118.28 9 17 13 910.7 5.19 353.85
 90.00 16 27 12 5222.94 26.42 234.87 22.12 79.42 17 54 15 4622.9 24.69 226.62
 100.00 10 4 12 1277.84 .49 342.87 17.62 119.89 10 25 30 677.8 4.47 336.33
 100.00 17 57 43 4931.06 27.46 213.16 21.88 77.70 19 19 54 4331.1 25.49 204.91
 110.00 10 52 9 1127.63 -1.87 330.00 16.15 124.14 11 10 57 527.6 2.62 323.79
 110.00 19 26 15 4654.04 30.16 191.32 21.08 73.08 20 43 49 4054.0 27.55 183.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3558 TRA 1.1989 TC3-5.5574 BAU .6909 SGT 4847.4 SGR 880.3 SG3 901.4 ST 2664.4 SR 307.8 SS 2147.2
 RDE -.1302 RRA .3102 RC3 -.9628 FAU .10404 RRT .9469 RRF .9483 RTF .9862 CRT .9322 CRS -.9430 CST -.9995
 FDE-3.1426 FRA 3.1264 FC3-9.8309 BSP 15344 SGB 4926.7 R23 .0353 R13 .9866 LSA 3433.6 MSA 119.7 SSA 17.2
 BDE 1.3620 BRA 1.2384 BC3 5.6402 FSP -2975 SG1 4918.8 SG2 278.9 THA 9.79 EL1 2679.9 EL2 110.8 ALF 6.16

LAUNCH DATE MAY 21 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 502.863

RL 151.40 LAL -.00 LOL 239.28 VL 26.920 GAL 3.61 AZL 92.30 HCA 226.50 SMA 129.04 ECC .18404 INC 2.2969 V1 29.42H
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.941 GAP 4.55 A7P 88.42 TAL 163.62 TAP 30.12 RCA 105.29 APO 152.79 V2 35.236
 RC 113.598 GL -20.28 GP -12.67 ZAL 64.18 ZAP 138.76 ETS 346.37 ZAE 134.76 ETE 191.85 ZAC 121.81 ETC 10.26 CLP-140.42

PLANETOCENTRIC CONIC

C3 9.655 VHL 3.107 DLA -17.34 RAL 168.90 RAD 6567.3 VEL 11.447 PTH 1.99 VHP 4.142 DPA 4.02 RAP 144.68 ECC 1.1589
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 6 1483.34 2.31 358.98 20.02 118.23 9 30 49 883.3 6.06 352.31
 90.00 16 21 38 5270.80 26.97 238.26 24.31 81.04 17 49 29 4670.8 25.46 229.92
 100.00 10 17 24 1253.22 1.33 341.52 19.48 119.87 10 38 18 653.2 5.29 334.97
 100.00 17 53 0 4976.15 28.07 216.37 24.10 79.29 19 15 56 4376.1 26.31 208.01
 110.00 11 3 36 1108.51 -1.14 329.00 17.94 124.17 11 22 4 508.5 3.35 322.79
 110.00 19 23 18 4693.63 30.91 194.16 23.35 74.61 20 41 32 4093.6 28.49 185.80

DIFFERENTIAL CORRECTIONS

TDE-1.4796 TRA 1.3093 TC3-5.4826 BAU .7158
 RDE -.0997 RRA .2936 RC3 -.8318 FAU .09577
 FDE-3.0610 FRA 3.0358 FC3-8.5875 BSP 15952
 BDE 1.4830 BRA 1.3418 BC3 5.5453 FSP -2783

MID-COURSE EXECUTION ACCURACY

SGT 5044.7 SGR 789.1 SG3 840.9
 RRT .9288 RRF .9273 RTF .9860
 SGB 5106.0 R23 .0230 R13 .9863
 SG1 5097.8 SG2 289.4 THA 8.29

ORBIT DETERMINATION ACCURACY

ST 2833.7 SR 250.9 SS 2116.5
 CRT .8890 CRS -.9024 CST -.9995
 LSA 3543.5 MSA 123.6 SSA 17.3
 EL1 2842.4 EL2 114.6 ALF 4.51

LAUNCH DATE MAY 21 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 508.977

RL 151.40 LAL -.00 LOL 239.28 VL 26.900 GAL 3.83 AZL 92.40 HCA 229.74 SMA 128.90 ECC .18647 INC 2.3990 V1 29.42H
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.932 GAP 4.96 A7P 88.45 TAL 162.86 TAP 32.60 RCA 104.87 APO 152.94 V2 35.241
 RC 115.842 GL -20.61 GP -11.56 ZAL 62.89 ZAP 141.49 ETS 346.30 ZAE 133.47 ETE 190.42 ZAC 121.00 ETC 10.97 CLP-143.01

PLANETOCENTRIC CONIC

C3 10.190 VHL 3.192 DLA -18.21 RAL 170.06 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 4.307 DPA 4.88 RAP 145.64 ECC 1.1677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 38 1460.33 3.05 357.69 22.04 118.17 9 43 59 860.3 6.79 351.01
 90.00 16 17 24 5315.23 27.40 241.44 26.62 82.58 17 45 59 4715.2 26.09 233.02
 100.00 10 30 8 1232.86 2.02 340.40 21.47 119.83 10 50 41 632.9 5.97 333.84
 100.00 17 49 35 5017.93 28.57 219.38 26.43 80.80 19 13 13 4417.9 27.00 210.93
 110.00 11 14 41 1093.27 -.55 328.21 19.86 124.18 11 32 54 493.3 3.93 322.00
 110.00 19 21 31 4730.29 31.54 196.83 25.72 76.07 20 40 22 4130.3 29.30 188.34

DIFFERENTIAL CORRECTIONS

TDE-1.5979 TRA 1.4290 TC3-5.3691 BAU .7380
 RDE -.0702 RRA .2808 RC3 -.7224 FAU .08766
 FDE-2.9598 FRA 2.9564 FC3-7.4481 BSP 16474
 BDE 1.5994 BRA 1.4564 BC3 5.4175 FSP -2590

MID-COURSE EXECUTION ACCURACY

SGT 5221.7 SGR 714.2 SG3 782.6
 RRT .9050 RRF .9007 RTF .9857
 SGB 5270.4 R23 .0133 R13 .9858
 SG1 5261.7 SG2 301.6 THA 7.08

ORBIT DETERMINATION ACCURACY

ST 2982.0 SR 203.5 SS 2073.7
 CRT .8104 CRS -.8274 CST -.9995
 LSA 3635.5 MSA 128.0 SSA 17.3
 EL1 2986.5 EL2 119.0 ALF 3.17

LAUNCH DATE MAY 21 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 515.067

RL 151.40 LAL -.00 LOL 239.28 VL 26.879 GAL 4.06 AZL 92.49 HCA 232.99 SMA 128.76 ECC .18911 INC 2.4917 V1 29.42H
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.922 GAP 5.37 A7P 88.50 TAL 162.07 TAP 35.06 RCA 104.41 APO 153.12 V2 35.246
 RC 118.080 GL -20.80 GP -10.59 ZAL 61.56 ZAP 144.03 ETS 346.21 ZAE 132.29 ETE 189.27 ZAC 120.03 ETC 11.55 CLP-145.43

PLANETOCENTRIC CONIC

C3 10.772 VHL 3.282 DLA -18.98 RAL 171.32 RAD 6567.4 VEL 11.496 PTH 2.00 VHP 4.482 DPA 5.54 RAP 146.72 ECC 1.1773
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 43 1441.23 3.66 356.62 24.17 118.10 9 56 44 841.2 7.39 349.93
 90.00 16 14 19 5356.82 27.73 244.44 29.02 84.04 17 43 36 4756.8 26.62 235.95
 100.00 10 42 26 1216.28 2.58 339.49 23.57 119.79 11 2 42 616.3 6.53 332.92
 100.00 17 47 18 5057.00 28.96 222.22 28.85 82.24 19 11 35 4457.0 27.58 213.68
 110.00 11 25 27 1081.48 -1.10 327.59 21.89 124.18 11 43 28 481.5 4.38 321.38
 110.00 19 20 46 4764.57 32.07 199.36 28.21 77.48 20 40 11 4164.6 30.02 190.75

DIFFERENTIAL CORRECTIONS

TDE-1.7150 TRA 1.5538 TC3-5.2376 BAU .7598
 RDE -.0424 RRA .2702 RC3 -.6328 FAU .08029
 FDE-2.8556 FRA 2.8773 FC3-6.4524 BSP 17013
 BDE 1.7155 BRA 1.5771 BC3 5.2757 FSP -2418

MID-COURSE EXECUTION ACCURACY

SGT 5386.2 SGR 653.4 SG3 728.0
 RRT .8754 RRF .8679 RTF .9854
 SGB 5425.7 R23 .0049 R13 .9854
 SG1 5416.6 SG2 314.0 THA 6.08

ORBIT DETERMINATION ACCURACY

ST 3116.8 SR 167.4 SS 2027.4
 CRT .6741 CRS -.6951 CST -.9995
 LSA 3719.5 MSA 132.2 SSA 17.3
 EL1 3118.8 EL2 123.6 ALF 2.08

LAUNCH DATE MAY 21 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 521.132

RL 151.40 LAL -.00 LOL 239.28 VL 26.857 GAL 4.31 AZL 92.58 HCA 236.23 SMA 128.62 ECC .19196 INC 2.5769 V1 29.42H
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.910 GAP 5.79 A7P 88.57 TAL 161.25 TAP 37.48 RCA 103.93 APO 153.31 V2 35.250
 RC 120.312 GL -20.88 GP -9.76 ZAL 60.19 ZAP 146.40 ETS 346.09 ZAE 131.20 ETE 188.34 ZAC 118.92 ETC 12.03 CLP-147.69

PLANETOCENTRIC CONIC

C3 11.410 VHL 3.378 DLA -19.65 RAL 172.65 RAD 6567.4 VEL 11.524 PTH 2.01 VHP 4.667 DPA 6.03 RAP 147.91 ECC 1.1878
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 45 21 1425.70 4.16 355.75 26.40 118.04 10 9 7 825.7 7.87 349.04
 90.00 16 12 16 5396.01 27.98 247.28 31.51 85.45 17 42 12 4796.0 27.05 238.74
 100.00 10 54 19 1203.16 3.02 338.77 25.77 119.75 11 14 22 603.2 6.96 332.19
 100.00 17 46 0 5093.79 29.27 224.91 31.37 83.62 19 10 53 4493.8 28.08 216.31
 110.00 11 35 54 1072.82 .23 327.14 24.03 124.18 11 53 47 472.8 4.71 320.92
 110.00 19 20 54 4796.88 32.52 201.77 30.79 78.84 20 40 50 4196.9 30.64 193.06

DIFFERENTIAL CORRECTIONS

TDE-1.8302 TRA 1.6860 TC3-5.0850 BAU .7803
 RDE -.0159 RRA .2617 RC3 -.5574 FAU .07345
 FDE-2.7490 FRA 2.8038 FC3-5.5732 BSP 17519
 BDE 1.8303 BRA 1.7062 BC3 5.1154 FSP -2258

MID-COURSE EXECUTION ACCURACY

SGT 5537.2 SGR 603.9 SG3 677.1
 RRT .8399 RRF .8290 RTF .9850
 SGB 5570.0 R23 -.0022 R13 .9850
 SG1 5560.4 SG2 326.4 THA 5.25

ORBIT DETERMINATION ACCURACY

ST 3237.0 SR 144.4 SS 1977.5
 CRT .4569 CRS -.4816 CST -.9995
 LSA 3793.5 MSA 136.5 SSA 17.2
 EL1 3237.7 EL2 128.4 ALF 1.17

LAUNCH DATE MAY 21 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 527.171

RL 151.40 LAL -.00 LOL 239.28 VL 26.835 GAL 4.58 AZL 92.66 HCA 239.48 SMA 128.47 ECC .19504 INC 2.6558 V1 29.428
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.897 GAP 6.21 AZP 88.65 TAL 160.40 TAP 39.88 RCA 103.41 APO 153.52 V2 35.253
 RC 122.538 GL -20.87 GP -9.02 ZAL 58.79 ZAP 148.61 ETS 345.93 ZAE 130.21 ETE 187.57 ZAC 117.69 ETC 12.42 CLP-149.81

PLANETOCENTRIC CONIC

C3 12.110 VHL 3.480 OLA -20.24 RAL 174.03 RAD 6567.5 VEL 11.554 PTH 2.02 VHP 4.860 DPA 6.36 RAP 149.20 ECC 1.1993
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 57 34 1413.51 4.55 355.07 28.73 117.98 10 21 7 813.5 8.25 348.35
 90.00 16 11 8 5433.15 28.15 249.98 34.09 86.79 17 41 41 4833.2 27.41 241.40
 100.00 11 5 49 1193.26 3.36 338.22 28.07 119.72 11 25 42 593.3 7.29 331.64
 100.00 17 45 34 5128.63 29.50 227.47 33.97 84.95 19 11 3 4528.6 28.49 218.81
 110.00 11 46 4 1067.09 .45 326.84 26.25 124.18 12 3 51 467.1 4.93 320.62
 110.00 19 21 48 4827.57 32.90 204.09 33.45 80.16 20 42 16 4227.6 31.20 195.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9428 TRA 1.8274 TC3-4.9100 BAU .7989 SGT 5673.9 SGR 563.8 SG3 629.7 ST 3341.8 SR 135.6 SS 1923.9
 ROE .0099 RRA .2549 RC3 -.4926 FAU .06704 RRT .7984 RRF .7841 RTF .9846 CRT .1724 CRS -.1992 CST -.9996
 FDE-2.6406 FRA 2.7381 FC3-4.7924 BSP 17983 SGB 5701.8 R23 -.0078 R13 .9846 LSA 3855.8 MSA 141.0 SSA 17.1
 BDE 1.9428 BRA 1.8451 BC3 4.9346 FSP -2107 SG1 5691.8 SG2 338.4 THA 4.55 EL1 3341.9 EL2 133.5 ALF .40

LAUNCH DATE MAY 21 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 533.182

RL 151.40 LAL -.00 LOL 239.28 VL 26.812 GAL 4.87 AZL 92.73 HCA 242.73 SMA 128.31 ECC .19835 INC 2.7296 V1 29.428
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.883 GAP 6.63 AZP 88.75 TAL 159.53 TAP 42.26 RCA 102.86 APO 153.76 V2 35.256
 RC 124.755 GL -20.76 GP -8.38 ZAL 57.37 ZAP 150.68 ETS 345.74 ZAE 129.30 ETE 186.93 ZAC 116.35 ETC 12.73 CLP-151.81

PLANETOCENTRIC CONIC

C3 12.882 VHL 3.589 OLA -20.75 RAL 175.47 RAD 6567.5 VEL 11.587 PTH 2.03 VHP 5.063 DPA 6.56 RAP 150.59 ECC 1.2120
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 9 20 1404.52 4.83 354.56 31.13 117.94 10 32 45 804.5 8.53 347.84
 90.00 16 10 50 5468.47 28.26 252.56 36.73 88.08 17 41 58 4868.5 27.69 243.94
 100.00 11 16 55 1186.43 3.59 337.85 30.45 119.70 11 36 41 586.4 7.52 331.26
 100.00 17 45 56 5161.79 29.68 229.92 36.65 86.23 19 11 58 4561.8 28.84 221.22
 110.00 11 55 56 1064.12 .56 326.69 28.56 124.18 12 13 40 464.1 5.04 320.47
 110.00 19 23 24 4856.87 33.22 206.31 36.21 81.45 20 44 21 4256.9 31.68 197.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0534 TRA 1.9784 TC3-4.7179 BAU .8160 SGT 5798.4 SGR 531.5 SG3 585.8 ST 3432.6 SR 139.7 SS 1868.8
 ROE .0349 RRA .2494 RC3 -.4365 FAU .06109 RRT .7515 RRF .7340 RTF .9841 CRT -.1094 CRS .0829 CST -.9996
 FDE-2.5338 FRA 2.6794 FC3-4.1053 BSP 18408 SGB 5822.7 R23 -.0125 R13 .9841 LSA 3908.0 MSA 145.7 SSA 16.9
 BDE 2.0537 BRA 1.9941 BC3 4.7380 FSP -1967 SG1 5812.2 SG2 349.8 THA 3.95 EL1 3432.6 EL2 138.8 ALF 179.74

LAUNCH DATE MAY 21 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 539.163

RL 151.40 LAL -.00 LOL 239.28 VL 26.788 GAL 5.18 AZL 92.80 HCA 245.97 SMA 128.15 ECC .20192 INC 2.7993 V1 29.428
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.868 GAP 7.07 AZP 88.86 TAL 158.64 TAP 44.61 RCA 102.28 APO 154.03 V2 35.258
 RC 126.964 GL -20.58 GP -7.82 ZAL 55.93 ZAP 152.63 ETS 345.49 ZAE 128.48 ETE 186.40 ZAC 114.91 ETC 12.98 CLP-153.69

PLANETOCENTRIC CONIC

C3 13.735 VHL 3.706 OLA -21.20 RAL 176.95 RAD 6567.5 VEL 11.624 PTH 2.04 VHP 5.274 DPA 6.64 RAP 152.06 ECC 1.2260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 20 39 1398.62 5.02 354.23 33.61 117.90 10 43 58 798.6 8.72 347.50
 90.00 16 11 17 5502.17 28.31 255.03 39.45 89.32 17 42 59 4902.2 27.91 246.38
 100.00 11 27 36 1182.56 3.72 337.63 32.90 119.68 11 47 18 582.6 7.64 331.04
 100.00 17 47 2 5193.46 29.79 232.27 39.41 87.46 19 13 35 4593.5 29.12 223.53
 110.00 12 5 29 1063.79 .57 326.67 30.94 124.18 12 23 13 463.8 5.05 320.45
 110.00 19 25 37 4884.99 33.49 208.47 39.03 82.69 20 47 2 4285.0 32.11 199.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1603 TRA 2.1417 TC3-4.5049 BAU .8302 SGT 5909.1 SGR 505.6 SG3 545.0 ST 3507.1 SR 153.1 SS 1810.2
 ROE .0597 RRA .2449 RC3 -.3867 FAU .05541 RRT .6999 RRF .6794 RTF .9835 CRT -.3311 CRS .3063 CST -.9996
 FDE-2.4258 FRA 2.6298 FC3-3.4927 BSP 18740 SGB 5930.6 R23 -.0161 R13 .9835 LSA 3946.8 MSA 150.8 SSA 16.7
 BDE 2.1611 BRA 2.1557 BC3 4.5214 FSP -1829 SG1 5919.7 SG2 360.5 THA 3.44 EL1 3507.5 EL2 144.5 ALF 179.17

LAUNCH DATE MAY 21 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 545.112

RL 151.40 LAL -.00 LOL 239.28 VL 26.763 GAL 5.50 AZL 92.87 HCA 249.22 SMA 127.99 ECC .20575 INC 2.8655 V1 29.428
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.852 GAP 7.51 AZP 88.98 TAL 157.73 TAP 46.95 RCA 101.66 APO 154.33 V2 35.259
 RC 129.165 GL -20.34 GP -7.32 ZAL 54.48 ZAP 154.48 ETS 345.19 ZAE 127.73 ETE 185.95 ZAC 113.39 ETC 13.17 CLP-155.48

PLANETOCENTRIC CONIC

C3 14.679 VHL 3.831 OLA -21.59 RAL 178.45 RAD 6567.6 VEL 11.665 PTH 2.05 VHP 5.494 DPA 6.62 RAP 153.60 ECC 1.2416
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 31 29 1395.76 5.11 354.07 36.16 117.89 10 54 45 795.8 8.80 347.34
 90.00 16 12 27 5534.38 28.31 257.38 42.24 90.50 17 44 42 4934.4 28.08 248.73
 100.00 11 37 51 1181.58 3.75 337.58 35.41 119.68 11 57 33 581.6 7.68 330.99
 100.00 17 48 47 5223.79 29.86 234.52 42.22 88.64 19 15 50 4623.8 29.36 225.75
 110.00 12 14 43 1066.03 .49 326.79 33.37 124.18 12 32 29 466.0 4.97 320.57
 110.00 19 28 24 4912.11 33.70 210.55 41.93 83.91 20 50 16 4312.1 32.49 201.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2693 TRA 2.3123 TC3-4.2903 BAU .8446 SGT 6012.8 SGR 484.7 SG3 507.7 ST 3573.6 SR 171.2 SS 1754.7
 ROE .0839 RRA .2408 RC3 -.3433 FAU .05038 RRT .6447 RRF .6214 RTF .9830 CRT -.4831 CRS .4607 CST -.9996
 FDE-2.3269 FRA 2.5818 FC3-2.9710 BSP 19119 SGB 6032.3 R23 -.0193 R13 .9830 LSA 3981.8 MSA 155.6 SSA 16.5
 BDE 2.2708 BRA 2.3248 BC3 4.3040 FSP -1711 SG1 6021.0 SG2 370.0 THA 2.99 EL1 3574.6 EL2 149.9 ALF 178.67

LAUNCH DATE MAY 21 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 551.028

RL 151.40 LAL -0.00 LOL 239.28 VL 26.738 GAL 5.85 AZL 92.93 HCA 252.47 SMA 127.83 ECC .20987 INC 2.9289 V1 29.428
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.834 GAP 7.96 AZP 89.12 TAL 156.79 TAP 49.26 RCA 101.00 APO 154.65 V2 35.259
 RC 131.355 GL -20.04 GP -6.87 ZAL 53.03 ZAP 156.22 ETS 344.82 ZAE 127.05 ETE 185.56 ZAC 111.79 ETC 13.31 CLP-157.18

PLANETOCENTRIC CONIC

C3 15.728 VHL 3.966 DLA -21.92 RAL 179.98 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 5.724 DPA 6.50 RAP 155.21 ECC 1.2588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 50 1395.90 5.11 354.08 38.76 117.89 11 5 5 795.9 8.80 347.34
 90.00 16 14 17 5565.22 28.27 259.64 45.08 91.63 17 47 2 4965.2 28.20 250.97
 100.00 11 47 39 1183.43 3.69 337.68 37.98 119.68 12 7 23 583.4 7.61 331.09
 100.00 17 51 8 5252.91 29.89 236.69 45.10 89.78 19 18 41 4652.9 29.54 227.90
 110.00 12 23 36 1070.76 .31 327.03 35.87 124.18 12 41 27 470.8 4.79 320.82
 110.00 19 31 41 4938.36 33.87 212.59 44.89 85.10 20 53 59 4338.4 32.82 203.51

DIFFERENTIAL CORRECTIONS

TOE-2.5775 TRA 2.4943 TC3-4.0666 BAU .8575
 RDE .1080 RRA .2370 RC3 -.3046 FAU .04572
 FDE-2.2320 FRA 2.5397 FC3-2.5166 BSP 19469
 BDE 2.3799 BRA 2.5055 BC3 4.0780 FSP -1602

MID-COURSE EXECUTION ACCURACY

SGT 6106.6 SGR 468.0 SG3 473.4
 RRT .5868 RRF .5611 RTF .9826
 SGB 6124.6 R23 -.0219 R13 .9825
 SG1 6112.8 SG2 378.5 THA 2.58

ORBIT DETERMINATION ACCURACY

ST 3628.4 SR 191.5 SS 1699.6
 CRT -.5848 CRS .5645 CST -.9996
 LSA 4008.0 MSA 160.5 SSA 16.2
 EL1 3630.1 EL2 155.3 ALF 178.23

LAUNCH DATE MAY 21 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 556.906

RL 151.40 LAL -0.00 LOL 239.28 VL 26.713 GAL 6.22 AZL 92.99 HCA 255.71 SMA 127.66 ECC .21430 INC 2.9901 V1 29.428
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.816 GAP 8.43 AZP 89.26 TAL 155.85 TAP 51.56 RCA 100.30 APO 155.02 V2 35.259
 RC 133.537 GL -19.70 GP -6.48 ZAL 51.58 ZAP 157.88 ETS 344.38 ZAE 126.43 ETE 185.23 ZAC 110.13 ETC 13.41 CLP-158.80

PLANETOCENTRIC CONIC

C3 16.895 VHL 4.110 DLA -22.21 RAL 181.51 RAD 6567.7 VEL 11.759 PTH 2.08 VHP 5.964 DPA 6.30 RAP 156.87 ECC 1.2780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 51 38 1399.00 5.01 354.25 41.40 117.91 11 14 57 799.0 8.70 347.52
 90.00 16 16 44 5594.78 28.20 261.80 47.98 92.71 17 49 58 4994.8 28.28 253.13
 100.00 11 56 59 1188.07 3.53 337.94 40.59 119.70 12 16 48 588.1 7.46 331.35
 100.00 17 54 3 5280.95 29.88 238.77 48.04 90.88 19 22 4 4680.9 29.68 229.97
 110.00 12 32 8 1077.92 .03 327.41 38.41 124.18 12 50 6 477.9 4.52 321.19
 110.00 19 35 25 4963.86 34.00 214.57 47.91 86.27 20 58 8 4363.9 33.11 205.44

DIFFERENTIAL CORRECTIONS

TOE-2.4855 TRA 2.6880 TC3-3.8363 BAU .8686
 RDE .1322 RRA .2333 RC3 -.2697 FAU .04139
 FDE-2.1421 FRA 2.5025 FC3-2.1211 BSP 19786
 BDE 2.4890 BRA 2.6981 BC3 3.8457 FSP -1501

MID-COURSE EXECUTION ACCURACY

SGT 6191.0 SGR 454.4 SG3 441.8
 RRT .5270 RRF .4992 RTF .9821
 SGB 6207.7 R23 -.0239 R13 .9820
 SG1 6195.7 SG2 385.9 THA 2.22

ORBIT DETERMINATION ACCURACY

ST 3672.5 SR 212.3 SS 1645.3
 CRT -.6536 CRS .6350 CST -.9996
 LSA 4026.4 MSA 165.3 SSA 16.0
 EL1 3675.1 EL2 160.6 ALF 177.83

LAUNCH DATE MAY 21 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 562.744

RL 151.40 LAL -0.00 LOL 239.28 VL 26.687 GAL 6.62 AZL 93.05 HCA 258.96 SMA 127.49 ECC .21905 INC 3.0496 V1 29.428
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.796 GAP 8.90 AZP 89.42 TAL 154.89 TAP 53.85 RCA 99.56 APO 155.42 V2 35.257
 RC 135.709 GL -19.31 GP -6.13 ZAL 50.14 ZAP 159.45 ETS 343.86 ZAE 125.86 ETE 184.94 ZAC 108.41 ETC 13.49 CLP-160.35

PLANETOCENTRIC CONIC

C3 18.196 VHL 4.266 DLA -22.44 RAL 183.05 RAD 6567.7 VEL 11.814 PTH 2.09 VHP 6.214 DPA 6.02 RAP 158.58 ECC 1.2995
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 0 54 1405.05 4.82 354.59 44.09 117.94 11 24 19 805.0 8.52 347.87
 90.00 16 19 45 5623.15 28.09 263.87 50.92 93.74 17 53 28 5023.2 28.31 255.21
 100.00 12 5 50 1195.45 3.28 338.34 43.25 119.73 12 25 46 595.4 7.22 331.76
 100.00 17 57 30 5307.99 29.84 240.78 51.02 91.94 19 25 58 4708.0 29.79 231.97
 110.00 12 40 17 1087.47 -.33 327.90 40.99 124.18 12 58 24 487.5 4.15 321.69
 110.00 19 39 33 4988.73 34.10 216.50 50.99 87.41 21 2 41 4388.7 33.36 207.34

DIFFERENTIAL CORRECTIONS

TOE-2.5900 TRA 2.8978 TC3-3.5940 BAU .8762
 RDE .1566 RRA .2297 RC3 -.2377 FAU .03720
 FDE-2.0529 FRA 2.4737 FC3-1.7701 BSP 19989
 BDE 2.5948 BRA 2.9069 BC3 3.6019 FSP -1399

MID-COURSE EXECUTION ACCURACY

SGT 6264.0 SGR 443.6 SG3 412.6
 RRT .4663 RRF .4372 RTF .9815
 SGB 6279.7 R23 -.0252 R13 .9815
 SG1 6267.5 SG2 392.2 THA 1.90

ORBIT DETERMINATION ACCURACY

ST 3702.3 SR 233.0 SS 1589.9
 CRT -.7008 CRS .6835 CST -.9997
 LSA 4032.4 MSA 170.3 SSA 15.7
 EL1 3705.9 EL2 166.1 ALF 177.47

LAUNCH DATE MAY 21 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 568.538

RL 151.40 LAL -0.00 LOL 239.28 VL 26.660 GAL 7.04 AZL 93.11 HCA 262.21 SMA 127.32 ECC .22417 INC 3.1077 V1 29.428
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.776 GAP 9.39 AZP 89.58 TAL 153.91 TAP 56.12 RCA 98.78 APO 155.86 V2 35.255
 RC 137.871 GL -18.88 GP -5.81 ZAL 48.71 ZAP 160.97 ETS 343.24 ZAE 125.33 ETE 184.68 ZAC 106.64 ETC 13.54 CLP-161.84

PLANETOCENTRIC CONIC

C3 19.650 VHL 4.433 DLA -22.63 RAL 184.59 RAD 6567.8 VEL 11.876 PTH 2.11 VHP 6.477 DPA 5.67 RAP 160.33 ECC 1.3234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 9 35 1414.01 4.53 355.09 46.81 117.98 11 33 9 814.0 8.24 348.38
 90.00 16 23 19 5650.40 27.95 265.85 53.91 94.72 17 57 30 5050.4 28.31 257.20
 100.00 12 14 11 1205.53 2.94 338.90 45.94 119.76 12 34 17 605.5 6.88 332.33
 100.00 18 1 25 5334.12 29.76 242.72 54.05 92.96 19 30 19 4734.1 29.85 233.91
 110.00 12 48 3 1099.35 -.79 328.52 43.61 124.18 13 6 22 499.4 3.70 322.32
 110.00 19 44 2 5013.06 34.16 218.40 54.12 88.53 21 7 35 4413.1 33.57 209.21

DIFFERENTIAL CORRECTIONS

TOE-2.6996 TRA 3.1168 TC3-3.3596 BAU .8843
 RDE .1810 RRA .2255 RC3 -.2092 FAU .03352
 FDE-1.9739 FRA 2.4452 FC3-1.4767 BSP 20272
 BDE 2.7057 BRA 3.1250 BC3 3.3661 FSP -1314

MID-COURSE EXECUTION ACCURACY

SGT 6332.1 SGR 434.6 SG3 385.9
 RRT .4050 RRF .3747 RTF .9811
 SGB 6347.0 R23 -.0264 R13 .9810
 SG1 6334.6 SG2 397.2 THA 1.60

ORBIT DETERMINATION ACCURACY

ST 3727.9 SR 252.5 SS 1539.3
 CRT -.7350 CRS .7190 CST -.9997
 LSA 4037.3 MSA 174.8 SSA 15.4
 EL1 3732.6 EL2 171.0 ALF 177.14

LAUNCH DATE MAY 21 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 574.284

RL 151.40 LAL -.00 LOL 239.28 VL 26.634 GAL 7.48 AZL 93.16 HCA 265.46 SMA 127.14 ECC .22967 INC 3.1650 V1 29.428
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.754 GAP 9.90 A7P 89.75 TAL 152.93 TAP 58.39 RCA 97.94 APO 156.34 V2 35.253
 RC 140.023 GL -18.42 GP -5.53 ZAL 47.29 ZAP 162.41 ETS 342.51 ZAE 124.85 ETE 184.45 ZAC 104.82 ETC 13.57 CLP-163.28

PLANETOCENTRIC CONIC

C3 21.279 VHL 4.613 OLA -22.77 RAL 186.12 RAD 6567.9 VEL 11.944 PTH 2.13 VHP 6.752 DPA 5.27 RAP 162.11 ECC 1.3502
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 17 42 1425.86 4.15 355.76 49.56 118.04 11 41 28 825.9 7.87 349.05
 90.00 16 27 24 5676.61 27.79 267.75 56.94 95.66 18 2 0 5076.6 28.29 259.12
 100.00 12 22 1 1218.28 2.51 339.60 48.65 119.80 12 42 19 618.3 6.46 333.03
 100.00 18 5 46 5359.42 29.66 244.59 57.12 93.94 19 35 5 4759.4 29.89 235.79
 110.00 12 55 25 1113.53 -1.33 329.26 46.25 124.16 13 13 59 513.5 3.16 323.06
 110.00 19 48 51 5036.94 34.18 220.26 57.29 89.64 21 12 48 4436.9 33.75 211.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.8099 TRA 3.3502 TC3-3.1242 BAU .8903 SGT 6391.9 SGR 427.1 SG3 361.2 ST 3744.6 SR 270.8 SS 1490.1
 RDE .2058 RRA .2208 RC3 -.1832 FAU .03007 RRT .3435 RRF .3127 RTF .9807 CRT -.7602 CRS .7453 CST -.9997
 FDE-1.8992 FRA 2.4216 FC3-1.2234 BSP 20520 SGB 6406.2 R23 -.0272 R13 .9807 LSA 4035.2 MSA 179.1 SSA 15.1
 BDE 2.8174 BRA 3.3575 BC3 3.1296 FSP -1234 SG1 6393.6 SG2 401.0 THA 1.32 EL1 3750.2 EL2 175.6 ALF 176.85

LAUNCH DATE MAY 21 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 579.975

RL 151.40 LAL -.00 LOL 239.28 VL 26.607 GAL 7.96 AZL 93.22 HCA 268.70 SMA 126.97 ECC .23560 INC 3.2217 V1 29.428
 RP 107.51 LAP 3.22 LOP 147.97 VP 37.732 GAP 10.43 A7P 89.93 TAL 151.95 TAP 60.65 RCA 97.06 APO 156.88 V2 35.249
 RC 142.165 GL -17.94 GP -5.27 ZAL 45.90 ZAP 163.81 ETS 341.65 ZAE 124.39 ETE 184.25 ZAC 102.96 ETC 13.60 CLP-164.67

PLANETOCENTRIC CONIC

C3 23.106 VHL 4.807 OLA -22.88 RAL 187.63 RAD 6567.9 VEL 12.020 PTH 2.15 VHP 7.042 DPA 4.81 RAP 163.93 ECC 1.3803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 25 13 1440.53 3.68 356.58 52.32 118.10 11 49 13 840.5 7.41 349.89
 90.00 16 31 56 5701.85 27.61 269.57 60.01 96.56 18 6 58 5101.9 28.23 260.96
 100.00 12 29 19 1233.63 1.99 340.44 51.39 119.83 12 49 52 633.6 5.95 333.89
 100.00 18 10 31 5383.99 29.53 246.41 60.23 94.88 19 40 15 4784.0 29.89 237.62
 110.00 13 2 23 1129.94 -1.96 330.12 48.92 124.13 13 21 13 529.9 2.54 323.92
 110.00 19 53 56 5060.44 34.18 222.10 60.50 90.72 21 18 16 4460.4 33.90 212.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.9215 TRA 3.5989 TC3-2.8902 BAU .8942 SGT 6444.0 SGR 420.7 SG3 338.5 ST 3752.9 SR 287.7 SS 1442.9
 RDE .2309 RRA .2154 RC3 -.1595 FAU .02685 RRT .2823 RRF .2514 RTF .9804 CRT -.7792 CRS .7652 CST -.9997
 FDE-1.8293 FRA 2.4022 FC3-1.0060 BSP 20742 SGB 6457.7 R23 -.0276 R13 .9804 LSA 4026.8 MSA 183.1 SSA 14.8
 BDE 2.9306 BRA 3.6054 BC3 2.8946 FSP -1160 SG1 6445.1 SG2 403.5 THA 1.06 EL1 3759.6 EL2 180.0 ALF 176.57

LAUNCH DATE MAY 21 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 585.607

RL 151.40 LAL -.00 LOL 239.28 VL 26.579 GAL 8.47 AZL 93.28 HCA 271.95 SMA 126.79 ECC .24199 INC 3.2782 V1 29.428
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.709 GAP 10.98 A7P 90.11 TAL 150.96 TAP 62.91 RCA 96.11 APO 157.48 V2 35.245
 RC 144.295 GL -17.44 GP -5.04 ZAL 44.53 ZAP 165.16 ETS 340.62 ZAE 123.97 ETE 184.06 ZAC 101.07 ETC 13.61 CLP-166.02

PLANETOCENTRIC CONIC

C3 25.163 VHL 5.016 OLA -22.95 RAL 189.11 RAD 6568.0 VEL 12.105 PTH 2.17 VHP 7.347 DPA 4.30 RAP 165.77 ECC 1.4141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 32 7 1457.98 3.12 357.56 55.11 118.16 11 56 25 858.0 6.86 350.88
 90.00 16 36 54 5726.20 27.41 271.33 63.11 97.42 18 12 20 5126.2 28.15 262.74
 100.00 12 36 5 1251.52 1.39 341.42 54.14 119.86 12 56 57 651.5 5.35 334.88
 100.00 18 15 37 5407.89 29.38 248.17 63.37 95.80 19 45 45 4807.9 29.87 239.40
 110.00 13 8 56 1148.53 -2.67 331.09 51.61 124.09 13 28 4 548.5 1.83 324.89
 110.00 19 59 15 5083.65 34.14 223.91 63.74 91.79 21 23 59 4483.6 34.01 214.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.0314 TRA 3.8678 TC3-2.6530 BAU .8937 SGT 6487.6 SGR 415.2 SG3 317.5 ST 3750.5 SR 303.3 SS 1396.2
 RDE .2566 RRA .2092 RC3 -.1380 FAU .02370 RRT .2221 RRF .1918 RTF .9800 CRT -.7934 CRS .7799 CST -.9997
 FDE-1.7612 FRA 2.3898 FC3 -.8155 BSP 20845 SGB 6500.9 R23 -.0274 R13 .9800 LSA 4009.1 MSA 187.1 SSA 14.5
 BDE 3.0422 BRA 3.8735 BC3 2.6565 FSP -1085 SG1 6488.3 SG2 404.8 THA .82 EL1 3758.3 EL2 184.2 ALF 176.32

LAUNCH DATE MAY 21 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 591.170

RL 151.40 LAL -.00 LOL 239.28 VL 26.552 GAL 9.02 AZL 93.34 HCA 275.19 SMA 126.62 ECC .24889 INC 3.3350 V1 29.428
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.685 GAP 11.56 A7P 90.30 TAL 149.98 TAP 65.17 RCA 95.10 APO 158.13 V2 35.240
 RC 146.414 GL -16.92 GP -4.83 ZAL 43.18 ZAP 166.46 ETS 339.40 ZAE 123.57 ETE 183.89 ZAC 99.15 ETC 13.61 CLP-167.34

PLANETOCENTRIC CONIC

C3 27.482 VHL 5.242 OLA -22.98 RAL 190.57 RAD 6568.1 VEL 12.201 PTH 2.19 VHP 7.669 DPA 3.75 RAP 167.62 ECC 1.4523
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 38 25 1478.13 2.47 358.68 57.90 118.22 12 3 3 878.1 6.23 352.02
 90.00 16 42 15 5749.72 27.19 273.01 66.24 98.24 18 18 4 5149.7 28.05 264.45
 100.00 12 42 19 1271.89 .70 342.54 56.91 119.89 13 3 31 671.9 4.67 336.01
 100.00 18 21 2 5431.20 29.20 249.88 66.54 96.68 19 51 33 4831.2 29.82 241.13
 110.00 13 15 3 1169.24 -3.46 332.17 54.32 124.03 13 34 33 569.2 1.03 325.97
 110.00 20 4 47 5106.61 34.08 225.70 67.01 92.85 21 29 54 4506.6 34.10 216.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.1490 TRA 4.1489 TC3-2.4286 BAU .8934 SGT 6526.1 SGR 410.2 SG3 298.1 ST 3746.3 SR 317.2 SS 1354.3
 RDE .2827 RRA .2017 RC3 -.1187 FAU .02093 RRT .1617 RRF .1323 RTF .9799 CRT -.8052 CRS .7924 CST -.9997
 FDE-1.7019 FRA 2.3777 FC3 -.6592 BSP 21053 SGB 6539.0 R23 -.0271 R13 .9799 LSA 3991.6 MSA 190.3 SSA 14.2
 BDE 3.1617 BRA 4.1538 BC3 2.4315 FSP -1023 SG1 6526.5 SG2 404.8 THA .58 EL1 3755.0 EL2 187.7 ALF 176.09

LAUNCH DATE MAY 21 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 596.657

RL 151.40 LAL -.00 LOL 239.28 VL 26.525 GAL 9.61 AZL 93.39 MCA 278.44 SMA 126.44 ECC .25635 INC 3.3923 V1 29.42H
 RP 107.55 LAP 3.36 LOP 157.72 VP 37.661 GAP 12.16 AZP 90.50 TAL 149.00 TAP 67.43 RCA 94.03 APO 158.86 V2 35.234
 RC 148.521 GL -16.38 GP -4.65 ZAL 41.87 ZAP 167.72 ETS 337.91 ZAE 123.19 ETE 183.73 ZAC 97.21 ETC 13.62 CLP-168.62

PLANETOCENTRIC CONIC

C3 30.104 VHL 5.487 DLA -22.98 RAL 192.00 RAD 6568.2 VEL 12.308 PTH 2.22 VHP 8.011 DPA 3.15 RAP 169.50 ECC 1.4954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 44 7 1500.90 1.74 359.96 60.69 118.27 12 9 8 900.9 5.51 353.30
 90.00 16 47 57 5772.50 26.96 274.64 69.39 99.02 18 24 9 5172.5 27.93 266.11
 100.00 12 48 1 1294.66 -.08 343.79 59.68 119.89 13 9 36 694.7 3.90 337.26
 100.00 18 26 44 5453.97 29.01 251.54 69.72 97.54 19 57 38 4854.0 29.75 242.82
 110.00 13 20 45 1192.01 -4.32 333.37 57.04 123.94 13 40 37 592.0 .16 327.15
 110.00 20 10 29 5129.38 33.99 227.48 70.31 93.90 21 35 58 4529.4 34.15 218.23

DIFFERENTIAL CORRECTIONS

TDE-3.2692 TRA 4.4495 TC3-2.2083 BAU .8897
 ROE .3093 RRA .1929 RC3 -.1013 FAU .01828
 FDE-1.6466 FRA 2.3702 FC3 -.5258 BSP 21217
 BDE 3.2838 BRA 4.4537 BC3 2.2106 FSP -963

MID-COURSE EXECUTION ACCURACY

SGT 6557.5 SGR 405.6 SG3 280.2
 RRT .1020 RRF .0738 RTF .9798
 SGB 6570.1 R23 -.0266 R13 .9798
 SG1 6557.6 SG2 403.5 THA .36

ORBIT DETERMINATION ACCURACY

ST 3735.4 SR 329.6 SS 1314.7
 CRT -.8147 CRS .8024 CST -.9997
 LSA 3968.9 MSA 193.0 SSA 13.8
 EL1 3745.0 EL2 190.6 ALF 175.88

LAUNCH DATE MAY 21 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 602.057

RL 151.40 LAL -.00 LOL 239.28 VL 26.497 GAL 10.23 AZL 93.45 MCA 281.68 SMA 126.27 ECC .26444 INC 3.4506 V1 29.42H
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.635 GAP 12.80 AZP 90.70 TAL 148.03 TAP 69.70 RCA 92.88 APO 159.66 V2 35.22H
 RC 150.615 GL -15.84 GP -4.48 ZAL 40.60 ZAP 168.95 ETS 336.10 ZAE 122.82 ETE 183.58 ZAC 95.26 ETC 13.63 CLP-169.88

PLANETOCENTRIC CONIC

C3 33.078 VHL 5.751 DLA -22.95 RAL 193.39 RAD 6568.3 VEL 12.428 PTH 2.25 VHP 8.375 DPA 2.53 RAP 171.38 ECC 1.5444
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 49 13 1526.20 .92 1.37 63.49 118.30 12 14 39 926.2 4.70 354.72
 90.00 16 53 57 5794.59 26.71 276.21 72.55 99.77 18 30 31 5194.6 27.79 267.71
 100.00 12 53 11 1319.75 -.93 345.17 62.46 119.88 13 15 11 719.7 3.05 338.64
 100.00 18 32 40 5476.27 28.80 253.17 72.93 98.37 20 3 56 4876.3 29.66 244.47
 110.00 13 26 1 1216.78 -5.26 334.67 59.76 123.82 13 46 18 616.8 -.78 328.45
 110.00 20 16 19 5152.01 33.87 229.23 73.62 94.93 21 42 11 4552.0 34.18 220.00

DIFFERENTIAL CORRECTIONS

TDE-3.3938 TRA 4.7704 TC3-1.9949 BAU .8830
 ROE .3364 RRA .1827 RC3 -.0857 FAU .01580
 FDE-1.5959 FRA 2.3670 FC3 -.4135 BSP 21366
 BDE 3.4105 BRA 4.7739 BC3 1.9968 FSP -908

MID-COURSE EXECUTION ACCURACY

SGT 6582.6 SGR 401.4 SG3 263.6
 RRT .0428 RRF .0164 RTF .9799
 SGB 6594.9 R23 -.0257 R13 .9799
 SG1 6582.7 SG2 401.0 THA .15

ORBIT DETERMINATION ACCURACY

ST 3719.3 SR 340.4 SS 1277.6
 CRT -.8225 CRS .8107 CST -.9997
 LSA 3942.4 MSA 195.3 SSA 13.5
 EL1 3729.8 EL2 193.1 ALF 175.68

LAUNCH DATE MAY 21 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 607.357

RL 151.40 LAL -.00 LOL 239.28 VL 26.470 GAL 10.91 AZL 93.51 MCA 284.92 SMA 126.09 ECC .27321 INC 3.5102 V1 29.42H
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.610 GAP 13.47 AZP 90.90 TAL 147.07 TAP 71.99 RCA 91.64 APO 160.54 V2 35.221
 RC 152.696 GL -15.28 GP -4.32 ZAL 39.36 ZAP 170.14 ETS 333.85 ZAE 122.46 ETE 183.44 ZAC 93.28 ETC 13.64 CLP-171.13

PLANETOCENTRIC CONIC

C3 36.462 VHL 6.038 DLA -22.89 RAL 194.74 RAD 6568.4 VEL 12.563 PTH 2.28 VHP 8.762 DPA 1.88 RAP 173.27 ECC 1.6001
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 53 43 1553.91 .03 2.91 66.28 118.32 12 19 37 953.9 3.81 356.28
 90.00 17 0 13 5816.05 26.45 277.73 75.73 100.49 18 37 9 5216.1 27.63 269.26
 100.00 12 57 49 1347.05 -1.85 346.66 65.23 119.84 13 20 16 747.1 2.13 340.14
 100.00 18 38 49 5498.14 28.57 254.75 76.15 99.18 20 10 27 4898.1 29.55 246.09
 110.00 13 30 51 1243.45 -6.27 336.07 62.49 123.67 13 51 35 643.5 -1.80 329.84
 110.00 20 22 15 5174.51 33.72 230.97 76.95 95.95 21 48 30 4574.5 34.18 221.76

DIFFERENTIAL CORRECTIONS

TDE-3.5235 TRA 5.1131 TC3-1.7886 BAU .8726
 ROE .3642 RRA .1707 RC3 -.0720 FAU .01344
 FDE-1.5497 FRA 2.3680 FC3 -.3191 BSP 21490
 BDE 3.5423 BRA 5.1160 BC3 1.7901 FSP -856

MID-COURSE EXECUTION ACCURACY

SGT 6601.3 SGR 397.3 SG3 248.3
 RRT -.0159 RRF -.0401 RTF .9800
 SGB 6613.3 R23 .0245 R13 -.9800
 SG1 6601.3 SG2 397.3 THA 179.95

ORBIT DETERMINATION ACCURACY

ST 3698.4 SR 349.6 SS 1243.4
 CRT -.8290 CRS .8177 CST -.9997
 LSA 3912.5 MSA 196.9 SSA 13.2
 EL1 3709.7 EL2 194.9 ALF 175.51

LAUNCH DATE MAY 21 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 612.542

RL 151.40 LAL -.00 LOL 239.28 VL 26.443 GAL 11.63 AZL 93.57 MCA 288.16 SMA 125.92 ECC .28276 INC 3.5717 V1 29.42H
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.583 GAP 14.19 AZP 91.11 TAL 146.14 TAP 74.30 RCA 90.32 APO 161.53 V2 35.214
 RC 154.762 GL -14.72 GP -4.18 ZAL 38.17 ZAP 171.30 ETS 330.99 ZAE 122.10 ETE 183.30 ZAC 91.31 ETC 13.66 CLP-172.36

PLANETOCENTRIC CONIC

C3 40.325 VHL 6.350 DLA -22.80 RAL 196.05 RAD 6568.6 VEL 12.716 PTH 2.31 VHP 9.178 DPA 1.20 RAP 175.16 ECC 1.6636
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 57 38 1583.92 -.94 4.59 69.06 118.30 12 24 2 983.9 2.85 357.96
 90.00 17 6 42 5836.93 26.19 279.20 78.92 101.18 18 43 59 5236.9 27.46 270.77
 100.00 13 1 55 1376.48 -2.85 348.28 68.00 119.77 13 24 51 776.5 1.13 341.76
 100.00 18 45 7 5519.61 28.33 256.30 79.37 99.96 20 17 7 4919.6 29.41 247.67
 110.00 13 35 15 1271.96 -7.34 337.58 65.22 123.48 13 56 27 672.0 -2.89 331.33
 110.00 20 28 16 5196.89 33.55 232.70 80.27 96.96 21 54 53 4596.9 34.15 223.51

DIFFERENTIAL CORRECTIONS

TDE-3.6552 TRA 5.4838 TC3-1.5864 BAU .8559
 ROE .3925 RRA .1568 RC3 -.0599 FAU .01110
 FDE-1.5059 FRA 2.3753 FC3 -.2383 BSP 21503
 BDE 3.6762 BRA 5.4861 BC3 1.5875 FSP -804

MID-COURSE EXECUTION ACCURACY

SGT 6613.8 SGR 393.4 SG3 234.1
 RRT -.0734 RRF -.0951 RTF .9803
 SGB 6625.5 R23 .0229 R13 -.9803
 SG1 6613.8 SG2 392.4 THA 179.75

ORBIT DETERMINATION ACCURACY

ST 3670.5 SR 357.2 SS 1211.1
 CRT -.8343 CRS .8233 CST -.9997
 LSA 3876.5 MSA 198.2 SSA 12.8
 EL1 3682.6 EL2 196.2 ALF 175.35

LAUNCH DATE MAY 22 1967

FLIGHT TIME 70.00

ARRIVAL DATE JUL 31 1967

HELIOCENTRIC CONIC

DISTANCE 140.745

RL 151.43 LAL -1.00 LOL 240.24 VL 18.543 GAL 13.25 AZL 92.42 HCA 48.33 SMA 94.19 ECC .63435 INC 2.4205 V1 29.423
 RP 108.89 LAP -1.81 LOP 248.55 VP 32.073 GAP -38.50 AZP 91.61 TAL 172.07 TAP 220.40 RCA 34.44 APO 153.94 V2 34.802
 RC 59.876 GL -3.62 GP 1.42 ZAL 71.06 ZAP 25.86 ETS 184.74 ZAE 150.78 ETE 165.38 ZAC 129.00 ETC 21.46 CLP 25.83

PLANETOCENTRIC CONIC

C3 145.590 VHL 12.066 DLA .94 RAL 168.67 RAD 6570.6 VEL 16.338 PTH 2.86 VHP 22.288 DPA 20.65 RAP 138.13 ECC 3.3961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 3 2708.60 -27.70 75.18 63.97 96.11 7 18 12 2108.6 -26.57 66.70
 90.00 18 44 58 5294.60 27.21 239.96 63.03 81.86 20 13 12 4694.6 25.81 231.58
 100.00 7 54 50 2444.82 -29.23 55.59 63.78 96.56 8 35 35 1844.8 -28.01 47.00
 100.00 20 5 52 5033.62 28.73 220.52 62.78 81.37 21 29 46 4433.6 27.24 212.03
 110.00 9 4 4 2228.08 -33.37 38.53 63.16 97.88 9 41 13 1628.1 -31.92 29.60
 110.00 21 13 7 4823.12 32.85 203.75 61.99 79.97 22 33 30 4223.1 31.12 194.96

DIFFERENTIAL CORRECTIONS

TDE .6127 TRA-1.4979 TC3 -.1029 BAU .2055
 RDE -.8353 RRA -.4371 RC3 .0236 FAU .01412
 FDE -.3223 FRA .5778 FC3 -.0840 BSP 2077
 BDE 1.0359 BRA 1.5604 BC3 .1056 FSP -67

MID-COURSE EXECUTION ACCURACY

SGT 807.7 SGR 451.3 SG3 32.3
 RRT .0497 RRF -.0463 RTF -.6273
 SGB 925.2 R23 -.0010 R13 -.6274
 SG1 808.2 SG2 450.5 THA 2.31

ORBIT DETERMINATION ACCURACY

ST 360.9 SR 401.5 SS 334.8
 CRT -.7047 CRS -.7959 CST .9888
 LSA 595.1 MSA 221.9 SSA 13.9
 EL1 499.0 EL2 206.0 ALF 130.69

LAUNCH DATE MAY 22 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC

DISTANCE 146.786

RL 151.43 LAL -1.00 LOL 240.24 VL 19.184 GAL 12.73 AZL 92.51 HCA 51.50 SMA 95.84 ECC .60719 INC 2.5096 V1 29.423
 RP 108.90 LAP -1.96 LOP 291.71 VP 32.442 GAP -36.67 AZP 91.56 TAL 171.45 TAP 222.95 RCA 37.65 APO 154.03 V2 34.797
 RC 57.979 GL -4.11 GP 1.47 ZAL 70.11 ZAP 24.34 ETS 184.97 ZAE 151.70 ETE 163.80 ZAC 127.45 ETC 20.94 CLP 24.30

PLANETOCENTRIC CONIC

C3 130.866 VHL 11.440 DLA .11 RAL 169.37 RAD 6570.4 VEL 15.881 PTH 2.81 VHP 21.353 DPA 20.25 RAP 139.82 ECC 3.1537
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 57 2663.06 -27.33 71.90 62.73 97.71 7 26 20 2063.1 -25.98 63.50
 90.00 18 41 38 5300.14 27.27 240.36 62.62 82.05 20 9 59 4700.1 25.89 231.96
 100.00 8 3 21 2400.51 -28.84 52.36 62.49 98.22 8 43 21 1800.5 -27.40 43.85
 100.00 20 2 56 5037.93 28.77 220.83 62.37 81.53 21 26 54 4437.9 27.30 212.34
 110.00 9 11 42 2186.52 -32.94 35.36 61.74 99.71 9 48 9 1586.5 -31.25 26.54
 110.00 21 11 3 4824.68 32.87 203.87 61.60 80.04 22 31 28 4224.7 31.15 195.07

DIFFERENTIAL CORRECTIONS

TDE .6133 TRA-1.4932 TC3 -.1067 BAU .1926
 RDE -.7978 RRA -.4210 RC3 .0273 FAU .01440
 FDE -.3380 FRA .5967 FC3 -.0952 BSP 2230
 BDE 1.0063 BRA 1.5514 BC3 .1101 FSP -74

MID-COURSE EXECUTION ACCURACY

SGT 844.5 SGR 456.1 SG3 35.1
 RRT .0512 RRF -.0484 RTF -.6473
 SGB 959.8 R23 -.0017 R13 -.6474
 SG1 845.0 SG2 455.3 THA 2.23

ORBIT DETERMINATION ACCURACY

ST 380.5 SR 404.6 SS 353.7
 CRT -.7053 CRS -.7990 CST .9883
 LSA 617.9 MSA 226.8 SSA 14.1
 EL1 513.0 EL2 212.7 ALF 132.51

LAUNCH DATE MAY 22 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 152.905

RL 151.43 LAL -1.00 LOL 240.24 VL 19.782 GAL 12.20 AZL 92.59 HCA 54.66 SMA 97.48 ECC .58083 INC 2.5912 V1 29.423
 RP 108.92 LAP -2.11 LOP 294.87 VP 32.795 GAP -34.95 AZP 91.50 TAL 170.86 TAP 225.52 RCA 40.86 APO 154.09 V2 34.793
 RC 56.154 GL -4.62 GP 1.52 ZAL 69.23 ZAP 22.83 ETS 185.25 ZAE 152.74 ETE 161.99 ZAC 125.87 ETC 20.45 CLP 22.78

PLANETOCENTRIC CONIC

C3 117.699 VHL 10.849 DLA -.71 RAL 169.99 RAD 6570.2 VEL 15.461 PTH 2.76 VHP 20.454 DPA 19.84 RAP 141.52 ECC 2.9370
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 32 2616.67 -26.86 68.59 61.37 99.31 7 34 9 2016.7 -25.30 60.27
 90.00 18 38 1 5304.84 27.31 240.69 62.07 82.21 20 6 26 4704.8 25.95 232.29
 100.00 8 11 33 2355.35 -28.36 49.09 61.09 99.88 8 50 48 1755.4 -26.70 40.68
 100.00 19 59 42 5041.39 28.81 221.08 61.83 81.66 21 23 43 4441.4 27.36 212.58
 110.00 9 19 2 2144.11 -32.41 32.16 60.20 101.53 9 54 46 1544.1 -30.48 23.48
 110.00 21 8 42 4825.40 32.88 203.92 61.06 80.07 22 29 7 4225.4 31.16 195.12

DIFFERENTIAL CORRECTIONS

TDE .6143 TRA-1.4877 TC3 -.1096 BAU .1794
 RDE -.7608 RRA -.4047 RC3 .0315 FAU .01470
 FDE -.3545 FRA .6157 FC3 -.1082 BSP 2393
 BDE .9778 BRA 1.5418 BC3 .1140 FSP -83

MID-COURSE EXECUTION ACCURACY

SGT 882.7 SGR 460.2 SG3 38.2
 RRT .0527 RRF -.0506 RTF -.6667
 SGB 995.5 R23 -.0025 R13 -.6669
 SG1 883.2 SG2 459.4 THA 2.16

ORBIT DETERMINATION ACCURACY

ST 401.1 SR 406.9 SS 373.3
 CRT -.7062 CRS -.8023 CST .9878
 LSA 642.0 MSA 231.2 SSA 14.3
 EL1 527.7 EL2 219.0 ALF 134.41

LAUNCH DATE MAY 22 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 159.098

RL 151.43 LAL -1.00 LOL 240.24 VL 20.339 GAL 11.69 AZL 92.67 HCA 57.82 SMA 99.10 ECC .55531 INC 2.6666 V1 29.423
 RP 108.93 LAP -2.26 LOP 298.03 VP 33.131 GAP -33.31 AZP 91.42 TAL 170.29 TAP 228.12 RCA 44.07 APO 154.14 V2 34.790
 RC 54.407 GL -5.17 GP 1.58 ZAL 68.42 ZAP 21.33 ETS 185.59 ZAE 153.88 ETE 159.90 ZAC 124.28 ETC 19.99 CLP 21.28

PLANETOCENTRIC CONIC

C3 105.916 VHL 10.292 DLA -1.54 RAL 170.53 RAD 6570.0 VEL 15.075 PTH 2.71 VHP 19.588 DPA 19.41 RAP 143.22 ECC 2.7431
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 50 2569.43 -26.30 65.24 59.91 100.89 7 41 40 1969.4 -24.53 57.02
 90.00 18 34 5 5308.78 27.35 240.98 61.38 82.35 20 2 33 4708.8 26.00 232.57
 100.00 8 19 28 2309.35 -27.77 45.79 59.59 101.52 8 57 57 1709.3 -25.90 37.49
 100.00 19 56 8 5044.10 28.84 221.28 61.14 81.76 21 20 12 4444.1 27.40 212.77
 110.00 9 26 4 2100.86 -31.77 28.95 58.57 103.33 10 1 5 1500.9 -29.61 20.41
 110.00 21 6 1 4825.35 32.88 203.92 60.39 80.07 22 26 26 4225.4 31.16 195.12

DIFFERENTIAL CORRECTIONS

TDE .6129 TRA-1.4839 TC3 -.1125 BAU .1673
 RDE -.7245 RRA -.3883 RC3 .0361 FAU .01503
 FDE -.3714 FRA .6351 FC3 -.1229 BSP 2501
 BDE .9490 BRA 1.5339 BC3 .1181 FSP -91

MID-COURSE EXECUTION ACCURACY

SGT 923.6 SGR 463.7 SG3 41.6
 RRT .0558 RRF -.0533 RTF -.6844
 SGB 1033.4 R23 -.0024 R13 -.6845
 SG1 924.1 SG2 462.7 THA 2.14

ORBIT DETERMINATION ACCURACY

ST 421.8 SR 408.5 SS 393.6
 CRT -.7054 CRS -.8053 CST .9869
 LSA 666.4 MSA 235.5 SSA 14.6
 EL1 542.3 EL2 225.3 ALF 136.30

LAUNCH DATE MAY 22 1967

FLIGHT TIME 79.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 165.358

RL 151.43 LAL -.00 LCL 240.24 VL 20.859 GAL 11.17 AZL 92.74 HCA 60.98 SMA 100.71 ECC .53068 INC 2.7370 V1 29.423
 RP 108.93 LAP -2.39 LOP 301.19 VP 33.449 GAP -31.74 AZP 91.33 TAL 169.76 TAP 230.74 RCA 47.27 APO 154.16 V2 34.787
 RC 52.748 GL -5.74 GP 1.64 ZAL 67.69 ZAP 19.85 ETS 186.00 ZAE 155.13 ETE 157.46 ZAC 122.68 ETC 19.54 CLP 19.79

PLANETOCENTRIC CONIC

C3 95.364 VHL 9.765 DLA -2.37 RAL 171.00 RAD 6569.9 VEL 14.721 PTH 2.66 VHP 18.754 DPA 18.97 RAP 144.93 ECC 2.5694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 51 2521.35 -25.64 61.88 58.36 102.45 7 48 52 1921.4 -23.67 53.77
 90.00 18 29 47 5312.08 27.38 241.21 60.55 82.47 19 58 19 4712.1 26.05 232.80
 100.00 8 27 5 2262.51 -27.09 42.48 57.99 103.14 9 4 48 1662.5 -25.01 34.29
 100.00 19 52 14 5046.15 28.86 221.43 60.32 81.84 21 16 20 4446.2 27.43 212.92
 110.00 9 32 48 2056.80 -31.03 25.73 56.85 105.11 10 7 5 1456.8 -28.65 17.34
 110.00 21 3 0 4824.63 32.87 203.87 59.58 80.04 22 23 25 4224.6 31.15 195.07

DIFFERENTIAL CORRECTIONS

TDE .6140 TRA-1.4767 TC3 -.1134 BAU .1539
 RDE -.6888 RRA -.3718 RC3 .0414 FAU .01541
 FDE -.3895 FRA .6544 FC3 -.1399 BSP 2672
 BDE .9227 BRA 1.5228 BC3 .1207 FSP -101

MID-COURSE EXECUTION ACCURACY

SGT 964.8 SGR 466.4 SG3 45.3
 RRT .0574 RRF -.0557 RTF -.7024
 SGB 1071.6 R23 -.0031 R13 -.7025
 SG1 965.3 SG2 465.4 THA 2.07

ORBIT DETERMINATION ACCURACY

ST 444.4 SR 409.4 SS 414.9
 CRT -.7066 CRS -.8087 CST .9864
 LSA 692.9 MSA 238.7 SSA 14.8
 EL1 558.6 EL2 230.5 ALF 138.32

LAUNCH DATE MAY 22 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 171.680

RL 151.43 LAL -.00 LCL 240.24 VL 21.343 GAL 10.67 AZL 92.80 HCA 64.14 SMA 102.30 ECC .50597 INC 2.8031 V1 29.423
 RP 108.94 LAP -2.52 LOP 304.35 VP 33.752 GAP -30.26 AZP 91.22 TAL 169.25 TAP 233.40 RCA 50.44 APO 154.16 V2 34.786
 RC 51.183 GL -6.35 GP 1.70 ZAL 67.03 ZAP 18.38 ETS 186.50 ZAE 156.48 ETE 154.60 ZAC 121.06 ETC 19.12 CLP 18.31

PLANETOCENTRIC CONIC

C3 85.912 VHL 9.269 DLA -3.20 RAL 171.39 RAD 6569.7 VEL 14.396 PTH 2.62 VHP 17.950 DPA 18.52 RAP 146.64 ECC 2.4139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 35 2472.46 -24.88 58.50 56.71 103.98 7 55 47 1872.5 -22.71 50.50
 90.00 18 25 8 5314.87 27.40 241.42 59.60 82.56 19 53 43 4714.9 26.09 232.99
 100.00 8 34 26 2214.88 -26.31 39.15 56.31 104.72 9 11 21 1614.9 -24.03 31.10
 100.00 19 47 58 5047.68 28.87 221.54 59.37 81.89 21 12 6 4447.7 27.45 213.02
 110.00 9 39 15 2011.96 -30.19 22.51 55.06 106.84 10 12 47 1412.0 -27.59 14.28
 110.00 20 59 39 4823.36 32.85 203.77 58.63 79.98 22 20 2 4223.4 31.12 194.97

DIFFERENTIAL CORRECTIONS

TDE .6153 TRA-1.4686 TC3 -.1130 BAU .1406
 RDE -.6537 RRA -.3553 RC3 .0472 FAU .01582
 FDE -.4086 FRA .6738 FC3 -.1594 BSP 2839
 BDE .8977 BRA 1.5110 BC3 .1225 FSP -112

MID-COURSE EXECUTION ACCURACY

SGT 1007.6 SGR 468.3 SG3 49.3
 RRT .0593 RRF -.0583 RTF -.7196
 SGB 1111.1 R23 -.0040 R13 -.7198
 SG1 1008.1 SG2 467.3 THA 2.01

ORBIT DETERMINATION ACCURACY

ST 468.1 SR 409.5 SS 437.3
 CRT -.7081 CRS -.8121 CST .9859
 LSA 720.8 MSA 241.4 SSA 15.0
 EL1 575.8 EL2 235.1 ALF 140.37

LAUNCH DATE MAY 22 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 178.060

RL 151.43 LAL -.00 LCL 240.24 VL 21.794 GAL 10.17 AZL 92.87 HCA 67.31 SMA 103.86 ECC .48419 INC 2.8658 V1 29.423
 RP 108.94 LAP -2.64 LOP 307.52 VP 34.038 GAP -28.84 AZP 91.11 TAL 168.78 TAP 236.08 RCA 53.57 APO 154.15 V2 34.784
 RC 49.723 GL -7.00 GP 1.78 ZAL 66.46 ZAP 16.93 ETS 187.13 ZAE 157.90 ETE 151.20 ZAC 119.43 ETC 18.72 CLP 16.83

PLANETOCENTRIC CONIC

C3 77.443 VHL 8.800 DLA -4.03 RAL 171.69 RAD 6569.5 VEL 14.099 PTH 2.57 VHP 17.175 DPA 18.05 RAP 148.35 ECC 2.2745
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 3 2422.79 -24.02 55.12 54.99 105.47 8 2 25 1822.8 -21.66 47.24
 90.00 18 20 6 5317.29 27.42 241.59 58.52 82.65 19 48 43 4717.3 26.12 233.16
 100.00 8 41 30 2166.49 -25.43 35.83 54.55 106.26 9 17 36 1566.5 -22.96 27.90
 100.00 19 43 20 5048.82 28.88 221.62 58.30 81.94 21 7 28 4448.8 27.46 213.11
 110.00 9 45 24 1966.41 -29.25 19.29 53.20 108.53 10 18 11 1366.4 -26.44 11.24
 110.00 20 55 54 4821.67 32.83 203.64 57.56 79.91 22 16 16 4221.7 31.09 194.85

DIFFERENTIAL CORRECTIONS

TDE .6169 TRA-1.4591 TC3 -.1108 BAU .1274
 RDE -.6193 RRA -.3389 RC3 .0537 FAU .01628
 FDE -.4288 FRA .6934 FC3 -.1820 BSP 3015
 BDE .8742 BRA 1.4980 BC3 .1231 FSP -124

MID-COURSE EXECUTION ACCURACY

SGT 1051.8 SGR 469.5 SG3 53.6
 RRT .0612 RRF -.0611 RTF -.7362
 SGB 1151.9 R23 -.0049 R13 -.7363
 SG1 1052.3 SG2 468.4 THA 1.95

ORBIT DETERMINATION ACCURACY

ST 492.9 SR 408.7 SS 460.9
 CRT -.7100 CRS -.8157 CST .9854
 LSA 750.3 MSA 243.4 SSA 15.1
 EL1 594.1 EL2 238.8 ALF 142.44

LAUNCH DATE MAY 22 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 184.492

RL 151.43 LAL -.00 LCL 240.24 VL 22.215 GAL 9.69 AZL 92.93 HCA 70.47 SMA 105.39 ECC .46237 INC 2.9256 V1 29.423
 RP 108.94 LAP -2.76 LOP 310.68 VP 34.309 GAP -27.48 AZP 90.98 TAL 168.34 TAP 238.81 RCA 56.66 APO 154.11 V2 34.784
 RC 48.377 GL -7.69 GP 1.86 ZAL 65.96 ZAP 15.47 ETS 187.91 ZAE 159.37 ETE 147.11 ZAC 117.79 ETC 18.34 CLP 15.37

PLANETOCENTRIC CONIC

C3 69.857 VHL 8.358 DLA -4.87 RAL 171.91 RAD 6569.3 VEL 13.828 PTH 2.53 VHP 16.427 DPA 17.58 RAP 150.06 ECC 2.1497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 15 2372.39 -23.06 51.73 53.20 106.91 8 8 47 1772.4 -20.53 43.98
 90.00 18 14 39 5319.49 27.44 241.75 57.32 82.72 19 43 18 4719.5 26.15 233.32
 100.00 8 48 18 2117.38 -24.45 32.51 52.73 107.75 9 23 35 1517.4 -21.80 24.72
 100.00 19 38 17 5049.73 28.89 221.69 57.10 81.97 21 2 26 4449.7 27.48 213.17
 110.00 9 51 17 1920.18 -28.21 16.10 51.29 110.16 10 23 17 1320.2 -25.20 8.22
 110.00 20 51 47 4819.69 32.81 203.49 56.37 79.82 22 12 6 4219.7 31.06 194.71

DIFFERENTIAL CORRECTIONS

TDE .6188 TRA-1.4484 TC3 -.1064 BAU .1146
 RDE -.5857 RRA -.3226 RC3 .0610 FAU .01679
 FDE -.4504 FRA .7132 FC3 -.2081 BSP 3198
 BDE .8520 BRA 1.4839 BC3 .1227 FSP -137

MID-COURSE EXECUTION ACCURACY

SGT 1097.5 SGR 470.0 SG3 58.4
 RRT .0634 RRF -.0642 RTF -.7521
 SGB 1193.9 R23 -.0058 R13 -.7522
 SG1 1098.0 SG2 468.8 THA 1.90

ORBIT DETERMINATION ACCURACY

ST 519.0 SR 407.0 SS 485.7
 CRT -.7122 CRS -.8195 CST .9849
 LSA 781.5 MSA 244.7 SSA 15.3
 EL1 613.7 EL2 241.6 ALF 144.51

LAUNCH DATE MAY 22 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 190.972

RL 151.43 LAL -.00 LOL 240.24 VL 22.608 GAL 9.22 AZL 92.98 HCA 73.63 SMA 106.88 ECC .44151 INC 2.9832 V1 29.423
 RP 108.94 LAP -2.86 LOP 313.84 VP 34.564 GAP -26.18 AZP 90.84 TAL 167.95 TAP 241.57 RCA 59.69 APO 154.07 V2 34.784
 RC 47.155 GL -8.41 GP 1.94 ZAL 65.55 ZAP 14.03 ETS 188.89 ZAE 160.86 ETE 142.15 ZAC 116.15 ETC 17.98 CLP 13.90

PLANETOCENTRIC CONIC

C3 63.062 VHL 7.941 DLA -5.72 RAL 172.04 RAD 6569.2 VEL 13.580 PTH 2.48 VHP 15.706 DPA 17.11 RAP 151.76 ECC 2.0378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 12 2321.30 -22.01 48.36 51.35 108.28 8 14 53 1721.3 -19.31 40.73
 90.00 18 8 45 5321.66 27.46 241.90 56.01 82.80 19 37 27 4721.7 26.18 233.47
 100.00 8 54 50 2067.62 -23.38 29.20 50.85 109.18 9 29 17 1467.6 -20.55 21.55
 100.00 19 32 48 5050.57 28.90 221.75 55.79 82.00 20 56 59 4450.6 27.49 213.23
 110.00 9 56 53 1873.37 -27.07 12.94 49.33 111.72 10 28 6 1273.4 -23.88 5.23
 110.00 20 47 15 4817.59 32.78 203.33 55.06 79.73 22 7 32 4217.6 31.02 194.56

DIFFERENTIAL CORRECTIONS

TOE .6189 TRA-1.4386 TC3 -.1011 BAU .1032
 RDE -.5529 RRA -.3066 RC3 .0690 FAU .01734
 FDE -.4733 FRA .7336 FC3 -.2380 BSP 3327
 BDE .8298 BRA 1.4709 BC3 .1224 FSP -151

MID-COURSE EXECUTION ACCURACY

SGT 1146.0 SGR 469.6 SG3 63.6
 RRT .0673 RRF -.0679 RTF -.7661
 SGB 1238.5 R23 -.0060 R13 -.7663
 SG1 1146.5 SG2 468.3 THA 1.90

ORBIT DETERMINATION ACCURACY

ST 545.3 SR 404.4 SS 511.7
 CRT -.7131 CRS -.8231 CST .9841
 LSA 813.7 MSA 245.8 SSA 15.5
 EL1 633.5 EL2 244.1 ALF 146.52

LAUNCH DATE MAY 22 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 197.494

RL 151.43 LAL -.00 LOL 240.24 VL 22.974 GAL 8.76 AZL 93.04 HCA 76.79 SMA 108.33 ECC .42161 INC 3.0389 V1 29.423
 RP 108.94 LAP -2.96 LOP 317.01 VP 34.806 GAP -24.93 AZP 90.70 TAL 167.59 TAP 244.38 RCA 62.66 APO 154.01 V2 34.785
 RC 46.068 GL -9.18 GP 2.04 ZAL 65.22 ZAP 12.59 ETS 190.17 ZAE 162.30 ETE 136.11 ZAC 114.50 ETC 17.64 CLP 12.43

PLANETOCENTRIC CONIC

C3 56.978 VHL 7.548 DLA -6.58 RAL 172.09 RAD 6569.0 VEL 13.354 PTH 2.44 VHP 15.010 DPA 16.63 RAP 153.46 ECC 1.9377
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 54 2269.58 -20.86 45.00 49.46 109.59 8 20 44 1669.6 -18.00 37.49
 90.00 18 2 24 5323.98 27.48 242.07 54.59 82.88 19 31 8 4724.0 26.21 233.63
 100.00 9 1 7 2017.28 -22.22 25.91 48.93 110.53 9 34 44 1417.3 -19.22 18.40
 100.00 19 26 52 5051.52 28.91 221.82 54.38 82.04 20 51 4 4451.5 27.50 213.30
 110.00 10 2 12 1826.03 -25.84 9.81 47.34 113.20 10 32 38 1226.0 -22.47 2.27
 110.00 20 42 17 4815.52 32.76 203.18 53.65 79.64 22 2 32 4215.5 30.98 194.41

DIFFERENTIAL CORRECTIONS

TOE .6213 TRA-1.4251 TC3 -.0919 BAU .0917
 RDE -.5208 RRA -.2909 RC3 .0778 FAU .01796
 FDE -.4983 FRA .7541 FC3 -.2729 BSP 3508
 BDE .8107 BRA 1.4545 BC3 .1204 FSP -167

MID-COURSE EXECUTION ACCURACY

SGT 1194.7 SGR 468.4 SG3 69.4
 RRT .0702 RRF -.0716 RTF -.7803
 SGB 1283.3 R23 -.0070 R13 -.7805
 SG1 1195.3 SG2 467.1 THA 1.86

ORBIT DETERMINATION ACCURACY

ST 573.7 SR 400.9 SS 539.5
 CRT -.7159 CRS -.8271 CST .9837
 LSA 848.7 MSA 245.7 SSA 15.7
 EL1 655.7 EL2 244.9 ALF 148.55

LAUNCH DATE MAY 22 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 204.054

RL 151.43 LAL -.00 LOL 240.24 VL 23.314 GAL 8.31 AZL 93.09 HCA 79.95 SMA 109.75 ECC .40265 INC 3.0932 V1 29.423
 RP 108.93 LAP -3.05 LOP 320.17 VP 35.033 GAP -23.74 AZP 90.54 TAL 167.27 TAP 247.22 RCA 65.56 APO 153.94 V2 34.787
 RC 45.125 GL -9.99 GP 2.15 ZAL 64.99 ZAP 11.16 ETS 191.84 ZAE 163.62 ETE 128.75 ZAC 112.85 ETC 17.31 CLP 10.96

PLANETOCENTRIC CONIC

C3 51.534 VHL 7.179 DLA -7.44 RAL 172.04 RAD 6568.9 VEL 13.149 PTH 2.40 VHP 14.338 DPA 16.14 RAP 155.15 ECC 1.8481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 23 2217.31 -19.63 41.65 47.52 110.82 8 26 20 1617.3 -16.63 34.27
 90.00 17 55 33 5326.64 27.50 242.26 53.08 82.98 19 24 19 4726.6 26.24 233.82
 100.00 9 7 9 1966.42 -20.97 22.65 46.97 111.81 9 39 56 1366.4 -17.82 15.27
 100.00 19 20 27 5052.76 28.92 221.91 52.87 82.08 20 44 40 4452.8 27.52 213.38
 110.00 10 7 15 1778.27 -24.52 6.72 45.32 114.60 10 36 53 1178.3 -20.99 359.35
 110.00 20 36 51 4813.67 32.74 203.04 52.15 79.56 21 57 5 4213.7 30.95 194.27

DIFFERENTIAL CORRECTIONS

TOE .6246 TRA-1.4100 TC3 -.0793 BAU .0814
 RDE -.4895 RRA -.2755 RC3 .0875 FAU .01865
 FDE -.5254 FRA .7749 FC3 -.3133 BSP 3696
 BDE .7935 BRA 1.4367 BC3 .1181 FSP -185

MID-COURSE EXECUTION ACCURACY

SGT 1244.8 SGR 466.5 SG3 75.7
 RRT .0734 RRF -.0759 RTF -.7940
 SGB 1329.3 R23 -.0082 R13 -.7941
 SG1 1245.3 SG2 465.0 THA 1.83

ORBIT DETERMINATION ACCURACY

ST 603.7 SR 396.3 SS 569.1
 CRT -.7194 CRS -.8312 CST .9833
 LSA 886.1 MSA 244.8 SSA 15.8
 EL1 679.5 EL2 244.6 ALF 150.53

LAUNCH DATE MAY 22 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 210.648

RL 151.43 LAL -.00 LOL 240.24 VL 23.631 GAL 7.88 AZL 93.15 HCA 83.11 SMA 111.11 ECC .38465 INC 3.1464 V1 29.423
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.247 GAP -22.60 AZP 90.38 TAL 167.00 TAP 250.11 RCA 68.37 APO 153.85 V2 34.790
 RC 44.335 GL -10.84 GP 2.26 ZAL 64.84 ZAP 9.74 ETS 194.10 ZAE 164.72 ETE 119.92 ZAC 111.20 ETC 17.01 CLP 9.48

PLANETOCENTRIC CONIC

C3 46.666 VHL 6.831 DLA -8.31 RAL 171.90 RAD 6568.7 VEL 12.963 PTH 2.36 VHP 13.690 DPA 15.66 RAP 156.83 ECC 1.7680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 39 2164.56 -18.32 38.34 45.56 111.97 8 31 43 1564.6 -15.18 31.07
 90.00 17 48 10 5329.84 27.53 242.49 51.47 83.09 19 17 0 4729.8 26.29 234.05
 100.00 9 12 58 1915.13 -19.63 19.42 44.98 113.00 9 44 53 1315.1 -16.35 12.17
 100.00 19 13 32 5054.50 28.93 222.04 51.27 82.15 20 37 47 4454.5 27.55 213.51
 110.00 10 12 2 1730.18 -23.12 3.69 43.28 115.91 10 40 52 1130.2 -19.45 356.48
 110.00 20 30 58 4812.21 32.72 202.93 50.55 79.50 21 51 10 4212.2 30.93 194.17

DIFFERENTIAL CORRECTIONS

TOE .6286 TRA-1.3930 TC3 -.0627 BAU .0727
 RDE -.4590 RRA -.2605 RC3 .0982 FAU .01942
 FDE -.5550 FRA .7960 FC3 -.3603 BSP 3894
 BDE .7784 BRA 1.4172 BC3 .1165 FSP -205

MID-COURSE EXECUTION ACCURACY

SGT 1296.0 SGR 463.7 SG3 82.6
 RRT .0770 RRF -.0807 RTF -.8069
 SGB 1376.4 R23 -.0096 R13 -.8071
 SG1 1296.5 SG2 462.1 THA 1.81

ORBIT DETERMINATION ACCURACY

ST 635.2 SR 390.7 SS 600.6
 CRT -.7235 CRS -.8355 CST .9830
 LSA 926.1 MSA 243.0 SSA 16.0
 EL1 705.0 EL2 243.0 ALF 152.47

LAUNCH DATE MAY 22 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 217.270

RL 151.43 LAL -.00 LOL 240.24 VL 23.926 GAL 7.46 AZL 93.20 HCA 86.27 SMA 112.43 ECC .36757 INC 3.1990 V1 29.423
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.449 GAP -21.49 AZP 90.21 TAL 166.78 TAP 253.05 RCA 71.11 APO 153.76 V2 .34.793
 RC 43.707 GL -11.74 GP 2.39 ZAL 64.78 ZAP 8.33 ETS 197.25 ZAE 165.47 ETE 109.68 ZAC 109.56 ETC 16.71 CLP 7.99

PLANETOCENTRIC CONIC

C3 42.317 VHL 6.505 DLA -9.20 RAL 171.67 RAD 6568.6 VEL 12.794 PTH 2.33 VHP 13.064 DPA 15.18 RAP 158.49 ECC 1.6964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 43 2111.40 -16.94 35.05 43.57 113.04 8 36 54 1511.4 -13.67 27.90
 90.00 17 40 15 5333.79 27.56 242.78 49.79 83.23 19 9 9 4733.8 26.34 234.32
 100.00 9 18 33 1863.49 -18.23 16.23 42.98 114.11 9 49 37 1263.5 -14.82 9.10
 100.00 19 6 6 5056.93 28.96 222.21 49.59 82.24 20 30 23 4456.9 27.58 213.68
 110.00 10 16 34 1681.86 -21.65 .70 41.23 117.12 10 44 35 1081.9 -17.85 353.65
 110.00 20 24 35 4811.33 32.71 202.86 48.88 79.46 21 44 46 4211.3 30.91 194.10

DIFFERENTIAL CORRECTIONS

TDE .6332 TRA-1.3745 TC3 -.0419 BAU .0665
 RDE -.4294 RRA -.2461 RC3 .1098 FAU .02028
 FDE -.5874 FRA .8176 FC3 -.4148 BSP 4089
 BDE .7651 BRA 1.3964 BC3 .1175 FSP -226

MID-COURSE EXECUTION ACCURACY

SGT 1348.4 SGR 460.1 SG3 90.3
 RRT .0815 RRF -.0865 RTF -.8192
 SGB 1424.7 R23 -.0110 R13 -.8194
 SG1 1348.9 SG2 458.4 THA 1.80

ORBIT DETERMINATION ACCURACY

ST 668.1 SR 384.0 SS 634.4
 CRT -.7278 CRS -.8398 CST .9828
 LSA 968.5 MSA 240.6 SSA 16.1
 EL1 732.2 EL2 240.3 ALF 154.34

LAUNCH DATE MAY 22 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 223.918

RL 151.43 LAL -.00 LOL 240.24 VL 24.201 GAL 7.06 AZL 93.25 HCA 89.43 SMA 113.71 ECC .35141 INC 3.2512 V1 29.423
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.638 GAP -20.44 AZP 90.03 TAL 166.59 TAP 256.03 RCA 73.75 APO 153.66 V2 34.797
 RC 43.245 GL -12.69 GP 2.53 ZAL 64.81 ZAP 6.96 ETS 201.84 ZAE 165.76 ETE 98.43 ZAC 107.93 ETC 16.44 CLP 6.48

PLANETOCENTRIC CONIC

C3 38.436 VHL 6.200 DLA -10.09 RAL 171.34 RAD 6568.5 VEL 12.641 PTH 2.29 VHP 12.460 DPA 14.71 RAP 160.15 ECC 1.6326
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 35 2057.91 -15.48 31.80 41.57 114.01 8 41 53 1457.9 -12.11 24.75
 90.00 17 31 46 5338.71 27.60 243.13 48.04 83.40 19 0 45 4738.7 26.40 234.67
 100.00 9 23 56 1811.59 -16.76 13.08 40.96 115.12 9 54 8 1211.6 -13.23 6.06
 100.00 18 58 6 5060.26 28.99 222.46 47.84 82.36 20 22 26 4460.3 27.63 213.92
 110.00 10 20 50 1633.40 -20.12 357.78 39.18 118.23 10 48 4 1033.4 -16.19 350.86
 110.00 20 17 41 4811.21 32.71 202.85 47.15 79.46 21 37 53 4211.2 30.91 194.09

DIFFERENTIAL CORRECTIONS

TDE .6384 TRA-1.3545 TC3 -.0165 BAU .0635
 RDE -.4007 RRA -.2322 RC3 .1224 FAU .02122
 FDE -.6231 FRA .8399 FC3 -.4780 BSP 4282
 BDE .7537 BRA 1.3742 BC3 .1235 FSP -251

MID-COURSE EXECUTION ACCURACY

SGT 1401.8 SGR 455.7 SG3 98.7
 RRT .0869 RRF -.0933 RTF -.8307
 SGB 1474.0 R23 -.0127 R13 -.8309
 SG1 1402.4 SG2 453.8 THA 1.81

ORBIT DETERMINATION ACCURACY

ST 702.6 SR 376.1 SS 670.4
 CRT -.7326 CRS -.8441 CST .9827
 LSA 1013.8 MSA 237.5 SSA 16.3
 EL1 761.0 EL2 236.3 ALF 156.15

LAUNCH DATE MAY 22 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 230.586

RL 151.43 LAL -.00 LOL 240.24 VL 24.456 GAL 6.67 AZL 93.30 HCA 92.60 SMA 114.93 ECC .33614 INC 3.3033 V1 29.423
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.816 GAP -19.42 AZP 89.85 TAL 166.46 TAP 259.06 RCA 76.30 APO 153.56 V2 34.801
 RC 42.956 GL -13.69 GP 2.69 ZAL 64.93 ZAP 5.64 ETS 208.89 ZAE 165.54 ETE 86.97 ZAC 106.31 ETC 16.18 CLP 4.96

PLANETOCENTRIC CONIC

C3 34.978 VHL 5.914 DLA -11.00 RAL 170.92 RAD 6568.4 VEL 12.504 PTH 2.26 VHP 11.877 DPA 14.25 RAP 161.78 ECC 1.5756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 18 2004.17 -13.97 28.58 39.55 114.88 8 46 42 1404.2 -10.50 21.62
 90.00 17 22 41 5344.80 27.65 243.57 46.22 83.62 18 51 45 4744.8 26.47 235.10
 100.00 9 29 8 1759.52 -15.23 9.97 38.94 116.04 9 58 27 1159.5 -11.60 3.06
 100.00 18 49 32 5064.68 29.03 222.78 46.03 82.53 20 13 56 4464.7 27.69 214.23
 110.00 10 24 53 1584.93 -18.54 354.92 37.12 119.25 10 51 18 984.9 -14.50 348.13
 110.00 20 10 16 4812.03 32.72 202.91 45.35 79.49 21 30 28 4212.0 30.92 194.15

DIFFERENTIAL CORRECTIONS

TDE .6448 TRA-1.3325 TC3 .0143 BAU .0640
 RDE -.3727 RRA -.2189 RC3 .1360 FAU .02228
 FDE -.6627 FRA .8627 FC3 -.5514 BSP 4487
 BDE .7448 BRA 1.3903 BC3 .1368 FSP -278

MID-COURSE EXECUTION ACCURACY

SGT 1456.0 SGR 450.5 SG3 108.0
 RRT .0933 RRF -.1012 RTF -.8417
 SGB 1524.1 R23 -.0146 R13 -.8418
 SG1 1456.6 SG2 448.3 THA 1.83

ORBIT DETERMINATION ACCURACY

ST 738.8 SR 366.9 SS 709.3
 CRT -.7378 CRS -.8485 CST .9826
 LSA 1062.5 MSA 233.6 SSA 16.4
 EL1 791.9 EL2 231.1 ALF 157.90

LAUNCH DATE MAY 22 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 237.272

RL 151.43 LAL -.00 LOL 240.24 VL 24.692 GAL 6.30 AZL 93.36 HCA 95.76 SMA 116.10 ECC .32175 INC 3.3557 V1 29.423
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.984 GAP -18.44 AZP 89.66 TAL 166.37 TAP 262.13 RCA 78.74 APO 153.45 V2 34.806
 RC 42.841 GL -14.74 GP 2.86 ZAL 65.15 ZAP 4.46 ETS 220.29 ZAE 164.82 ETE 76.17 ZAC 104.70 ETC 15.93 CLP 3.42

PLANETOCENTRIC CONIC

C3 31.900 VHL 5.648 DLA -11.92 RAL 170.40 RAD 6568.3 VEL 12.380 PTH 2.23 VHP 11.315 DPA 13.81 RAP 163.40 ECC 1.5250
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 52 1950.24 -12.40 25.40 37.54 115.66 8 51 22 1350.2 -8.85 18.52
 90.00 17 12 57 5352.28 27.70 244.11 44.36 83.88 18 42 10 4752.3 26.57 235.63
 100.00 9 34 8 1707.36 -13.64 6.91 36.91 116.86 10 2 36 1107.4 -9.93 .09
 100.00 18 40 22 5070.39 29.08 223.19 44.17 82.74 20 4 52 4470.4 27.77 214.64
 110.00 10 28 41 1536.54 -16.90 352.12 35.08 120.16 10 54 18 936.5 -12.77 345.45
 110.00 20 2 18 4813.97 32.74 203.06 43.51 79.58 21 22 32 4214.0 30.96 194.29

DIFFERENTIAL CORRECTIONS

TDE .6521 TRA-1.3090 TC3 .0506 BAU .0678
 RDE -.3456 RRA -.2062 RC3 .1507 FAU .02345
 FDE -.7067 FRA .8864 FC3 -.6363 BSP 4680
 BDE .7381 BRA 1.3251 BC3 .1589 FSP -308

MID-COURSE EXECUTION ACCURACY

SGT 1510.9 SGR 444.5 SG3 118.3
 RRT .1012 RRF -.1109 RTF -.8519
 SGB 1574.9 R23 -.0167 R13 -.8521
 SG1 1511.6 SG2 442.0 THA 1.86

ORBIT DETERMINATION ACCURACY

ST 776.8 SR 356.4 SS 751.2
 CRT -.7433 CRS -.8527 CST .9827
 LSA 1114.5 MSA 229.1 SSA 16.5
 EL1 824.6 EL2 224.6 ALF 159.59

LAUNCH DATE MAY 22 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 243.971

RL 151.43 LAL -.00 LOL 240.24 VL 24.912 GAL 5.94 AZL 93.41 HCA 98.93 SMA 117.21 ECC .30821 INC 3.4087 V1 29.423
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.140 GAP -17.49 AZP 89.47 TAL 166.33 TAP 265.25 RCA 81.09 APO 153.34 V2 34.812
 RC 42.900 GL -15.83 GP 3.06 ZAL 65.46 ZAP 3.58 ETS 239.07 ZAE 163.66 ETE 66.67 ZAC 103.11 ETC 15.69 CLP 1.86

PLANETOCENTRIC CONIC

C3 29.165 VHL 5.400 DLA -12.85 RAL 169.78 RAD 6568.2 VEL 12.269 PTH 2.21 VHP 10.773 DPA 13.38 RAP 165.00 ECC 1.4800
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 18 1896.19 -10.79 22.25 35.53 116.34 8 55 55 1296.2 -7.16 15.44
 90.00 17 2 35 5361.35 27.77 244.77 42.45 84.21 18 31 57 4761.3 26.67 236.27
 100.00 9 39 0 1655.19 -12.02 3.89 34.89 117.58 10 6 35 1055.2 -8.23 357.15
 100.00 18 30 34 5077.58 29.14 223.72 42.28 83.01 19 55 12 4477.6 27.86 215.15
 110.00 10 32 17 1488.34 -15.23 349.38 33.04 120.98 10 57 5 888.3 -11.02 342.81
 110.00 19 53 47 4817.19 32.78 203.30 41.63 79.72 21 14 5 4217.2 31.01 194.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6606 TRA-1.2837 TC3 .0932 BAU .0744 SGT 1566.1 SGR 437.8 SG3 129.8 ST 816.6 SR 344.6 SS 796.5
 RDE -.3192 RRA -.1943 RC3 .1664 FAU .02476 RRT .1109 RRF -.1225 RTF -.8616 CRT -.7490 CRS -.8567 CST .9829
 FDE -.7560 FRA .9108 FC3 -.7349 BSP 4884 SGB 1626.1 R23 -.0191 R13 -.8618 LSA 1170.3 MSA 224.1 SSA 16.6
 BDE .7337 BRA 1.2983 BC3 .1907 FSP -341 SG1 1566.9 SG2 434.9 THA 1.92 EL1 859.4 EL2 217.0 ALF 161.22

LAUNCH DATE MAY 22 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 250.680

RL 151.43 LAL -.00 LOL 240.24 VL 25.115 GAL 5.60 AZL 93.46 HCA 102.09 SMA 118.28 ECC .29550 INC 3.4627 V1 29.423
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.287 GAP -16.58 AZP 89.27 TAL 166.33 TAP 268.42 RCA 83.33 APO 153.23 V2 34.819
 RC 43.133 GL -16.97 GP 3.28 ZAL 65.86 ZAP 3.29 ETS 265.74 ZAE 162.19 ETE 58.69 ZAC 101.54 ETC 15.47 CLP .26

PLANETOCENTRIC CONIC

C3 28.741 VHL 5.171 DLA -13.79 RAL 169.07 RAD 6568.1 VEL 12.170 PTH 2.18 VHP 10.251 DPA 12.98 RAP 166.57 ECC 1.4401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 40 1842.08 -9.14 19.13 33.53 116.92 9 0 22 1242.1 -5.45 12.38
 90.00 16 51 32 5372.21 27.84 245.55 40.51 84.59 18 21 5 4772.2 26.80 237.04
 100.00 9 43 44 1603.08 -10.36 .91 32.88 118.20 10 10 27 1003.1 -6.51 354.24
 100.00 18 20 9 5086.43 29.21 224.37 40.35 83.35 19 44 56 4486.4 27.98 215.78
 110.00 10 35 40 1440.43 -13.54 346.70 31.01 121.69 10 59 41 840.4 -9.25 340.23
 110.00 19 44 43 4821.85 32.84 203.65 39.73 79.92 21 5 4 4221.9 31.10 194.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6694 TRA-1.2573 TC3 .1415 BAU .0827 SGT 1621.4 SGR 430.4 SG3 142.5 ST 857.5 SR 331.2 SS 845.2
 RDE -.2935 RRA -.1831 RC3 .1831 FAU .02621 RRT .1235 RRF -.1369 RTF -.8704 CRT -.7542 CRS -.8604 CST .9830
 FDE -.8110 FRA .9363 FC3 -.8486 BSP 5071 SGB 1677.6 R23 -.0216 R13 -.8707 LSA 1229.4 MSA 218.9 SSA 16.6
 BDE .7309 BRA 1.2706 BC3 .2314 FSP -379 SG1 1622.4 SG2 426.9 THA 2.02 EL1 895.4 EL2 208.3 ALF 162.80

LAUNCH DATE MAY 22 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 257.395

RL 151.43 LAL -.00 LOL 240.24 VL 25.304 GAL 5.27 AZL 93.52 HCA 105.26 SMA 119.29 ECC .28359 INC 3.5180 V1 29.423
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.425 GAP -15.71 AZP 89.07 TAL 166.37 TAP 271.63 RCA 85.46 APO 153.12 V2 34.826
 RC 43.534 GL -18.16 GP 3.52 ZAL 66.35 ZAP 3.78 ETS 291.49 ZAE 160.52 ETE 52.18 ZAC 100.00 ETC 15.25 CLP -1.38

PLANETOCENTRIC CONIC

C3 24.597 VHL 4.960 DLA -14.74 RAL 168.26 RAD 6568.0 VEL 12.082 PTH 2.16 VHP 9.747 DPA 12.61 RAP 168.11 ECC 1.4048
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 59 1787.93 -7.45 16.04 31.54 117.40 9 4 47 1187.9 -3.72 9.34
 90.00 16 39 48 5385.06 27.92 246.49 38.56 85.05 18 9 33 4785.1 26.94 237.96
 100.00 9 48 23 1551.09 -8.67 357.97 30.89 118.72 10 14 14 951.1 -4.77 351.35
 100.00 18 9 5 5097.13 29.29 225.15 38.40 83.75 19 34 2 4497.1 28.12 216.55
 110.00 10 38 53 1392.89 -11.82 344.09 29.00 122.31 11 2 6 792.9 -7.47 337.69
 110.00 19 35 4 4828.10 32.91 204.13 37.81 80.19 20 55 32 4228.1 31.21 195.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6808 TRA-1.2277 TC3 .1978 BAU .0927 SGT 1675.7 SGR 422.5 SG3 156.6 ST 901.3 SR 316.3 SS 898.2
 RDE -.2684 RRA -.1728 RC3 .2010 FAU .02785 RRT .1383 RRF -.1545 RTF -.8793 CRT -.7600 CRS -.8635 CST .9835
 FDE -.8733 FRA .9628 FC3 -.9801 BSP 5285 SGB 1728.2 R23 -.0251 R13 -.8796 LSA 1293.7 MSA 212.8 SSA 16.6
 BDE .7318 BRA 1.2398 BC3 .2820 FSP -421 SG1 1676.8 SG2 418.2 THA 2.13 EL1 934.3 EL2 198.3 ALF 164.34

LAUNCH DATE MAY 22 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 264.115

RL 151.43 LAL -.00 LOL 240.24 VL 25.478 GAL 4.96 AZL 93.57 HCA 108.43 SMA 120.24 ECC .27246 INC 3.5750 V1 29.423
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.553 GAP -14.86 AZP 88.87 TAL 166.46 TAP 274.89 RCA 87.48 APO 153.00 V2 34.834
 RC 44.099 GL -19.40 GP 3.80 ZAL 66.92 ZAP 4.87 ETS 308.87 ZAE 158.75 ETE 46.93 ZAC 98.48 ETC 15.05 CLP -3.05

PLANETOCENTRIC CONIC

C3 22.706 VHL 4.765 DLA -15.71 RAL 167.36 RAD 6567.9 VEL 12.004 PTH 2.14 VHP 9.262 DPA 12.28 RAP 169.63 ECC 1.3737
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 17 1733.77 -5.75 12.98 29.59 117.78 9 9 11 1133.8 -1.98 6.32
 90.00 16 27 20 5400.11 28.00 247.58 36.59 85.60 17 57 20 4800.1 27.10 239.03
 100.00 9 52 58 1499.26 -6.97 355.07 28.92 119.14 10 17 57 899.3 -3.03 348.50
 100.00 17 57 20 5109.84 29.38 226.09 36.45 84.23 19 22 30 4509.8 28.27 217.46
 110.00 10 41 57 1345.81 -10.10 341.53 27.02 122.83 11 4 23 745.8 -5.70 335.20
 110.00 19 24 50 4836.06 33.00 204.73 35.88 80.53 20 45 27 4236.1 31.34 195.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6925 TRA-1.1981 TC3 .2586 BAU .1030 SGT 1730.2 SGR 414.1 SG3 172.4 ST 946.0 SR 299.6 SS 955.4
 RDE -.2438 RRA -.1633 RC3 .2199 FAU .02966 RRT .1574 RRF -.1764 RTF -.8871 CRT -.7643 CRS -.8657 CST .9840
 FDE -.9434 FRA .9907 FC3-1.1309 BSP 5474 SGB 1779.0 R23 -.0288 R13 -.8874 LSA 1361.8 MSA 206.9 SSA 16.6
 BDE .7341 BRA 1.2092 BC3 .3395 FSP -467 SG1 1731.5 SG2 408.6 THA 2.29 EL1 974.4 EL2 187.5 ALF 165.86

LAUNCH DATE MAY 22 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 270.835

RL 151.43 LAL -0.00 LOL 240.24 VL 25.639 GAL 4.66 AZL 93.63 HCA 111.60 SMA 121.15 ECC .26208 INC 3.6342 V1 29.423
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.673 GAP -14.04 AZP 88.66 TAL 166.59 TAP 278.19 RCA 89.40 APO 152.90 V2 34.842
 RC 44.820 GL -20.68 GP 4.11 ZAL 67.57 ZAP 6.30 ETS 319.33 ZAE 156.97 ETE 42.73 ZAC 97.01 ETC 14.85 CLP -4.78

PLANETOCENTRIC CONIC

C3 21.044 VHL 4.587 DLA -16.68 RAL 166.38 RAD 6567.9 VEL 11.934 PTH 2.12 VHP 8.795 DPA 12.00 RAP 171.11 ECC 1.3463
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 39 1679.58 -4.02 9.93 27.66 118.05 9 13 38 1079.6 -0.24 3.29
 90.00 16 14 7 5417.55 28.09 248.85 34.62 86.23 17 44 25 4817.5 27.27 240.28
 100.00 9 57 32 1447.62 -5.24 352.20 26.98 119.47 10 21 39 847.6 -1.28 345.66
 100.00 17 44 55 5124.74 29.48 227.18 34.49 84.80 19 10 20 4524.7 28.45 218.53
 110.00 10 44 53 1299.27 -8.37 339.04 25.07 123.26 11 6 32 699.3 -3.93 332.76
 110.00 19 14 3 4845.86 33.11 205.48 33.96 80.96 20 34 49 4245.9 31.51 196.62

DIFFERENTIAL CORRECTIONS

TDE .7058 TRA-1.1663 TC3 .3260 BAU .1139
 RDE -.2195 RRA -.1548 RC3 .2399 FAU .03170
 FDE-1.0235 FRA 1.0197 FC3-1.3040 BSP 5660
 BDE .7391 BRA 1.1765 BC3 .4048 FSP -520

MID-COURSE EXECUTION ACCURACY

SGT 1783.0 SGR 405.4 SG3 189.9
 RRT .1812 RRF -.2032 RTF -.8946
 SGB 1828.5 R23 -.0331 R13 -.8950
 SG1 1784.6 SG2 398.3 THA 2.78

ORBIT DETERMINATION ACCURACY

ST 992.6 SR 280.9 SS 1017.9
 CRT -.7677 CRS -.8668 CST .9846
 LSA 1435.2 MSA 200.7 SSA 16.5
 EL1 1016.5 EL2 175.8 ALF 167.36

LAUNCH DATE MAY 22 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 277.555

RL 151.43 LAL -0.00 LOL 240.24 VL 25.787 GAL 4.38 AZL 93.70 HCA 114.77 SMA 121.99 ECC .25243 INC 3.6960 V1 29.423
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.786 GAP -13.25 AZP 88.45 TAL 166.75 TAP 281.53 RCA 91.20 APO 152.79 V2 34.851
 RC 45.690 GL -21.99 GP 4.47 ZAL 68.29 ZAP 7.93 ETS 325.76 ZAE 155.22 ETE 39.38 ZAC 95.58 ETC 14.67 CLP -6.56

PLANETOCENTRIC CONIC

C3 19.588 VHL 4.426 DLA -17.66 RAL 165.31 RAD 6567.8 VEL 11.873 PTH 2.11 VHP 8.346 DPA 11.77 RAP 172.56 ECC 1.3224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 8 1625.31 -2.28 6.90 25.77 118.23 9 18 13 1025.3 1.52 .27
 90.00 16 10 8 5437.61 28.17 250.31 32.66 86.96 17 30 46 4837.6 27.45 241.72
 100.00 10 2 9 1396.15 -3.51 349.36 25.08 119.70 10 25 25 796.2 .47 342.84
 100.00 17 31 48 5142.00 29.58 228.46 32.55 85.47 18 57 30 4542.0 28.64 219.78
 110.00 10 47 44 1253.30 -6.64 336.59 23.15 123.61 11 8 38 653.3 -2.18 330.35
 110.00 19 2 42 4857.61 33.23 206.37 32.06 81.48 20 23 40 4257.6 31.70 197.48

DIFFERENTIAL CORRECTIONS

TDE .7197 TRA-1.1337 TC3 .3978 BAU .1246
 RDE -.1954 RRA -.1472 RC3 .2611 FAU .03397
 FDE-1.1141 FRA 1.0506 FC3-1.5013 BSP 5840
 BDE .7457 BRA 1.1432 BC3 .4758 FSP -580

MID-COURSE EXECUTION ACCURACY

SGT 1834.2 SGR 396.7 SG3 209.6
 RRT .2113 RRF -.2368 RTF -.9013
 SGB 1876.6 R23 -.0383 R13 -.9018
 SG1 1836.2 SG2 387.4 THA 2.74

ORBIT DETERMINATION ACCURACY

ST 1040.0 SR 260.1 SS 1085.3
 CRT -.7685 CRS -.8657 CST .9852
 LSA 1512.9 MSA 194.8 SSA 16.4
 EL1 1059.5 EL2 163.3 ALF 168.85

LAUNCH DATE MAY 22 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 284.270

RL 151.43 LAL -0.00 LOL 240.24 VL 25.923 GAL 4.12 AZL 93.76 HCA 117.95 SMA 122.79 ECC .24347 INC 3.7611 V1 29.423
 RP 108.71 LAP -3.32 LOP 358.23 VP 36.890 GAP -12.49 AZP 88.24 TAL 166.95 TAP 284.90 RCA 92.90 APO 152.69 V2 34.860
 RC 46.700 GL -23.34 GP 4.67 ZAL 69.07 ZAP 9.70 ETS 329.90 ZAE 153.56 ETE 36.73 ZAC 94.19 ETC 14.48 CLP -8.40

PLANETOCENTRIC CONIC

C3 18.320 VHL 4.280 DLA -18.65 RAL 164.17 RAD 6567.7 VEL 11.820 PTH 2.09 VHP 7.914 DPA 11.61 RAP 173.96 ECC 1.3015
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 49 1570.85 -0.52 3.86 23.93 118.31 9 23 0 970.9 3.27 357.23
 90.00 15 45 20 5460.53 28.24 251.98 30.72 87.79 17 16 21 4860.5 27.63 243.37
 100.00 10 6 52 1344.81 -1.78 346.54 23.23 119.84 10 29 17 744.8 2.21 340.02
 100.00 17 17 59 5161.81 29.68 229.92 30.63 86.23 18 44 0 4561.8 28.84 221.22
 110.00 10 50 33 1207.94 -4.93 334.20 21.27 123.87 11 10 41 607.9 -1.45 327.98
 110.00 18 50 47 4871.44 33.36 207.43 30.19 82.09 20 11 58 4271.4 31.91 198.50

DIFFERENTIAL CORRECTIONS

TDE .7350 TRA-1.0993 TC3 .4738 BAU .1353
 RDE -.1711 RRA -.1407 RC3 .2837 FAU .03652
 FDE-1.2179 FRA 1.0831 FC3-1.7259 BSP 6016
 BDE .7547 BRA 1.1083 BC3 .5523 FSP -647

MID-COURSE EXECUTION ACCURACY

SGT 1882.8 SGR 388.6 SG3 231.6
 RRT .2487 RRF -.2782 RTF -.9077
 SGB 1922.5 R23 -.0445 R13 -.9082
 SG1 1885.4 SG2 375.8 THA 3.06

ORBIT DETERMINATION ACCURACY

ST 1088.7 SR 236.8 SS 1158.5
 CRT -.7660 CRS -.8617 CST .9858
 LSA 1596.1 MSA 188.9 SSA 16.1
 EL1 1104.0 EL2 150.1 ALF 170.36

LAUNCH DATE MAY 22 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 290.979

RL 151.43 LAL -0.00 LOL 240.24 VL 26.049 GAL 3.87 AZL 93.83 HCA 121.12 SMA 123.54 ECC .23518 INC 3.8303 V1 29.423
 RP 108.68 LAP -3.28 LOP 36.988 GAP -11.75 AZP 88.02 TAL 167.18 TAP 288.31 RCA 94.48 APO 152.59 V2 34.870
 RC 47.841 GL -24.73 GP 5.33 ZAL 69.92 ZAP 11.60 ETS 332.67 ZAE 152.03 ETE 34.67 ZAC 92.86 ETC 14.30 CLP -10.31

PLANETOCENTRIC CONIC

C3 17.223 VHL 4.150 DLA -19.65 RAL 162.96 RAD 6567.7 VEL 11.773 PTH 2.08 VHP 7.500 DPA 11.52 RAP 175.33 ECC 1.2834
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 51 1516.02 1.25 .80 22.15 118.29 9 28 7 916.0 5.02 354.15
 90.00 15 29 40 5486.64 28.29 253.89 28.81 88.75 17 1 7 4886.6 27.82 245.26
 100.00 10 11 48 1293.49 -0.04 343.73 21.44 119.89 10 33 21 693.5 3.94 337.20
 100.00 17 3 24 5184.40 29.77 231.60 28.75 87.11 18 29 49 4584.4 29.05 222.87
 110.00 10 53 23 1163.18 -3.22 331.86 19.45 124.05 11 12 46 563.2 1.27 325.65
 110.00 18 38 19 4887.47 33.51 208.66 28.36 82.81 19 59 46 4287.5 32.15 199.69

DIFFERENTIAL CORRECTIONS

TDE .7535 TRA-1.0616 TC3 .5574 BAU .1466
 RDE -.1463 RRA -.1353 RC3 .3079 FAU .03945
 FDE-1.3383 FRA 1.1160 FC3-1.9829 BSP 6228
 BDE .7676 BRA 1.0702 BC3 .6368 FSP -724

MID-COURSE EXECUTION ACCURACY

SGT 1928.3 SGR 381.4 SG3 256.3
 RRT .2949 RRF -.3289 RTF -.9143
 SGB 1965.6 R23 -.0516 R13 -.9149
 SG1 1931.7 SG2 363.8 THA 3.46

ORBIT DETERMINATION ACCURACY

ST 1140.4 SR 210.7 SS 1239.2
 CRT -.7584 CRS -.8527 CST .9868
 LSA 1687.2 MSA 182.5 SSA 15.8
 EL1 1151.7 EL2 136.0 ALF 171.91

LAUNCH DATE MAY 22 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 297.681

RL 151.43 LAL -0.00 LOL 240.24 VL 26.164 GAL 3.64 AZL 93.90 HCA 124.30 SMA 124.23 ECC .22753 INC 3.9042 V1 29.423
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.079 GAP -11.03 AZP 87.80 TAL 167.44 TAP 291.74 RCA 95.96 APO 152.50 V2 34.881
 RC 49.103 GL -26.14 GP 5.86 ZAL 70.80 ZAP 13.62 ETS 334.55 ZAE 150.65 ETE 33.13 ZAC 91.59 ETC 14.12 CLP -12.31

PLANETOCENTRIC CONIC

C3 16.281 VHL 4.035 DLA -20.66 RAL 161.70 RAD 6567.7 VEL 11.733 PTH 2.07 VHP 7.103 DPA 11.53 RAP 176.64 ECC 1.2680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 21 1460.51 3.04 357.70 20.45 118.17 9 33 41 860.5 6.78 351.02
 90.00 15 13 3 5516.33 28.32 256.06 26.94 89.84 16 45 0 4916.3 27.99 247.41
 100.00 10 17 3 1242.02 1.71 340.90 19.71 119.85 10 37 45 642.0 5.67 334.35
 100.00 16 48 2 5210.06 29.84 233.50 26.91 88.11 18 14 53 4610.1 29.26 224.74
 110.00 10 56 18 1118.99 -1.54 329.55 17.69 124.15 11 14 57 519.0 2.95 323.34
 110.00 18 25 17 4905.85 33.66 210.07 26.58 83.63 19 47 2 4305.8 32.41 201.06

DIFFERENTIAL CORRECTIONS

TDE .7704 TRA-1.0249 TC3 .6358 BAU .1563
 RDE -.1206 RRA -.1312 RC3 .3340 FAU .04265
 FDE-1.4749 FRA 1.1521 FC3-2.2678 BSP 6378
 BOE .7798 BRA 1.0332 BC3 .7182 FSP -809

MID-COURSE EXECUTION ACCURACY

SGT 1969.5 SGR 376.4 SG3 283.8
 RRT .3517 RRF -.3905 RTF -.9195
 SGB 2005.1 R23 -.0604 R13 -.9203
 SG1 1974.1 SG2 351.5 THA 3.97

ORBIT DETERMINATION ACCURACY

ST 1189.4 SR 181.6 SS 1325.3
 CRT -.7379 CRS -.8337 CST .9875
 LSA 1781.1 MSA 177.4 SSA 15.4
 EL1 1197.0 EL2 121.7 ALF 173.51

LAUNCH DATE MAY 22 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 304.373

RL 151.43 LAL -0.00 LOL 240.24 VL 26.269 GAL 3.42 AZL 93.98 HCA 127.48 SMA 124.88 ECC .22049 INC 3.9840 V1 29.423
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.163 GAP -10.34 AZP 87.57 TAL 167.72 TAP 295.19 RCA 97.34 APO 152.41 V2 34.891
 RC 50.476 GL -27.58 GP 6.48 ZAL 71.73 ZAP 15.76 ETS 335.85 ZAE 149.43 ETE 32.05 ZAC 90.38 ETC 13.95 CLP -14.40

PLANETOCENTRIC CONIC

C3 15.483 VHL 3.935 DLA -21.68 RAL 160.38 RAD 6567.6 VEL 11.699 PTH 2.06 VHP 6.723 DPA 11.65 RAP 177.91 ECC 1.2548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 32 1403.84 4.85 354.52 18.84 117.93 9 39 56 803.8 8.55 347.80
 90.00 14 55 22 5550.18 28.30 258.54 25.12 91.08 16 27 52 4950.2 28.15 249.88
 100.00 10 22 46 1190.09 3.46 338.05 18.07 119.71 10 42 36 590.1 7.39 331.46
 100.00 16 31 49 5239.17 29.88 235.66 25.12 89.25 17 59 8 4639.2 29.46 226.88
 110.00 10 59 24 1075.25 .14 327.27 16.00 124.18 11 17 19 475.3 4.62 321.05
 110.00 18 11 40 4926.77 33.80 211.69 24.87 84.58 19 33 47 4326.8 32.68 202.63

DIFFERENTIAL CORRECTIONS

TDE .7880 TRA -.9875 TC3 .7133 BAU .1656
 RDE -.0934 RRA -.1285 RC3 .3626 FAU .04625
 FDE-1.6324 FRA 1.1909 FC3-2.5863 BSP 6512
 BOE .7935 BRA .9958 BC3 .8002 FSP -905

MID-COURSE EXECUTION ACCURACY

SGT 2006.4 SGR 374.7 SG3 314.8
 RRT .4197 RRF -.4636 RTF -.9243
 SGB 2041.1 R23 -.0709 R13 -.9254
 SG1 2012.8 SG2 339.1 THA 4.61

ORBIT DETERMINATION ACCURACY

ST 1237.9 SR 149.1 SS 1418.9
 CRT -.6931 CRS -.7936 CST .9882
 LSA 1880.9 MSA 172.8 SSA 14.9
 EL1 1242.2 EL2 107.1 ALF 175.19

LAUNCH DATE MAY 22 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 311.055

RL 151.43 LAL -0.00 LOL 240.24 VL 26.365 GAL 3.22 AZL 94.07 HCA 130.66 SMA 125.47 ECC .21404 INC 4.0710 V1 29.423
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.242 GAP -9.67 AZP 87.34 TAL 168.01 TAP 298.67 RCA 98.62 APO 152.33 V2 34.903
 RC 51.950 GL -29.05 GP 7.20 ZAL 72.67 ZAP 18.05 ETS 336.71 ZAE 148.38 ETE 31.41 ZAC 89.26 ETC 13.77 CLP -16.59

PLANETOCENTRIC CONIC

C3 14.817 VHL 3.849 DLA -22.70 RAL 159.02 RAD 6567.6 VEL 11.671 PTH 2.05 VHP 6.360 DPA 11.90 RAP 179.12 ECC 1.2438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 42 1345.28 6.71 351.22 17.34 117.57 9 47 7 745.3 10.35 344.44
 90.00 14 36 22 5589.02 28.22 261.38 23.36 92.50 16 9 31 4989.0 28.26 252.71
 100.00 10 29 9 1137.25 5.24 385.13 16.54 119.47 10 48 6 537.3 9.13 328.50
 100.00 16 14 36 5272.27 29.89 238.12 23.41 90.54 17 42 28 4672.3 29.64 229.33
 110.00 11 2 47 1031.81 1.80 325.00 14.40 124.14 11 19 59 431.8 6.26 318.76
 110.00 17 57 27 4950.49 33.94 213.53 23.25 85.66 19 19 58 4350.5 32.97 204.42

DIFFERENTIAL CORRECTIONS

TDE .8053 TRA -.9490 TC3 .7847 BAU .1739
 RDE -.0640 RRA -.1272 RC3 .3942 FAU .05025
 FDE-1.8134 FRA 1.2318 FC3-2.9360 BSP 6624
 BOE .8079 BRA .9575 BC3 .8782 FSP -1012

MID-COURSE EXECUTION ACCURACY

SGT 2036.3 SGR 378.5 SG3 349.3
 RRT .4973 RRF -.5467 RTF -.9286
 SGB 2071.2 R23 -.0837 R13 -.9299
 SG1 2045.2 SG2 327.0 THA 5.42

ORBIT DETERMINATION ACCURACY

ST 1283.9 SR 113.8 SS 1519.6
 CRT -.5871 CRS -.6987 CST .9889
 LSA 1985.4 MSA 168.7 SSA 14.3
 EL1 1285.6 EL2 92.0 ALF 177.01

LAUNCH DATE MAY 22 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 317.723

RL 151.43 LAL -0.00 LOL 240.24 VL 26.453 GAL 3.03 AZL 94.17 HCA 133.84 SMA 126.02 ECC .20815 INC 4.1668 V1 29.423
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.314 GAP -9.01 AZP 87.11 TAL 168.31 TAP 302.15 RCA 99.79 APO 152.25 V2 34.914
 RC 53.515 GL -30.53 GP 8.04 ZAL 73.63 ZAP 20.49 ETS 337.25 ZAE 147.50 ETE 31.21 ZAC 88.22 ETC 13.59 CLP -18.91

PLANETOCENTRIC CONIC

C3 14.274 VHL 3.778 DLA -23.74 RAL 157.63 RAD 6567.6 VEL 11.647 PTH 2.04 VHP 6.016 DPA 12.32 RAP 180.28 ECC 1.2349
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 17 1283.59 8.64 347.72 15.98 117.07 9 55 40 683.6 12.20 340.85
 90.00 14 15 42 5634.16 28.04 264.67 21.65 94.14 15 49 36 5034.2 28.32 256.01
 100.00 10 36 29 1082.79 7.06 332.11 15.12 119.12 10 54 32 482.8 10.89 325.41
 100.00 15 56 11 5310.18 29.83 240.94 21.76 92.02 17 24 41 4710.2 29.79 232.14
 110.00 11 6 35 988.38 3.45 322.73 12.90 124.03 11 23 4 388.4 7.90 316.46
 110.00 17 42 33 4977.36 34.06 215.62 21.72 86.89 19 5 31 4377.4 33.25 206.47

DIFFERENTIAL CORRECTIONS

TDE .8254 TRA -.9071 TC3 .8554 BAU .1827
 RDE -.0313 RRA -.1274 RC3 .4301 FAU .05483
 FDE-2.0256 FRA 1.2720 FC3-3.3252 BSP 6773
 BOE .8260 BRA .9160 BC3 .9575 FSP -1138

MID-COURSE EXECUTION ACCURACY

SGT 2059.8 SGR 390.5 SG3 388.2
 RRT .5819 RRF -.6361 RTF -.9331
 SGB 2096.5 R23 -.0984 R13 -.9349
 SG1 2072.6 SG2 315.6 THA 6.44

ORBIT DETERMINATION ACCURACY

ST 1330.6 SR 79.7 SS 1630.5
 CRT -.2884 CRS -.4192 CST .9898
 LSA 2099.5 MSA 164.3 SSA 13.6
 EL1 1330.8 EL2 76.3 ALF 179.01

LAUNCH DATE MAY 22 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 324.378

RL 151.43 LAL -.00 LOL 240.24 VL 26.532 GAL 2.86 AZL 94.27 HCA 137.03 SMA 126.53 ECC .20278 INC 4.2734 V1 29.423
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.382 GAP -8.38 AZP 86.87 TAL 168.62 TAP 305.65 RCA 100.87 APO 152.19 V2 34.926
 RC 55.163 GL -32.04 GP 9.04 ZAL 74.59 ZAP 23.11 ETS 337.54 ZAE 146.78 ETE 31.47 ZAC 87.27 ETC 13.40 CLP -21.36

PLANETOCENTRIC CONIC

C3 13.851 VHL 3.722 DLA -24.81 RAL 156.22 RAD 6567.5 VEL 11.629 PTH 2.04 VHP 5.689 DPA 12.92 RAP 181.39 ECC 1.2280
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 46 0 1216.65 10.69 343.87 14.79 116.38 10 6 17 616.7 14.15 336.90
 90.00 13 52 43 5687.84 27.71 268.56 20.01 96.06 15 27 30 5087.8 28.26 259.94
 100.00 10 45 11 1025.56 8.94 328.90 13.86 118.64 11 2 17 425.6 12.70 322.13
 100.00 15 36 12 5354.16 29.68 244.20 20.20 93.73 17 5 26 4754.2 29.88 235.40
 110.00 11 11 1 944.55 5.12 320.43 11.53 123.84 11 26 46 344.6 9.53 314.12
 110.00 17 26 52 5007.94 34.15 218.00 20.30 88.30 18 50 20 4407.9 33.53 208.81

DIFFERENTIAL CORRECTIONS

TDE .8417 TRA -.8667 TC3 .9078 BAU .1894
 RDE .0059 RRA -.1296 RC3 .4710 FAU .05978
 FDE -2.2674 FRA 1.3160 FC3-3.7364 BSP 6840
 BDE .8418 BRA .8764 BC3 1.0228 FSP -1274

MID-COURSE EXECUTION ACCURACY

SGT 2072.9 SGR 414.0 SG3 431.2
 RRT .6666 RRF -.7250 RTF -.9362
 SGB 2113.8 R23 -.1169 R13 -.9387
 SG1 2091.6 SG2 305.8 THA 7.75

ORBIT DETERMINATION ACCURACY

ST 1369.0 SR 67.4 SS 1747.6
 CRT .4456 CRS .3209 CST .9904
 LSA 2215.1 MSA 161.5 SSA 12.8
 EL1 1369.3 EL2 60.3 ALF 1.26

LAUNCH DATE MAY 22 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 331.019

RL 151.43 LAL -.00 LOL 240.24 VL 26.604 GAL 2.70 AZL 94.39 HCA 140.21 SMA 126.99 ECC .19792 INC 4.3937 V1 29.423
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.444 GAP -7.77 AZP 86.62 TAL 168.93 TAP 309.14 RCA 101.86 APO 152.12 V2 34.938
 RC 56.885 GL -33.59 GP 10.22 ZAL 75.54 ZAP 25.93 ETS 337.62 ZAE 146.21 ETE 32.24 ZAC 86.42 ETC 13.21 CLP -23.96

PLANETOCENTRIC CONIC

C3 13.544 VHL 3.680 DLA -25.90 RAL 154.79 RAD 6567.5 VEL 11.616 PTH 2.04 VHP 5.382 DPA 13.75 RAP 182.44 ECC 1.2229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 1 14 1140.29 12.96 339.41 13.83 115.40 10 20 15 540.3 16.28 332.30
 90.00 13 26 6 5754.40 27.14 273.35 18.40 98.40 15 2 0 5154.4 28.02 264.79
 100.00 10 55 57 963.61 10.94 325.39 12.79 117.99 11 12 1 363.6 14.60 318.51
 100.00 15 14 4 5406.31 29.39 248.05 18.72 95.74 16 44 10 4806.3 29.87 239.28
 110.00 11 16 19 899.71 6.81 318.07 10.31 123.58 11 31 19 299.7 11.18 311.70
 110.00 17 10 11 5042.97 34.18 220.74 19.00 89.91 18 34 14 4443.0 33.79 211.51

DIFFERENTIAL CORRECTIONS

TDE .8572 TRA -.8254 TC3 .9458 BAU .1953
 RDE .0495 RRA -.1339 RC3 .5186 FAU .06523
 FDE -2.5474 FRA 1.3605 FC3-4.1697 BSP 6885
 BDE .8586 BRA .8362 BC3 1.0787 FSP -1425

MID-COURSE EXECUTION ACCURACY

SGT 2075.2 SGR 453.2 SG3 478.7
 RRT .7440 RRF -.8057 RTF -.9388
 SGB 2124.1 R23 -.1383 R13 -.9423
 SG1 2103.0 SG2 298.8 THA 9.42

ORBIT DETERMINATION ACCURACY

ST 1401.8 SR 104.4 SS 1873.6
 CRT .9077 CRS .8455 CST .9909
 LSA 2336.9 MSA 159.1 SSA 11.9
 EL1 1405.0 EL2 43.7 ALF 3.87

LAUNCH DATE MAY 22 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 337.644

RL 151.43 LAL -.00 LOL 240.24 VL 26.668 GAL 2.56 AZL 94.53 HCA 143.40 SMA 127.41 ECC .19353 INC 4.5313 V1 29.423
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.502 GAP -7.17 AZP 86.36 TAL 169.23 TAP 312.63 RCA 102.75 APO 152.07 V2 34.951
 RC 58.673 GL -35.17 GP 11.64 ZAL 76.46 ZAP 28.98 ETS 337.52 ZAE 145.75 ETE 33.57 ZAC 85.68 ETC 13.01 CLP -26.72

PLANETOCENTRIC CONIC

C3 13.355 VHL 3.654 DLA -27.04 RAL 153.36 RAD 6567.5 VEL 11.608 PTH 2.03 VHP 5.095 DPA 14.86 RAP 183.44 ECC 1.2198
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 20 1044.01 15.70 333.66 13.22 113.87 10 40 44 444.0 18.79 326.35
 90.00 12 52 32 5844.55 26.08 279.73 16.75 101.43 14 29 57 5244.6 27.40 271.31
 100.00 11 10 0 893.28 13.15 321.34 11.97 117.09 11 24 53 293.3 16.68 314.33
 100.00 14 48 34 5470.52 28.86 252.75 17.29 98.16 16 19 44 4870.5 29.68 244.04
 110.00 11 22 51 852.92 8.57 315.58 9.26 123.22 11 37 4 252.9 12.88 309.14
 110.00 16 52 12 5083.64 34.14 223.91 17.83 91.79 18 16 56 4483.6 34.01 214.67

DIFFERENTIAL CORRECTIONS

TDE .8703 TRA -.7842 TC3 .9633 BAU .2002
 RDE .1018 RRA -.1407 RC3 .5744 FAU .07110
 FDE -2.8695 FRA 1.4057 FC3-4.6094 BSP 6887
 BDE .8762 BRA .7967 BC3 1.1216 FSP -1590

MID-COURSE EXECUTION ACCURACY

SGT 2064.7 SGR 512.9 SG3 530.6
 RRT .8077 RRF -.8716 RTF -.9406
 SGB 2127.4 R23 -.1626 R13 -.9457
 SG1 2106.7 SG2 296.4 THA 11.58

ORBIT DETERMINATION ACCURACY

ST 1426.1 SR 176.5 SS 2007.8
 CRT .9885 CRS .9621 CST .9914
 LSA 2464.0 MSA 157.5 SSA 11.0
 EL1 1436.7 EL2 26.5 ALF 6.98

LAUNCH DATE MAY 22 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 344.252

RL 151.43 LAL -.00 LOL 240.24 VL 26.727 GAL 2.43 AZL 94.69 HCA 146.59 SMA 127.79 ECC .18960 INC 4.6914 V1 29.423
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.555 GAP -6.60 AZP 86.08 TAL 169.52 TAP 316.11 RCA 103.56 APO 152.02 V2 34.964
 RC 60.521 GL -36.80 GP 13.36 ZAL 77.36 ZAP 32.29 ETS 337.27 ZAE 145.34 ETE 35.56 ZAC 85.05 ETC 12.81 CLP -29.68

PLANETOCENTRIC CONIC

C3 13.290 VHL 3.646 DLA -28.24 RAL 151.91 RAD 6567.5 VEL 11.605 PTH 2.03 VHP 4.831 DPA 16.32 RAP 184.41 ECC 1.2187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 13 18 860.38 20.39 322.24 13.56 110.08 11 27 39 260.4 22.95 314.49
 90.00 11 51 1 738.04 23.04 314.25 14.51 106.93 12 3 19 138.0 25.14 306.21
 100.00 11 30 6 806.02 15.80 316.21 11.52 115.71 11 43 32 206.0 19.13 309.00
 100.00 14 16 55 5555.67 27.88 258.89 15.85 101.25 15 49 31 4955.7 29.15 250.32
 110.00 11 31 9 802.70 10.43 312.88 8.43 122.74 11 44 32 202.7 14.67 306.35
 110.00 16 32 21 5131.76 33.98 227.66 16.81 94.01 17 57 53 4531.8 34.16 218.42

DIFFERENTIAL CORRECTIONS

TDE .8836 TRA -.7395 TC3 .9671 BAU .2062
 RDE .1667 RRA -.1500 RC3 .6412 FAU .07758
 FDE -3.2446 FRA 1.4424 FC3-5.0534 BSP 6924
 BDE .8992 BRA .7545 BC3 1.1604 FSP -1779

MID-COURSE EXECUTION ACCURACY

SGT 2041.0 SGR 599.0 SG3 587.3
 RRT .8560 RRF -.9204 RTF -.9424
 SGB 2127.1 R23 -.1853 R13 -.9498
 SG1 2105.8 SG2 300.2 THA 14.40

ORBIT DETERMINATION ACCURACY

ST 1444.1 SR 274.4 SS 2153.1
 CRT .9991 CRS .9888 CST .9919
 LSA 2602.4 MSA 155.5 SSA 10.1
 EL1 1469.9 EL2 11.2 ALF 10.75

LAUNCH DATE MAY 22 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC
 RL 151.43 LAL -.00 LOL 240.24 VL 26.778 GAL 2.31 AZL 94.88 HCA 149.79 SMA 128.13 ECC .18609 INC 4.8812 V1 29.423
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.604 GAP -6.03 AZP 85.78 TAL 169.79 TAP 319.58 RCA 104.29 APO 151.98 V2 34.977
 RC 62.420 GL -38.52 GP 15.46 ZAL 78.22 ZAP 35.92 ETS 336.88 ZAE 144.87 ETE 38.32 ZAC 84.53 ETC 12.60 CLP -32.83

PLANETOCENTRIC CONIC
 C3 13.366 VHL 3.656 DLA -29.52 RAL 150.45 RAD 6567.5 VEL 11.608 PTH 2.03 VHP 4.592 DPA 18.20 RAP 185.39 ECC 1.2200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.30 10 14 58 1030.91 22.62 335.62 13.02 109.48 10 32 9 430.9 25.07 327.70
 98.70 12 37 42 5858.01 22.64 279.67 13.03 109.46 14 15 20 5258.0 25.08 271.76
 100.00 12 7 50 665.55 19.74 307.65 11.83 112.91 12 18 56 65.6 22.68 300.08
 100.00 13 27 31 5698.60 25.58 268.88 14.06 106.02 15 2 29 5098.6 27.53 260.62
 110.00 11 42 10 746.48 12.48 309.82 7.90 122.08 11 54 36 146.5 16.63 303.17
 110.00 16 9 41 5190.44 33.60 232.20 15.91 96.67 17 36 11 4590.4 34.16 223.00

DIFFERENTIAL CORRECTIONS
 TOE .8902 TRA -.6970 TC3 .9360 BAU .2109 SGT 1997.6 SGR 716.7 SG3 645.9 ST 1445.2 SR 399.7 SS 2301.7
 RDE .2486 RRA -.1627 RC3 .7185 FAU .08397 RRT .8877 RRF -.9531 RTF -.9424 CRT .9988 CRS .9963 CST .9921
 FDE-3.6655 FRA 1.4764 FC3-5.4392 BSP 6889 SGB 2122.2 R23 -.2067 R13 -.9537 LSA 2742.6 MSA 155.0 SSA 9.1
 BDE .9242 BRA .7157 BC3 1.1800 FSP -1970 SG1 2098.9 SG2 314.0 THA 18.08 EL1 1499.3 EL2 18.8 ALF 15.44

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 22 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC
 RL 151.43 LAL -.00 LOL 240.24 VL 26.824 GAL 2.21 AZL 95.11 HCA 152.98 SMA 128.44 ECC .18298 INC 5.1114 V1 29.423
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.649 GAP -5.49 AZP 85.44 TAL 170.04 TAP 323.02 RCA 104.94 APO 151.94 V2 34.990
 RC 64.367 GL -40.34 GP 18.05 ZAL 79.05 ZAP 39.91 ETS 336.39 ZAE 144.22 ETE 41.94 ZAC 84.11 ETC 12.40 CLP -36.21

PLANETOCENTRIC CONIC
 C3 13.610 VHL 3.689 DLA -30.91 RAL 148.96 RAD 6567.5 VEL 11.619 PTH 2.04 VHP 4.385 DPA 20.62 RAP 186.41 ECC 1.2240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.05 9 37 10 1136.29 23.55 343.84 12.21 110.62 9 56 6 536.3 26.15 335.92
 102.95 13 3 37 5760.51 23.57 272.77 12.22 110.60 14 39 37 5160.5 26.16 264.84
 77.05 9 37 10 1136.29 23.55 343.84 12.21 110.62 9 56 6 536.3 26.15 335.92
 102.95 13 3 37 5760.51 23.57 272.77 12.22 110.60 14 39 37 5160.5 26.16 264.84
 110.00 11 57 38 679.26 14.88 306.09 7.76 121.13 12 8 57 79.3 18.90 299.27
 110.00 15 42 19 5265.54 32.86 237.94 15.10 99.99 17 10 5 4665.5 33.89 228.85

DIFFERENTIAL CORRECTIONS
 TOE .8931 TRA -.6534 TC3 .8763 BAU .2169 SGT 1934.2 SGR 874.4 SG3 704.9 ST 1431.9 SR 560.3 SS 2455.5
 RDE .3551 RRA -.1788 RC3 .8081 FAU .09016 RRT .9067 RRF -.9735 RTF -.9413 CRT .9969 CRS .9987 CST .9922
 FDE-4.1397 FRA 1.4938 FC3-5.7349 BSP 6869 SGB 2122.7 R23 -.2195 R13 -.9586 LSA 2893.1 MSA 154.8 SSA 8.0
 BDE .9611 BRA .6774 BC3 1.1921 FSP -2166 SG1 2095.2 SG2 340.4 THA 22.93 EL1 1537.1 EL2 40.8 ALF 21.33

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 22 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC
 RL 151.43 LAL -.00 LOL 240.24 VL 26.865 GAL 2.12 AZL 95.40 HCA 156.18 SMA 128.71 ECC .18025 INC 5.3985 V1 29.423
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.690 GAP -4.95 AZP 85.06 TAL 170.26 TAP 326.44 RCA 105.51 APO 151.91 V2 35.003
 RC 66.356 GL -42.32 GP 21.30 ZAL 79.84 ZAP 44.32 ETS 335.81 ZAE 143.14 ETE 46.51 ZAC 83.76 ETC 12.20 CLP -39.83

PLANETOCENTRIC CONIC
 C3 14.073 VHL 3.751 DLA -32.47 RAL 147.41 RAD 6567.6 VEL 11.639 PTH 2.04 VHP 4.216 DPA 23.71 RAP 187.57 ECC 1.2316
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.41 9 5 59 1221.99 24.50 350.74 11.65 112.00 9 26 21 622.0 27.26 342.81
 106.59 13 22 27 5689.48 24.51 267.79 11.66 111.99 14 57 16 5089.5 27.27 259.86
 73.41 9 5 59 1221.99 24.50 350.74 11.65 112.00 9 26 21 622.0 27.26 342.81
 106.59 13 22 27 5689.48 24.51 267.79 11.66 111.99 14 57 16 5089.5 27.27 259.86
 110.00 12 22 6 5875.97 18.02 278.78 8.30 119.55 14 0 2 5276.0 21.82 271.71
 110.00 15 5 30 5371.54 31.33 245.82 14.20 104.42 16 35 2 4771.5 33.00 236.99

DIFFERENTIAL CORRECTIONS
 TOE .8928 TRA -.6077 TC3 .7952 BAU .2275 SGT 1850.9 SGR 1083.2 SG3 760.1 ST 1403.1 SR 767.9 SS 2610.0
 RDE .4976 RRA -.1981 RC3 .9108 FAU .09575 RRT .9171 RRF -.9856 RTF -.9392 CRT .9952 CRS .9996 CST .9922
 FDE-4.6609 FRA 1.4809 FC3-5.8906 BSP 6938 SGB 2144.5 R23 -.2162 R13 -.9657 LSA 3057.2 MSA 154.4 SSA 7.0
 BDE 1.0221 BRA .6392 BC3 1.2091 FSP -2358 SG1 2110.8 SG2 378.6 THA 29.26 EL1 1598.1 EL2 65.9 ALF 28.63

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 22 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC
 RL 151.43 LAL -.00 LOL 240.24 VL 26.900 GAL 2.05 AZL 95.77 HCA 159.38 SMA 128.95 ECC .17788 INC 5.7689 V1 29.423
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.727 GAP -4.43 AZP 84.60 TAL 170.44 TAP 329.82 RCA 106.01 APO 151.88 V2 35.016
 RC 68.382 GL -44.53 GP 25.40 ZAL 80.61 ZAP 49.22 ETS 335.18 ZAE 141.32 ETE 51.96 ZAC 83.45 ETC 12.02 CLP -43.70

PLANETOCENTRIC CONIC
 C3 14.848 VHL 3.853 DLA -34.24 RAL 145.76 RAD 6567.6 VEL 11.672 PTH 2.05 VHP 4.100 DPA 27.65 RAP 189.02 ECC 1.2444
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.90 8 37 21 1301.69 25.44 357.34 11.41 113.73 8 59 3 701.7 28.42 349.43
 110.10 13 37 54 5633.56 25.45 263.90 11.41 113.72 15 11 47 5033.6 28.43 255.99
 69.90 8 37 21 1301.69 25.44 357.34 11.41 113.73 8 59 3 701.7 28.42 349.43
 110.10 13 37 54 5633.56 25.45 263.90 11.41 113.72 15 11 47 5033.6 28.43 255.99
 69.90 8 37 21 1301.69 25.44 357.34 11.41 113.73 8 59 3 701.7 28.42 349.43
 110.10 13 37 54 5633.56 25.45 263.90 11.41 113.72 15 11 47 5033.6 28.43 255.99

DIFFERENTIAL CORRECTIONS
 TOE .8859 TRA -.5645 TC3 .6769 BAU .2425 SGT 1743.1 SGR 1353.9 SG3 802.0 ST 1352.2 SR 1037.2 SS 2752.0
 RDE .6927 RRA -.2211 RC3 1.0167 FAU .09903 RRT .9193 RRF -.9923 RTF -.9343 CRT .9937 CRS .9999 CST .9919
 FDE-5.1985 FRA 1.4312 FC3-5.7738 BSP 7077 SGB 2207.1 R23 -.1962 R13 -.9744 LSA 3233.2 MSA 155.1 SSA 6.0
 BDE 1.1246 BRA .6062 BC3 1.2214 FSP -2500 SG1 2165.0 SG2 429.1 THA 37.24 EL1 1701.6 EL2 92.5 ALF 37.44

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 22 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 377.025

RL 151.43 LAL -.00 LOL 240.24 VL 26.931 GAL 1.99 AZL 96.27 HCA 162.58 SMA 129.15 ECC .17584 INC 6.2692 V1 29.423
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.762 GAP -3.92 AZP 84.02 TAL 170.59 TAP 333.17 RCA 106.44 APO 151.86 V2 35.029
 RC 70.443 GL -47.06 GP 30.68 ZAL 81.38 ZAP 54.71 ETS 334.55 ZAE 138.29 ETE 58.08 ZAC 83.07 ETC 11.84 CLP -47.79

PLANETOCENTRIC CONIC

C3 16.115 VHL 4.014 DLA -36.31 RAL 143.92 RAD 6567.6 VEL 11.726 PTH 2.07 VHP 4.062 DPA 32.67 RAP 191.08 ECC 1.2652
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.25 8 9 17 1382.50 26.33 4.20 11.57 115.96 8 32 19 782.5 29.60 356.34
 113.75 13 51 18 5589.67 26.35 260.89 11.58 115.95 15 24 27 4989.7 29.61 253.03
 66.25 8 9 17 1382.50 26.33 4.20 11.57 115.96 8 32 19 782.5 29.60 356.34
 113.75 13 51 18 5589.67 26.35 260.89 11.58 115.95 15 24 27 4989.7 29.61 253.03
 66.25 8 9 17 1382.50 26.33 4.20 11.57 115.96 8 32 19 782.5 29.60 356.34
 113.75 13 51 18 5589.67 26.35 260.89 11.58 115.95 15 24 27 4989.7 29.61 253.03

DIFFERENTIAL CORRECTIONS

TDE .8771 TRA -.5214 TC3 .5383 BAU .2669
 RDE .9697 RRA -.2441 RC3 1.1159 FAU .09882
 FDE -5.7067 FRA 1.3100 FC3 -5.3089 BSP 7499
 BDE 1.3075 BRA .5757 BC3 1.2390 FSP -2575

MID-COURSE EXECUTION ACCURACY

SGT 1614.5 SGR 1704.5 SG3 819.2
 RRT .9154 RRF -.9960 RTF -.9264
 SGB 2347.8 R23 -.1574 R13 -.9841
 SG1 2297.7 SG2 482.1 THA 46.70

ORBIT DETERMINATION ACCURACY

ST 1282.2 SR 1390.4 SS 2868.9
 CRT .9922 CRS 1.0000 CST .9912
 LSA 3432.7 MSA 156.0 SSA 5.1
 EL1 1887.7 EL2 117.4 ALF 47.34

LAUNCH DATE MAY 22 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 383.521

RL 151.43 LAL -.00 LOL 240.24 VL 26.957 GAL 1.95 AZL 96.99 HCA 165.78 SMA 129.33 ECC .17412 INC 6.9869 V1 29.423
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.792 GAP -3.43 AZP 83.23 TAL 170.70 TAP 336.48 RCA 106.81 APO 151.85 V2 35.042
 RC 72.534 GL -50.08 GP 37.52 ZAL 82.18 ZAP 60.83 ETS 334.03 ZAE 133.47 ETE 64.40 ZAC 82.49 ETC 11.60 CLP -52.09

PLANETOCENTRIC CONIC

C3 18.259 VHL 4.273 DLA -38.81 RAL 141.75 RAD 6567.7 VEL 11.817 PTH 2.09 VHP 4.152 DPA 39.05 RAP 194.34 ECC 1.3005
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.27 7 40 19 1470.58 27.06 11.82 12.29 118.95 8 4 50 870.6 30.70 4.09
 117.73 14 2 55 5559.24 27.08 258.83 12.30 118.94 15 35 34 4959.2 30.71 251.10
 62.27 7 40 19 1470.58 27.06 11.82 12.29 118.95 8 4 50 870.6 30.70 4.09
 117.73 14 2 55 5559.24 27.08 258.83 12.30 118.94 15 35 34 4959.2 30.71 251.10
 62.27 7 40 19 1470.58 27.06 11.82 12.29 118.95 8 4 50 870.6 30.70 4.09
 117.73 14 2 55 5559.24 27.08 258.83 12.30 118.94 15 35 34 4959.2 30.71 251.10

DIFFERENTIAL CORRECTIONS

TDE .8740 TRA -.4791 TC3 .3885 BAU .3029
 RDE 1.3786 RRA -.2587 RC3 1.1783 FAU .09263
 FDE -6.0785 FRA 1.0841 FC3 -4.3918 BSP 8358
 BDE 1.6323 BRA .5445 BC3 1.2407 FSP -2516

MID-COURSE EXECUTION ACCURACY

SGT 1470.8 SGR 2151.5 SG3 791.8
 RRT .9062 RRF -.9978 RTF -.9151
 SGB 2606.2 R23 -.1081 R13 -.9923
 SG1 2552.9 SG2 524.2 THA 56.63

ORBIT DETERMINATION ACCURACY

ST 1197.8 SR 1853.5 SS 2931.1
 CRT .9908 CRS 1.0000 CST .9903
 LSA 3665.7 MSA 156.6 SSA 4.2
 EL1 2202.6 EL2 136.8 ALF 57.23

LAUNCH DATE MAY 22 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 389.993

RL 151.43 LAL -.00 LOL 240.24 VL 26.979 GAL 1.91 AZL 98.11 HCA 168.98 SMA 129.48 ECC .17270 INC 8.1118 V1 29.423
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.820 GAP -2.95 AZP 82.04 TAL 170.76 TAP 339.75 RCA 107.12 APO 151.84 V2 35.056
 RC 74.652 GL -53.79 GP 46.48 ZAL 83.10 ZAP 67.63 ETS 333.72 ZAE 126.15 ETE 70.25 ZAC 81.46 ETC 11.11 CLP -56.44

PLANETOCENTRIC CONIC

C3 22.235 VHL 4.715 DLA -41.88 RAL 138.98 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 4.487 DPA 46.99 RAP 200.15 ECC 1.3659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.75 7 8 50 1574.89 27.27 20.84 13.86 123.10 7 35 5 974.9 31.42 13.40
 122.25 14 12 18 5548.82 27.29 258.09 13.87 123.09 15 44 47 4948.8 31.44 250.65
 57.75 7 8 50 1574.89 27.27 20.84 13.86 123.10 7 35 5 974.9 31.42 13.40
 122.25 14 12 18 5548.82 27.29 258.09 13.87 123.09 15 44 47 4948.8 31.44 250.65
 57.75 7 8 50 1574.89 27.27 20.84 13.86 123.10 7 35 5 974.9 31.42 13.40
 122.25 14 12 18 5548.82 27.29 258.09 13.87 123.09 15 44 47 4948.8 31.44 250.65

DIFFERENTIAL CORRECTIONS

TDE .9003 TRA -.4411 TC3 .2466 BAU .3487
 RDE 2.0120 RRA -.2434 RC3 1.1467 FAU .07757
 FDE -6.1158 FRA .7331 FC3 -3.0201 BSP 9864
 BDE 2.2042 BRA .5038 BC3 1.1729 FSP -2253

MID-COURSE EXECUTION ACCURACY

SGT 1330.0 SGR 2702.6 SG3 695.3
 RRT .8935 RRF -.9988 RTF -.9018
 SGB 3012.1 R23 -.0630 R13 -.9970
 SG1 2962.4 SG2 544.8 THA 65.38

ORBIT DETERMINATION ACCURACY

ST 1115.0 SR 2447.8 SS 2884.6
 CRT .9893 CRS 1.0000 CST .9893
 LSA 3941.0 MSA 156.4 SSA 3.4
 EL1 2685.7 EL2 148.2 ALF 65.66

LAUNCH DATE MAY 22 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 396.445

RL 151.43 LAL -.00 LOL 240.24 VL 26.996 GAL 1.90 AZL 100.14 HCA 172.18 SMA 129.60 ECC .17156 INC 10.1437 V1 29.423
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.845 GAP -2.48 AZP 79.95 TAL 170.77 TAP 342.94 RCA 107.37 APO 151.84 V2 35.069
 RC 76.795 GL -58.47 GP 58.20 ZAL 84.23 ZAP 74.90 ETS 333.48 ZAE 115.60 ETE 74.60 ZAC 79.64 ETC 9.62 CLP -60.36

PLANETOCENTRIC CONIC

C3 31.081 VHL 5.575 DLA -45.67 RAL 135.15 RAD 6568.2 VEL 12.347 PTH 2.23 VHP 5.381 DPA 56.18 RAP 211.98 ECC 1.5115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.54 6 32 55 1712.71 25.95 32.16 16.75 129.00 7 1 27 1112.7 30.80 25.35
 127.46 14 17 41 5576.73 25.96 259.52 16.76 129.00 15 50 37 4976.7 30.81 252.70
 52.54 6 32 55 1712.71 25.95 32.16 16.75 129.00 7 1 27 1112.7 30.80 25.35
 127.46 14 17 41 5576.73 25.96 259.52 16.76 129.00 15 50 37 4976.7 30.81 252.70
 52.54 6 32 55 1712.71 25.95 32.16 16.75 129.00 7 1 27 1112.7 30.80 25.35
 127.46 14 17 41 5576.73 25.96 259.52 16.76 129.00 15 50 37 4976.7 30.81 252.70

DIFFERENTIAL CORRECTIONS

TDE .9881 TRA -.4696 TC3 .0669 BAU .3487
 RDE 3.0058 RRA -.2158 RC3 .8364 FAU .04614
 FDE -5.4141 FRA .4229 FC3 -1.2851 BSP 10170
 BDE 3.1641 BRA .5168 BC3 .8391 FSP -1458

MID-COURSE EXECUTION ACCURACY

SGT 1230.4 SGR 3242.5 SG3 499.3
 RRT .8587 RRF -.9991 RTF -.8701
 SGB 3468.1 R23 -.0353 R13 -.9988
 SG1 3416.0 SG2 598.5 THA 71.36

ORBIT DETERMINATION ACCURACY

ST 1036.5 SR 3090.8 SS 2588.3
 CRT .9855 CRS 1.0000 CST .9859
 LSA 4159.1 MSA 169.5 SSA 2.5
 EL1 3255.6 EL2 167.1 ALF 71.66

LAUNCH DATE MAY 22 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 402.844

RL 151.43 LAL -0.00 LOL 240.24 VL 27.011 GAL 1.90 AZL 104.94 HCA 175.35 SMA 129.70 ECC .17071 INC14.9423 V1 29.423
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.867 GAP -2.02 AZP 75.10 TAL 170.71 TAP 346.06 RCA 107.56 APO 151.84 V2 35.082
 RC 78.958 GL -64.07 GP 73.60 ZAL 85.85 ZAP 82.07 ETS 329.51 ZAE 100.86 ETE 72.96 ZAC 76.49 ETC 2.27 CLP -60.75

PLANETOCENTRIC CONIC

C3 59.911 VHL 7.740 DLA -49.90 RAL 129.57 RAD 6569.1 VEL 13.464 PTH 2.46 VHP 8.013 DPA 63.93 RAP 239.12 ECC 1.9860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.03 5 51 36 1924.24 19.97 46.61 21.73 136.74 6 23 41 1324.2 25.69 40.96
 132.97 14 14 30 5693.86 19.99 264.81 21.75 136.73 15 49 24 5093.9 25.71 259.15
 47.03 5 51 36 1924.24 19.97 46.61 21.73 136.74 6 23 41 1324.2 25.69 40.96
 132.97 14 14 30 5693.86 19.99 264.81 21.75 136.73 15 49 24 5093.9 25.71 259.15
 47.03 5 51 36 1924.24 19.97 46.61 21.73 136.74 6 23 41 1324.2 25.69 40.96
 132.97 14 14 30 5693.86 19.99 264.81 21.75 136.73 15 49 24 5093.9 25.71 259.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 2.0046 TRA -5.088 TC3 .0334 BAU .2797 SGT 1595.8 SGR 3693.9 SG3 265.0 ST 1494.2 SR 3652.7 SS 2109.8
 RDE 4.9343 RRA .1053 RC3 .3476 FAU .01539 RRT .9122 RRF -.9987 RTF -.9294 CRT .9919 CRS .9999 CST .9932
 FDE 4.1168 FRA .0127 FC3 -.2224 BSP 12237 SGB 4023.9 R23 -.0169 R13 -.9996 LSA 4471.6 MSA 176.7 SSA 1.4
 BOE 5.3259 BRA .5196 BC3 .3492 FSP -788 SG1 3977.8 SG2 607.4 THA 67.95 EL1 3942.6 EL2 176.3 ALF 67.87

LAUNCH DATE MAY 22 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 409.040

RL 151.43 LAL -0.00 LOL 240.24 VL 27.021 GAL 1.95 AZL 128.47 HCA 178.36 SMA 129.77 ECC .17021 INC38.4671 V1 29.423
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.887 GAP -1.62 AZP 51.54 TAL 170.43 TAP 348.80 RCA 107.68 APO 151.86 V2 35.094
 RC 81.139 GL -63.72 GP 79.02 ZAL 88.21 ZAP 87.82 ETS 184.53 ZAE 75.30 ETE 288.56 ZAC 69.21 ETC 208.42 CLP 78.47

PLANETOCENTRIC CONIC

C3 351.065 VHL 18.737 DLA -48.26 RAL 126.81 RAD 6571.9 VEL 21.734 PTH 3.22 VHP 22.248 DPA 56.44 RAP 290.82 ECC 6.7776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.14 5 47 36 2226.79 3.56 58.23 33.61 138.16 6 24 43 1626.8 9.50 53.25
 130.86 13 56 28 742.21 3.58 301.90 33.63 138.16 14 8 50 142.2 9.51 296.92
 49.14 5 47 36 2226.79 3.56 58.23 33.61 138.16 6 24 43 1626.8 9.50 53.25
 130.86 13 56 28 742.21 3.58 301.90 33.63 138.16 14 8 50 142.2 9.51 296.92
 49.14 5 47 36 2226.79 3.56 58.23 33.61 138.16 6 24 43 1626.8 9.50 53.25
 130.86 13 56 28 742.21 3.58 301.90 33.63 138.16 14 8 50 142.2 9.51 296.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 6.7340 TRA 1.4072 TC3 -.0945 BAU 1.1147 SGT 2187.1 SGR 3654.3 SG3 87.6 ST 2068.3 SR 3562.0 SS 1906.5
 RD-11.6481 RRA -.0134 RC3 .2179 FAU -.02254 RRT -.9544 RRF .9995 RTF -.9625 CRT -.9956 CRS -1.0000 CST .9964
 FDE-3.2433 FRA -.0610 FC3 .0556 BSP 12491 SGB 4258.8 R23 -.0494 R13 .9987 LSA 4535.7 MSA 169.1 SSA 1.0
 BDE13.4546 BRA 1.4073 BC3 .2375 FSP -253 SG1 4221.1 SG2 565.4 THA 120.34 EL1 4115.6 EL2 166.9 ALF 120.09

LAUNCH DATE MAY 22 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 416.044

RL 151.43 LAL -0.00 LOL 240.24 VL 27.029 GAL 1.86 AZL 66.64 HCA 182.11 SMA 129.82 ECC .16945 INC23.3561 V1 29.423
 RP 107.94 LAP -.83 LOP 62.17 VP 37.904 GAP -1.02 AZP 113.34 TAL 170.83 TAP 352.94 RCA 107.83 APO 151.82 V2 35.107
 RC 83.336 GL 66.53 GP -85.59 ZAL 87.34 ZAP 88.47 ETS 109.78 ZAE 90.72 ETE 8.38 ZAC 101.17 ETC 85.75 CLP 69.74

PLANETOCENTRIC CONIC

C3 136.338 VHL 11.676 DLA 64.64 RAL 211.17 RAD 6570.5 VEL 16.052 PTH 2.83 VHP 17.039 DPA -69.04 RAP 90.98 ECC 3.2438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.11 22 26 38 4846.23 -12.86 238.20 114.97 26.06 23 47 24 4246.2 -20.02 234.89
 150.89 8 30 28 3132.57 -12.85 94.96 114.95 26.06 9 22 40 2532.6 -20.01 91.64
 29.11 22 26 38 4846.23 -12.86 238.20 114.97 26.06 23 47 24 4246.2 -20.02 234.89
 150.89 8 30 28 3132.57 -12.85 94.96 114.95 26.06 9 22 40 2532.6 -20.01 91.64
 29.11 22 26 38 4846.23 -12.86 238.20 114.97 26.06 23 47 24 4246.2 -20.02 234.89
 150.89 8 30 28 3132.57 -12.85 94.96 114.95 26.06 9 22 40 2532.6 -20.01 91.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3182 TRA-3.7261 TC3 -.0426 BAU .0823 SGT 4273.0 SGR 1350.2 SG3 103.6 ST 1290.2 SR 684.7 SS 530.2
 RDE 1.1796 RRA-1.0643 RC3 -.0150 FAU-.00127 RRT .8872 RRF -.9095 RTF -.9987 CRT .4280 CRS .5746 CST .9856
 FDE -.0355 FRA 1.0466 FC3 .0081 BSP 13724 SGB 4481.3 R23 -.0124 R13 -.9999 LSA 1433.5 MSA 599.8 SSA .4
 BDE 1.2218 BRA 3.8751 BC3 .0451 FSP -329 SG1 4441.0 SG2 599.5 THA 15.96 EL1 1332.0 EL2 599.4 ALF 16.16

LAUNCH DATE MAY 22 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 422.277

RL 151.43 LAL -0.00 LOL 240.24 VL 27.034 GAL 1.92 AZL 82.81 HCA 185.19 SMA 129.86 ECC .16937 INC 7.1863 V1 29.423
 RP 107.91 LAP -.65 LOP 65.39 VP 37.919 GAP -.62 AZP 97.16 TAL 170.53 TAP 355.72 RCA 107.86 APO 151.85 V2 35.119
 RC 85.546 GL 51.63 GP -72.53 ZAL 82.40 ZAP 88.46 ETS 5.86 ZAE 111.62 ETE 265.84 ZAC 108.02 ETC 351.04 CLP -84.88

PLANETOCENTRIC CONIC

C3 18.586 VHL 4.311 DLA 52.51 RAL 193.40 RAD 6567.8 VEL 11.831 PTH 2.10 VHP 7.237 DPA -34.31 RAP 125.33 ECC 1.3059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 43.74 21 54 8 4301.63 -34.99 204.59 70.93 47.99 23 5 50 3701.6 -40.11 197.24
 136.26 6 41 12 2736.51 -34.98 79.98 70.92 47.98 7 26 48 2136.5 -40.10 72.63
 43.74 21 54 8 4301.63 -34.99 204.59 70.93 47.99 23 5 50 3701.6 -40.11 197.24
 136.26 6 41 12 2736.51 -34.98 79.98 70.92 47.98 7 26 48 2136.5 -40.10 72.63
 43.74 21 54 8 4301.63 -34.99 204.59 70.93 47.99 23 5 50 3701.6 -40.11 197.24
 136.26 6 41 12 2736.51 -34.98 79.98 70.92 47.98 7 26 48 2136.5 -40.10 72.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .5097 TRA .3222 TC3 -.5499 BAU .5018 SGT 1085.7 SGR 4266.2 SG3 307.5 ST 709.7 SR 1354.5 SS 687.9
 RDE .5271 RRA 1.7680 RC3-1.9431 FAU .03621 RRT .8604 RRF .9998 RTF .8553 CRT .7488 CRS -.9993 CST -.7232
 FDE .4011 FRA 1.4678 FC3-1.6867 BSP 13459 SGB 4402.2 R23 .0370 R13 .9991 LSA 1616.2 MSA 446.6 SSA 1.3
 BDE .7333 BRA 1.7971 BC3 2.0194 FSP -972 SG1 4368.9 SG2 540.3 THA 77.46 EL1 1466.1 EL2 434.6 ALF 66.38

LAUNCH DATE MAY 22 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 428.610

RL 151.43 LAL -.00 LOL 240.24 VL 27.036 GAL 1.97 AZL 86.84 HCA 188.38 SMA 129.87 ECC .16943 INC 3.1589 V1 29.423
 RP 107.87 LAP -.46 LOP 68.60 VP 37.931 GAP -.20 AZP 93.13 TAL 170.27 TAP 358.65 RCA 107.86 APO 151.87 V2 35.131
 RC 87.767 GL 30.64 GP -59.17 ZAL 78.26 ZAP 90.93 ETS 359.44 ZAE 124.23 ETE 258.61 ZAC 111.70 ETC 352.35 CLP -91.82

PLANETOCENTRIC CONIC

C3 8.535 VHL 2.921 DLA 34.22 RAL 178.90 RAD 6567.3 VEL 11.398 PTH 1.97 VHP 4.992 DPA -42.36 RAP 134.68 ECC 1.1405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.93 22 47 56 3830.29 -28.34 158.59 36.44 69.97 23 51 46 3230.3 -30.80 150.25
 110.07 3 51 43 2876.23 -28.33 87.40 36.44 69.95 4 39 39 2276.2 -30.79 79.06
 69.93 22 47 56 3830.29 -28.34 158.59 36.44 69.97 23 51 46 3230.3 -30.80 150.25
 110.07 3 51 43 2876.23 -28.33 87.40 36.44 69.95 4 39 39 2276.2 -30.79 79.06
 69.93 22 47 56 3830.29 -28.34 158.59 36.44 69.97 23 51 46 3230.3 -30.80 150.25
 110.07 3 51 43 2876.23 -28.33 87.40 36.44 69.95 4 39 39 2276.2 -30.79 79.06

DIFFERENTIAL CORRECTIONS

TDE .2755 TRA .3273 TC3-1.8825 BAU .5232
 RDE .2091 RRA 1.2325 RC3-4.1806 FAU .07412
 FDE .2977 FRA 2.1393 FC3-7.5181 BSP 12700
 BDE .3459 BRA 1.2752 BC3 4.5849 FSP -1863

MID-COURSE EXECUTION ACCURACY

SGT 1450.6 SGR 3831.5 SG3 582.1
 RRT .9315 RRF .9996 RTF .9297
 SGB 4096.9 R23 .0478 R13 .9985
 SG1 4066.6 SG2 497.0 THA 70.27

ORBIT DETERMINATION ACCURACY

ST 589.3 SR 970.9 SS 705.4
 CRT .7485 CRS -.9975 CST -.6995
 LSA 1282.5 MSA 377.6 SSA 2.9
 EL1 1080.0 EL2 351.3 ALF 62.40

LAUNCH DATE MAY 22 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 434.944

RL 151.43 LAL -.00 LOL 240.24 VL 27.035 GAL 2.03 AZL 88.65 HCA 191.59 SMA 129.86 ECC .16969 INC 1.3445 V1 29.423
 RP 107.83 LAP -.27 LOP 71.82 VP 37.941 GAP .23 AZP 91.32 TAL 169.98 TAP 1.57 RCA 107.83 APO 151.90 V2 35.143
 RC 89.996 GL 14.29 GP -49.09 ZAL 75.96 ZAP 94.96 ETS 355.28 ZAE 132.95 ETE 250.96 ZAC 114.51 ETC 354.49 CLP -97.58

PLANETOCENTRIC CONIC

C3 6.601 VHL 2.569 DLA 19.15 RAL 171.73 RAD 6567.2 VEL 11.313 PTH 1.95 VHP 4.115 DPA -32.69 RAP 138.68 ECC 1.1086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 9 2627.48 -26.98 69.36 22.48 98.94 4 55 57 2027.5 -25.47 61.02
 90.00 21 30 18 3986.18 -6.81 160.00 19.05 62.45 22 36 44 3386.2 -10.45 153.21
 100.00 5 45 19 2327.07 -28.01 47.06 22.28 100.89 6 24 6 1727.1 -26.22 38.71
 100.00 22 39 49 3761.83 -5.89 143.01 18.55 60.64 23 42 31 3161.8 -9.76 136.35
 110.00 7 19 8 2033.53 -30.61 24.05 21.57 106.02 7 53 2 1433.5 -28.11 15.74
 110.00 23 22 29 3628.13 -3.62 131.46 17.14 55.99 24 22 57 3028.1 -8.06 125.19

DIFFERENTIAL CORRECTIONS

TDE .0802 TRA .3662 TC3-3.1191 BAU .5043
 RDE -.0743 RRA .9609 RC3-4.7891 FAU .10592
 FDE -.3397 FRA 2.6978 FC-13.8922 BSP 11763
 BDE .1093 BRA 1.0283 BC3 5.7153 FSP -2652

MID-COURSE EXECUTION ACCURACY

SGT 1829.7 SGR 3350.9 SG3 829.1
 RRT .9582 RRF .9994 RTF .9574
 SGB 3817.9 R23 .0660 R13 .9973
 SG1 3789.8 SG2 462.7 THA 61.92

ORBIT DETERMINATION ACCURACY

ST 318.6 SR 704.3 SS 734.7
 CRT .6701 CRS -.9905 CST -.5623
 LSA 1035.2 MSA 256.0 SSA 6.8
 EL1 739.5 EL2 225.3 ALF 71.34

LAUNCH DATE MAY 22 1967

FLIGHT TIME 162.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 441.266

RL 151.43 LAL -.00 LOL 240.24 VL 27.032 GAL 2.10 AZL 89.69 HCA 194.81 SMA 129.84 ECC .17014 INC .3096 V1 29.423
 RP 107.80 LAP -.08 LOP 75.05 VP 37.949 GAP .65 AZP 90.30 TAL 169.65 TAP 4.46 RCA 107.75 APO 151.93 V2 35.154
 RC 92.232 GL 3.36 GP -41.27 ZAL 74.76 ZAP 99.73 ETS 352.41 ZAE 138.69 ETE 242.25 ZAC 116.80 ETC 356.65 CLP -103.00

PLANETOCENTRIC CONIC

C3 6.251 VHL 2.500 DLA 8.81 RAL 167.97 RAD 6567.2 VEL 11.298 PTH 1.94 VHP 3.707 DPA -24.89 RAP 140.57 ECC 1.1029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 31 2252.27 -20.46 43.88 15.09 110.01 6 8 4 1652.3 -17.55 36.42
 90.00 19 41 57 4342.80 4.63 179.96 13.34 62.03 20 54 19 3742.8 .86 173.32
 100.00 6 56 9 1976.08 -21.21 23.27 14.79 111.57 7 29 5 1376.1 -18.09 15.86
 100.00 20 59 0 4094.22 5.33 161.30 12.96 60.54 22 7 14 3494.2 1.37 154.76
 110.00 8 14 10 1731.93 -23.18 3.80 13.85 115.86 8 43 2 1131.9 -19.51 356.58
 110.00 21 57 28 3911.14 7.16 146.28 11.83 56.49 23 2 39 3311.1 2.71 140.03

DIFFERENTIAL CORRECTIONS

TDE -.0986 TRA .4211 TC3-3.9705 BAU .4939
 RDE -.2269 RRA .7818 RC3-4.3778 FAU .12834
 FDE -1.1201 FRA 3.0717 FC-17.7755 BSP 11200
 BDE .2474 BRA .8880 BC3 5.9102 FSP -3245

MID-COURSE EXECUTION ACCURACY

SGT 2224.0 SGR 2889.6 SG3 1008.8
 RRT .9701 RRF .9990 RTF .9698
 SGB 3646.4 R23 .0879 R13 .9952
 SG1 3620.8 SG2 431.1 THA 52.63

ORBIT DETERMINATION ACCURACY

ST 374.8 SR 755.4 SS 1073.1
 CRT .9919 CRS -.9936 CST -.9732
 LSA 1361.2 MSA 97.8 SSA 17.2
 EL1 842.2 EL2 42.8 ALF 63.72

LAUNCH DATE MAY 22 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 447.573

RL 151.43 LAL -.00 LOL 240.24 VL 27.026 GAL 2.19 AZL 90.36 HCA 198.03 SMA 129.81 ECC .17078 INC .3602 V1 29.423
 RP 107.77 LAP .11 LOP 78.27 VP 37.956 GAP 1.06 AZP 89.66 TAL 169.28 TAP 7.31 RCA 107.64 APO 151.97 V2 35.165
 RC 94.474 GL -3.87 GP -35.09 ZAL 73.94 ZAP 104.76 ETS 350.45 ZAE 142.00 ETE 233.01 ZAC 118.67 ETC 358.72 CLP -108.14

PLANETOCENTRIC CONIC

C3 6.346 VHL 2.519 DLA 1.82 RAL 165.92 RAD 6567.2 VEL 11.302 PTH 1.94 VHP 3.512 DPA -18.58 RAP 141.45 ECC 1.1044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 33 2034.53 -14.83 30.39 11.98 114.40 6 49 27 1434.5 -11.42 23.38
 90.00 18 40 35 4565.65 11.55 192.68 11.60 63.97 19 56 41 3965.7 7.96 185.84
 100.00 7 37 44 1769.42 -15.52 10.56 11.64 115.87 8 7 14 1169.4 -11.92 3.63
 100.00 20 1 5 4305.99 12.23 173.23 11.25 62.51 21 12 51 3706.0 8.46 166.48
 110.00 8 47 56 1549.73 -17.35 352.87 10.63 119.92 9 13 45 949.7 -13.24 346.17
 110.00 21 7 23 4098.45 14.04 156.43 10.21 58.51 22 15 41 3498.5 9.77 149.93

DIFFERENTIAL CORRECTIONS

TDE -.2676 TRA .4861 TC3-4.5380 BAU .4968
 RDE -.2921 RRA .6541 RC3-3.7021 FAU .14135
 FDE -1.8257 FRA 3.2911 FC-19.2841 BSP 11024
 BDE .3962 BRA .8150 BC3 5.8565 FSP -3617

MID-COURSE EXECUTION ACCURACY

SGT 2611.8 SGR 2477.1 SG3 1119.0
 RRT .9762 RRF .9984 RTF .9764
 SGB 3599.7 R23 .1066 R13 .9927
 SG1 3578.2 SG2 392.5 THA 43.45

ORBIT DETERMINATION ACCURACY

ST 696.6 SR 802.5 SS 1435.3
 CRT .9953 CRS -.9954 CST -.9993
 LSA 1784.5 MSA 68.1 SSA 23.1
 EL1 1061.5 EL2 50.8 ALF 49.06

LAUNCH DATE MAY 22 1967 FLIGHT TIME 166.00 ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC
RL 151.43 LAL -0.00 LOL 240.24 VL 27.019 GAL 2.28 AZL 90.83 HCA 201.26 SMA 129.75 ECC .17160 INC .8348 VI 29.423
RP 107.73 LAP .30 LOP 81.50 VP 37.960 GAP 1.48 AZP 89.22 TAL 168.85 TAP 10.11 RCA 107.49 APO 152.02 VZ 35.175
RC 96.719 GL -8.81 GP -30.13 ZAL 73.19 ZAP 109.74 ETS 349.15 ZAE 143.46 ETE 224.08 ZAC 120.16 ETC .67 CLP-112.98
C3 6.593 VHL 2.568 DLA -3.08 RAL 164.85 RAD 6567.2 VEL 11.313 PTM 1.95 WHP 3.433 DPA -13.46 RAP 141.87 ECC 1.1085
LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 6 47 40 1888.95 -10.57 21.83 10.85
90.00 17 59 55 4724.23 16.10 202.11 11.50 66.39 19 18 39 4124.3 12.77 195.01 355.80 -7.44 13.29 175.12 339.56 -8.78 14.65 157.33
100.00 19 22 41 4457.31 16.81 182.14 11.17 64.91 20 36 58 3857.3 13.29 175.12 339.56 -8.78 14.65 157.33
110.00 9 12 31 1427.90 -13.09 346.01 9.42 121.66 9 36 19 827.9 8.78 339.56 157.33
110.00 20 34 14 4233.38 18.68 164.13 10.16 60.84 21 44 48 3633.4 14.65 157.33
DIFFERENTIAL CORRECTIONS
TOE -.4291 TRA .5580 TC3-4 .9304 BAU .5110 SGT 2980.3 SGR 2117.2 SC3 1169.3 RRT .9791 RRF .9801 LSA 2144.7 MSA 81.4 SSA 19.3
ROE -.3067 RRA .5595 RC3-3 .0484 FAU .14635 RMT .9791 RRF .9801 LSA 2144.7 MSA 81.4 SSA 19.3
FOE -2.3741 FRA 3.3994 FC-19.2169 BSP 11157 SGT 3638.8 SGR 352.7 THA 35.20 ELI 1291.2 EL2 80.5 ALF 37.12
BOE .5274 BRA .7902 BC3 5.1967 FSP -3782 SGT 3638.8 SGR 352.7 THA 35.20 ELI 1291.2 EL2 80.5 ALF 37.12
LAUNCH DATE MAY 22 1967 FLIGHT TIME 168.00 ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC
RL 151.43 LAL -0.00 LOL 240.24 VL 27.009 GAL 2.29 AZL 91.19 HCA 204.49 SMA 129.69 ECC .17261 INC 1.1886 VI 29.423
RP 107.70 LAP .49 LOP 84.72 VP 37.962 GAP 1.89 AZP 88.92 TAL 168.39 TAP 12.88 RCA 107.30 APO 152.08 VZ 35.185
RC 98.967 GL -12.30 GP -26.11 ZAL 72.40 ZAP 114.52 ETS 348.29 ZAE 143.60 ETE 216.17 ZAC 121.28 ETC 2.49 CLP-117.53
C3 6.902 VHL 2.627 DLA -6.69 RAL 164.40 RAD 6567.2 VEL 11.327 PTM 1.95 WHP 3.425 DPA -9.28 RAP 142.10 ECC 1.1136
LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 7 13 7 1783.80 -7.32 15.81 10.77 117.43 7 42 50 1183.8 -3.59 9.11
90.00 17 30 52 4845.37 19.25 209.60 12.22 68.82 18 51 37 4245.4 16.20 202.25 350.28 -4.12 16.75 181.94 334.94 -5.51 18.20 163.21
100.00 8 31 24 1531.68 -8.04 356.88 10.39 118.89 8 56 48 3931.7 16.75 181.94 334.94 -5.51 18.20 163.21
100.00 18 55 24 4572.73 19.99 189.23 11.90 67.30 20 11 36 3972.7 16.75 181.94 334.94 -5.51 18.20 163.21
110.00 9 32 13 1340.84 -9.91 341.26 9.25 122.88 9 54 34 740.8 -5.51 18.20 163.21
110.00 20 10 56 4336.33 21.98 170.30 10.91 63.14 21 23 12 3736.3 18.20 163.21
DIFFERENTIAL CORRECTIONS
TOE -.5849 TRA .6341 TC3-5 .2136 BAU .5337 SGT 3327.2 SGR 1813.8 SC3 1177.3 RRT .9803 RRF .9825 LSA 2442.5 MSA 92.5 SSA 17.4
ROE -.2957 RRA .4866 RC3-2 .0505 FAU .14608 RMT .9803 RRF .9825 LSA 2442.5 MSA 92.5 SSA 17.4
FOE -2.7693 FRA 3.4234 FC-18.3236 BSP 11579 SGT 3776.3 SGR 315.7 THA 28.34 ELI 1523.2 EL2 91.8 ALF 28.07
BOE .6554 BRA .7993 BC3 5.1842 FSP -3820 SGT 3776.3 SGR 315.7 THA 28.34 ELI 1523.2 EL2 91.8 ALF 28.07
LAUNCH DATE MAY 22 1967 FLIGHT TIME 170.00 ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
RL 151.43 LAL -0.00 LOL 240.24 VL 26.998 GAL 2.52 AZL 91.46 HCA 207.72 SMA 129.61 ECC .17380 INC 1.4648 VI 29.423
RP 107.67 LAP .68 LOP 87.95 VP 37.963 GAP 2.29 AZP 88.70 TAL 167.87 TAP 15.60 RCA 107.09 APO 152.14 VZ 35.195
RC 101.218 GL -14.85 GP -22.81 ZAL 71.54 ZAP 119.03 ETS 347.74 ZAE 142.89 ETE 209.57 ZAC 122.07 ETC 4.17 CLP-121.76
C3 7.241 VHL 2.691 DLA -9.45 RAL 164.38 RAD 6567.2 VEL 11.342 PTM 1.95 WHP 3.464 DPA -5.86 RAP 142.28 ECC 1.1192
LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 7 34 37 1703.74 -4.79 11.29 11.31 117.94 8 3 1 1107.7 -1.02 4.64
90.00 17 34 37 1703.74 -4.79 11.29 11.31 117.94 8 3 1 1107.7 -1.02 4.64
90.00 17 9 11 215.81 21.51 215.81 13.40 71.13 18 31 33 4342.4 18.74 208.24 346.14 -1.57 19.32 187.58 331.52 -3.03 20.88 168.08
100.00 8 51 20 1456.27 -5.53 352.68 10.00 119.42 9 15 36 856.3 4065.1 19.32 187.58 331.52 -3.03 20.88 168.08
100.00 18 35 9 4665.09 22.31 195.11 9.70 123.45 10 10 17 675.6 4065.1 19.32 187.58 331.52 -3.03 20.88 168.08
110.00 9 49 2 1275.59 -7.48 337.78 9.70 123.45 10 10 17 675.6 4065.1 19.32 187.58 331.52 -3.03 20.88 168.08
110.00 19 53 56 4418.53 24.41 175.44 12.14 65.30 21 7 35 3818.5 20.88 168.08
DIFFERENTIAL CORRECTIONS
TOE -.7356 TRA .7134 TC3-5 .4169 BAU .5613 SGT 3650.2 SGR 1559.4 SC3 1155.3 RRT .9797 RRF .9922 RFL .9841 LSA 2691.2 MSA 100.0 SSA 16.7
ROE -.2715 RRA .4296 RC3-2 .0670 FAU .14208 RMT .9797 RRF .9922 RFL .9841 LSA 2691.2 MSA 100.0 SSA 16.7
FOE -3.0295 FRA 3.3920 FC-16.9869 BSP 12167 SGT 3958.8 SGR 288.0 THA 22.84 ELI 1754.4 EL2 96.3 ALF 21.26
BOE .7841 BRA .8328 BC3 5.1797 FSP -3761 SGT 3958.8 SGR 288.0 THA 22.84 ELI 1754.4 EL2 96.3 ALF 21.26
LAUNCH DATE MAY 22 1967 FLIGHT TIME 172.00 ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
RL 151.43 LAL -0.00 LOL 240.24 VL 26.985 GAL 2.66 AZL 91.69 HCA 210.96 SMA 129.53 ECC .17516 INC 1.6874 VI 29.423
RP 107.91 LAP .97 LOP 91.19 VP 37.962 GAP 2.70 AZP 88.55 TAL 167.32 TAP 18.28 RCA 106.84 APO 152.21 VZ 35.204
RC 103.470 GL -16.73 GP -20.08 ZAL 70.59 ZAP 123.23 ETS 347.41 ZAE 141.70 ETE 204.29 ZAC 122.55 ETC 5.69 CLP-125.70
C3 7.601 VHL 2.757 DLA -11.63 RAL 164.67 RAD 6567.2 VEL 11.357 PTM 1.96 WHP 3.537 DPA -3.06 RAP 142.52 ECC 1.1251
LNCH AZMTH LNCH TIME L-1 TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
90.00 7 53 37 1640.42 -2.76 12.66 12.66 118.19 8 20 58 1040.4 20.68 213.36 342.88 -1.11 21.31 192.42 328.87 -1.10 22.97 172.25
90.00 16 52 32 5023.16 23.19 221.14 14.89 73.28 18 16 15 4423.2 20.68 213.36 342.88 -1.11 21.31 192.42 328.87 -1.10 22.97 172.25
100.00 9 9 4 1396.98 -3.54 349.41 11.83 119.70 9 32 21 797.0 4141.8 192.42 328.87 -1.10 22.97 172.25
100.00 18 19 45 4741.83 24.04 200.15 14.59 71.68 19 38 47 4141.8 192.42 328.87 -1.10 22.97 172.25
110.00 4 0 4 1224.96 -5.57 335.10 10.57 123.78 10 24 25 625.0 4141.8 192.42 328.87 -1.10 22.97 172.25
110.00 19 41 19 4486.61 26.28 179.85 13.87 67.31 20 56 6 3886.6 22.97 172.25
DIFFERENTIAL CORRECTIONS
TOE -.8806 TRA .7967 TC3-5 .5529 BAU .5906 SGT 3947.4 SGR 1347.0 SC3 1113.2 RRT .9772 RRF .9875 RFL .9850 LSA 2900.1 MSA 105.4 SSA 16.5
ROE -.2408 RRA .3850 RC3-1 .1712 FAU .13560 RMT .9772 RRF .9875 RFL .9850 LSA 2900.1 MSA 105.4 SSA 16.5
FOE -3.1773 FRA 3.3289 FC-15.4446 BSP 12835 SGT 4162.0 SGR 271.0 THA 18.52 ELI 1978.9 EL2 98.5 ALF 16.13
BOE .9129 BRA .8849 BC3 5.8124 FSP -3636 SGT 4162.0 SGR 271.0 THA 18.52 ELI 1978.9 EL2 98.5 ALF 16.13
LAUNCH DATE MAY 22 1967 FLIGHT TIME 172.00 ARRIVAL DATE NOV 10 1967

LAUNCH DATE MAY 22 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 478.832

RL 151.43 LAL -.00 LOL 240.24 VL 26.971 GAL 2.81 AZL 91.87 HCA 214.20 SMA 129.43 ECC .17671 INC 1.8718 V1 29.423
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.960 GAP 3.10 AZP 88.45 TAL 166.72 TAP 20.91 RCA 106.56 APO 152.30 V2 35.212
 RC 105.723 GL -18.15 GP -17.80 ZAL 69.56 ZAP 127.13 ETS 347.21 ZAE 140.27 ETE 200.14 ZAC 122.73 ETC 7.04 CLP-129.35

PLANETOCENTRIC CONIC

C3 7.981 VHL 2.825 DLA -13.41 RAL 165.21 RAD 6567.3 VEL 11.374 PTH 1.96 VHP 3.635 DPA -.77 RAP 142.85 ECC 1.1313
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 56 1588.92 -1.10 4.86 13.51 118.30 8 37 25 988.9 2.69 358.24
 90.00 16 39 32 5092.50 24.47 225.81 16.60 75.29 18 4 24 4492.5 22.21 217.87
 100.00 9 25 16 1349.10 -1.92 346.78 13.05 119.84 9 47 45 749.1 2.06 340.26
 100.00 18 7 53 4807.56 25.38 204.58 16.32 73.65 19 28 0 4207.6 22.89 196.66
 110.00 10 17 45 1184.72 -4.04 332.98 11.73 123.97 10 37 30 584.7 .44 326.77
 110.00 19 31 53 4544.71 27.74 183.73 15.43 69.18 20 47 38 3944.7 24.66 175.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.0201 TRA .8846 TC3-5.6331 BAU .6203 SGT 4220.4 SGR 1171.1 SG3 1059.6 ST 2143.8 SR 475.5 SS 2161.6
 RDE -.2078 RRA .3501 RC3-1.4391 FAU .12774 RRT .9724 RRF .9804 RTF .9856 CRT .9764 CRS -.9839 CST -.9992
 FDE-3.2404 FRA 3.2499 FC-13.8574 BSP 13537 SGB 4379.9 R23 .0785 R13 .9870 LSA 3079.3 MSA 109.7 SSA 16.6
 BDE 1.0410 BRA .9514 BC3 5.8141 FSP -3473 SG1 4371.9 SG2 264.0 THA 15.16 EL1 2193.6 EL2 100.4 ALF 12.25

LAUNCH DATE MAY 22 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 485.025

RL 151.43 LAL -.00 LOL 240.24 VL 26.955 GAL 2.97 AZL 92.03 HCA 217.44 SMA 129.32 ECC .17844 INC 2.0279 V1 29.423
 RP 107.60 LAP 1.23 LOP 97.65 VP 37.956 GAP 3.50 AZP 88.39 TAL 166.08 TAP 23.52 RCA 106.24 APO 152.39 V2 35.220
 RC 107.975 GL -19.21 GP -15.88 ZAL 68.45 ZAP 130.74 ETS 347.09 ZAE 138.75 ETE 196.90 ZAC 122.65 ETC 8.23 CLP-132.72

PLANETOCENTRIC CONIC

C3 8.383 VHL 2.895 DLA -14.88 RAL 165.95 RAD 6567.3 VEL 11.392 PTH 1.97 VHP 3.752 DPA 1.10 RAP 143.31 ECC 1.1380
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 4 1546.23 .28 2.48 14.99 118.32 8 52 50 946.2 4.06 355.85
 90.00 16 29 17 5153.50 25.46 230.01 18.48 77.17 17 55 11 4553.5 23.44 221.92
 100.00 9 40 21 1309.73 -.59 344.62 14.51 119.89 10 2 11 709.7 3.39 338.09
 100.00 17 58 40 4865.23 26.42 208.55 18.22 75.48 19 19 46 4265.2 24.17 200.47
 110.00 10 30 39 1152.21 -2.81 331.28 13.13 124.08 10 49 51 552.2 1.69 325.08
 110.00 19 24 52 4595.51 28.92 187.21 17.36 70.93 20 41 28 3995.5 26.05 179.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1525 TRA .9790 TC3-5.6565 BAU .6484 SGT 4466.4 SGR 1025.1 SG3 998.7 ST 2360.8 SR 397.8 SS 2169.4
 RDE -.1739 RRA .3231 RC3-1.2147 FAU .11892 RRT .9643 RRF .9702 RTF .9858 CRT .9650 CRS -.9740 CST -.9992
 FDE-3.2332 FRA 3.1687 FC-12.2822 BSP 14185 SGB 4582.5 R23 .0616 R13 .9867 LSA 3228.7 MSA 113.9 SSA 16.8
 BDE 1.1656 BRA 1.0309 BC3 5.7855 FSP -3272 SG1 4574.9 SG2 265.1 THA 12.52 EL1 2391.8 EL2 102.9 ALF 9.25

LAUNCH DATE MAY 22 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 491.196

RL 151.43 LAL -.00 LOL 240.24 VL 26.938 GAL 3.15 AZL 92.16 HCA 220.68 SMA 129.20 ECC .18034 INC 2.1625 V1 29.423
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.950 GAP 3.90 AZP 88.36 TAL 165.40 TAP 26.08 RCA 105.90 APO 152.50 V2 35.227
 RC 110.226 GL -20.00 GP -14.25 ZAL 67.28 ZAP 134.06 ETS 347.02 ZAE 137.25 ETE 194.36 ZAC 122.33 ETC 9.26 CLP-135.85

PLANETOCENTRIC CONIC

C3 8.811 VHL 2.968 DLA -16.14 RAL 166.85 RAD 6567.3 VEL 11.411 PTH 1.98 VHP 3.886 DPA 2.61 RAP 143.91 ECC 1.1450
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 18 1510.39 1.43 .49 16.67 118.28 9 7 29 910.4 5.20 353.83
 90.00 16 21 13 5208.21 26.23 233.83 20.50 78.93 17 48 1 4608.2 24.44 225.62
 100.00 9 54 39 1276.99 .52 342.82 16.16 119.89 10 15 56 677.0 4.50 336.29
 100.00 17 51 34 4916.84 27.25 212.16 20.26 77.21 19 13 31 4316.8 25.22 203.95
 110.00 10 42 55 1125.76 -1.80 329.90 14.71 124.14 11 1 41 525.8 2.70 323.70
 110.00 19 19 47 4640.84 29.89 190.39 19.45 72.59 20 37 8 4040.8 27.22 182.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2817 TRA 1.0771 TC3-5.6452 BAU .6761 SGT 4694.3 SGR 905.8 SG3 936.8 ST 2559.8 SR 328.7 SS 2160.3
 RDE -.1416 RRA .3013 RC3-1.0372 FAU .11025 RRT .9525 RRF .9561 RTF .9859 CRT .9461 CRS -.9569 CST -.9993
 FDE-3.1898 FRA 3.0799 FC-10.8331 BSP 14848 SGB 4780.8 R23 .0455 R13 .9864 LSA 3363.5 MSA 117.5 SSA 17.0
 BDE 1.2895 BRA 1.1184 BC3 5.7397 FSP -3077 SG1 4773.1 SG2 271.1 THA 10.45 EL1 2578.6 EL2 105.7 ALF 6.94

LAUNCH DATE MAY 22 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 497.346

RL 151.43 LAL -.00 LOL 240.24 VL 26.920 GAL 3.35 AZL 92.28 HCA 223.92 SMA 129.08 ECC .18244 INC 2.2806 V1 29.423
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.943 GAP 4.31 AZP 88.36 TAL 164.69 TAP 28.61 RCA 105.53 APO 152.63 V2 35.233
 RC 112.475 GL -20.56 GP -12.87 ZAL 66.03 ZAP 137.14 ETS 346.97 ZAE 135.80 ETE 192.37 ZAC 121.80 ETC 10.14 CLP-138.76

PLANETOCENTRIC CONIC

C3 9.269 VHL 3.045 DLA -17.21 RAL 167.89 RAD 6567.3 VEL 11.431 PTH 1.98 VHP 4.033 DPA 3.82 RAP 144.66 ECC 1.1526
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 53 1480.11 2.41 358.79 18.50 118.22 9 21 33 880.1 6.16 352.13
 90.00 16 14 54 5258.07 26.83 237.35 22.66 80.60 17 42 33 4658.1 25.26 229.04
 100.00 10 8 18 1249.63 1.45 341.32 17.97 119.86 10 29 8 649.6 5.41 334.77
 100.00 17 46 10 4963.78 27.91 215.49 22.44 78.85 19 8 54 4363.8 26.09 207.16
 110.00 10 54 43 1104.21 -.97 328.78 16.46 124.17 11 13 8 504.2 3.52 322.57
 110.00 19 16 14 4681.97 30.69 193.32 21.67 74.15 20 34 16 4082.0 28.22 185.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4071 TRA 1.1807 TC3-5.5976 BAU .7025 SGT 4903.1 SGR 808.1 SG3 875.7 ST 2740.2 SR 268.3 SS 2137.2
 RDE -.1109 RRA .2840 RC3-.8942 FAU .10180 RRT .9363 RRF .9371 RTF .9858 CRT .9131 CRS -.9265 CST -.9994
 FDE-3.1191 FRA 2.9920 FC3-9.5076 BSP 15496 SGB 4969.3 R23 .0315 R13 .9861 LSA 3483.3 MSA 120.9 SSA 17.1
 BDE 1.4114 BRA 1.2144 BC3 5.6686 FSP -2888 SG1 4961.4 SG2 280.5 THA 8.80 EL1 2751.2 EL2 108.9 ALF 5.12

LAUNCH DATE MAY 22 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 503.474

RL 151.43 LAL -.00 LOL 240.24 VL 26.900 GAL 3.55 AZL 92.39 HCA 227.16 SMA 128.95 ECC .18473 INC 2.3855 V1 29.423
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.934 GAP 4.71 AZP 88.38 TAL 163.94 TAP 31.10 RCA 105.13 APO 152.77 V2 35.239
 RC 114.720 GL -20.95 GP -11.69 ZAL 64.74 ZAP 139.99 ETS 346.93 ZAE 134.45 ETE 190.79 ZAC 121.08 ETC 10.88 CLP-141.45

PLANETOCENTRIC CONIC

C3 9.765 VHL 3.125 DLA -18.15 RAL 169.04 RAD 6567.4 VEL 11.452 PTH 1.99 VHP 4.192 DPA 4.78 RAP 145.53 ECC 1.1607
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 10 54 1454.49 3.23 357.36 20.48 118.15 9 35 9 854.5 6.97 350.68
 90.00 16 10 4 5304.11 27.30 240.64 24.92 82.19 17 38 28 4704.1 25.94 232.24
 100.00 10 21 28 1226.81 2.22 340.07 19.92 119.82 10 41 55 626.8 6.18 333.51
 100.00 17 42 11 5007.02 28.44 218.59 24.72 80.40 19 5 38 4407.0 26.82 210.16
 110.00 11 6 9 1086.81 -.31 327.87 18.34 124.18 11 24 16 486.8 4.18 321.66
 110.00 19 14 0 4719.79 31.36 196.06 24.01 75.65 20 32 39 4119.8 29.07 187.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5280 TRA 1.2915 TC3-5.5142 BAU .7270 SGT 5092.7 SGR 728.2 SG3 816.1 ST 2901.6 SR 216.9 SS 2101.8
 RDE -.0815 RRA .2705 RC3 -.7766 FAU .09359 RRT .9146 RRF .9125 RTF .9856 CRT .8535 CRS -.8702 CST -.9994
 FDE-3.0275 FRA 2.9100 FC3-8.2973 BSP 16091 SGB 5144.5 R23 .0199 R13 .9858 LSA 3587.2 MSA 124.6 SSA 17.2
 BDE 1.5302 BRA 1.3195 BC3 5.5686 FSP -2700 SG1 5136.2 SG2 291.9 THA 7.47 EL1 2907.5 EL2 112.8 ALF 3.66

LAUNCH DATE MAY 22 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 509.580

RL 151.43 LAL -.00 LOL 240.24 VL 26.880 GAL 3.78 AZL 92.48 HCA 230.40 SMA 128.81 ECC .18721 INC 2.4801 V1 29.423
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.925 GAP 5.12 AZP 88.42 TAL 163.16 TAP 33.57 RCA 104.69 APO 152.92 V2 35.244
 RC 116.961 GL -21.20 GP -10.67 ZAL 63.39 ZAP 142.62 ETS 346.87 ZAE 133.19 ETE 189.53 ZAC 120.20 ETC 11.50 CLP-143.97

PLANETOCENTRIC CONIC

C3 10.303 VHL 3.210 DLA -18.96 RAL 170.28 RAD 6567.4 VEL 11.476 PTH 1.99 VHP 4.361 DPA 5.52 RAP 146.54 ECC 1.1696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 27 1432.96 3.92 356.16 22.58 118.07 9 48 20 833.0 7.65 349.46
 90.00 16 6 28 5347.03 27.66 243.73 27.29 83.70 17 35 35 4747.0 26.50 235.26
 100.00 10 34 11 1207.95 2.86 339.03 22.00 119.77 10 54 19 607.9 6.80 332.46
 100.00 17 39 25 5047.28 28.87 221.51 27.12 81.88 19 3 33 4447.3 27.44 213.00
 110.00 11 17 15 1073.02 .22 327.15 20.35 124.18 11 35 8 473.0 4.70 320.93
 110.00 19 12 51 4754.97 31.93 198.65 26.46 77.09 20 32 6 4155.0 29.82 190.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6428 TRA 1.4123 TC3-5.3915 BAU .7485 SGT 5261.5 SGR 662.9 SG3 758.8 ST 3041.3 SR 175.6 SS 2054.3
 RDE -.0530 RRA .2602 RC3 -.6776 FAU .08553 RRT .8866 RRF .8816 RTF .9852 CRT .7429 CRS -.7642 CST -.9994
 FDE-2.9176 FRA 2.8396 FC3-7.1865 BSP 16583 SGB 5303.1 R23 .0110 R13 .9853 LSA 3672.0 MSA 128.9 SSA 17.3
 BDE 1.6437 BRA 1.4360 BC3 5.4339 FSP -2507 SG1 5294.3 SG2 304.7 THA 6.40 EL1 3044.1 EL2 117.5 ALF 2.46

LAUNCH DATE MAY 22 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 515.660

RL 151.43 LAL -.00 LOL 240.24 VL 26.858 GAL 4.02 AZL 92.57 HCA 233.65 SMA 128.67 ECC .18990 INC 2.5661 V1 29.423
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.913 GAP 5.53 AZP 88.48 TAL 162.35 TAP 36.00 RCA 104.23 APO 153.10 V2 35.248
 RC 119.197 GL -21.32 GP -9.79 ZAL 62.01 ZAP 145.08 ETS 346.79 ZAE 132.04 ETE 188.51 ZAC 119.16 ETC 12.01 CLP-146.31

PLANETOCENTRIC CONIC

C3 10.890 VHL 3.300 DLA -19.67 RAL 171.61 RAD 6567.4 VEL 11.501 PTH 2.00 VHP 4.539 DPA 6.07 RAP 147.66 ECC 1.1792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 37 34 1415.11 4.49 355.16 24.79 117.99 10 1 9 815.1 8.20 348.44
 90.00 16 3 57 5387.37 27.93 246.65 29.75 85.14 17 33 45 4787.4 26.96 238.12
 100.00 10 46 30 1192.66 3.38 338.19 24.18 119.72 11 6 23 592.7 7.31 331.61
 100.00 17 37 43 5085.06 29.20 224.27 29.60 83.29 19 2 28 4485.1 27.96 215.68
 110.00 11 28 2 1062.49 .62 326.60 22.46 124.18 11 45 45 462.5 5.10 320.38
 110.00 19 12 40 4787.99 32.40 201.11 29.00 78.47 20 32 28 4188.0 30.48 192.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7577 TRA 1.5376 TC3-5.2545 BAU .7699 SGT 5420.1 SGR 610.3 SG3 705.8 ST 3169.8 SR 147.1 SS 2006.3
 RDE -.0264 RRA .2517 RC3 -.5966 FAU .07831 RRT .8528 RRF .8444 RTF .9849 CRT .5569 CRS -.5828 CST -.9994
 FDE-2.8104 FRA 2.7681 FC3-6.2253 BSP 17113 SGB 5454.4 R23 .0030 R13 .9849 LSA 3751.9 MSA 132.8 SSA 17.3
 BDE 1.7579 BRA 1.5581 BC3 5.2882 FSP -2342 SG1 5445.2 SG2 317.3 THA 5.50 EL1 3170.8 EL2 122.1 ALF 1.48

LAUNCH DATE MAY 22 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 521.716

RL 151.43 LAL -.00 LOL 240.24 VL 26.836 GAL 4.28 AZL 92.65 HCA 236.90 SMA 128.52 ECC .19281 INC 2.6453 V1 29.423
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.901 GAP 5.94 AZP 88.55 TAL 161.52 TAP 38.41 RCA 103.74 APO 153.29 V2 35.252
 RC 121.426 GL -21.33 GP -9.03 ZAL 60.59 ZAP 147.37 ETS 346.67 ZAE 130.99 ETE 187.68 ZAC 118.00 ETC 12.42 CLP-148.51

PLANETOCENTRIC CONIC

C3 11.533 VHL 3.396 DLA -20.30 RAL 173.01 RAD 6567.4 VEL 11.529 PTH 2.01 VHP 4.726 DPA 6.46 RAP 148.90 ECC 1.1898
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 50 15 1400.67 4.96 354.35 27.10 117.92 10 13 36 800.7 8.65 347.62
 90.00 16 2 25 5425.51 28.12 249.43 32.30 86.52 17 32 50 4825.5 27.34 240.85
 100.00 10 58 26 1180.67 3.78 337.53 26.46 119.67 11 18 6 580.7 7.71 330.94
 100.00 17 36 56 5120.74 29.45 226.89 32.18 84.65 19 2 16 4520.7 28.40 218.24
 110.00 11 38 33 1054.95 .91 326.21 24.67 124.17 11 56 8 455.0 5.39 319.98
 110.00 19 13 18 4819.23 32.80 203.46 31.64 79.80 20 33 37 4219.2 31.05 194.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8704 TRA 1.6712 TC3-5.0957 BAU .7899 SGT 5565.4 SGR 568.0 SG3 656.6 ST 3283.5 SR 132.6 SS 1954.9
 RDE -.0008 RRA .2449 RC3 -.5278 FAU .07163 RRT .8129 RRF .8010 RTF .9845 CRT .2865 CRS -.3156 CST -.9995
 FDE-2.7018 FRA 2.7026 FC3-5.3765 BSP 17610 SGB 5594.3 R23 -.0036 R13 .9845 LSA 3821.2 MSA 136.9 SSA 17.2
 BDE 1.8704 BRA 1.6890 BC3 5.1230 FSP -2189 SG1 5584.6 SG2 329.7 THA 4.76 EL1 3283.7 EL2 127.1 ALF .66

LAUNCH DATE MAY 22 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC
 RL 151.43 LAL -.00 LOL 240.24 VL 26.813 GAL 4.55 AZL 92.72 HCA 240.14 SMA 128.36 ECC .19594 INC 2.7189 V1 29.423
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.887 GAP 6.36 AZP 88.65 TAL 160.65 TAP 40.79 RCA 103.21 APO 153.51 V2 35.255
 RC 123.648 GL -21.25 GP -8.36 ZAL 59.14 ZAP 149.51 ETS 346.52 ZAE 130.03 ETE 187.00 ZAC 116.72 ETC 12.75 CLP-150.57

PLANETOCENTRIC CONIC
 C3 12.241 VHL 3.499 DLA -20.85 RAL 174.46 RAD 6567.5 VEL 11.560 PTH 2.02 VHP 4.922 DPA 6.71 RAP 150.23 ECC 1.2015
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 2 32 1389.47 5.31 353.72 29.50 117.85 10 25 41 789.5 9.00 346.98
 90.00 16 1 45 5461.73 28.24 252.07 34.92 87.84 17 32 47 4861.7 27.64 243.46
 100.00 11 9 58 1171.80 4.08 337.04 28.83 119.64 11 29 30 571.8 8.00 330.44
 100.00 17 36 59 5154.63 29.64 229.39 34.84 85.95 19 2 54 4554.6 28.77 220.70
 110.00 11 48 46 1050.23 1.09 325.96 26.96 124.17 12 6 16 450.2 5.57 319.74
 110.00 19 14 41 4848.97 33.14 205.71 34.37 81.10 20 35 30 4249.0 31.56 196.84

DIFFERENTIAL CORRECTIONS
 TOE-1.9802 TRA 1.8142 TC3-4.9161 BAU .8082
 RDE .0241 RRA .2396 RC3 -.4683 FAU .06536
 FDE-2.5918 FRA 2.6450 FC3-4.6228 BSP 18059
 BDE 1.9804 BRA 1.8300 BC3 4.9383 FSP -2043

MID-COURSE EXECUTION ACCURACY
 SGT 5697.1 SGR 534.1 SG3 610.7
 RRT .7671 RRF .7520 RTF .9841
 SGB 5722.1 R23 -.0088 R13 .9840
 SG1 5711.9 SG2 341.7 THA 4.13

ORBIT DETERMINATION ACCURACY
 ST 3381.8 SR 132.4 SS 1899.9
 CRT -.0152 CRS -.0146 CST -.9995
 LSA 3878.6 MSA 141.4 SSA 17.3
 EL1 3381.8 EL2 132.4 ALF 179.97

LAUNCH DATE MAY 22 1967

FLIGHT TIME 192.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC
 RL 151.43 LAL -.00 LOL 240.24 VL 26.789 GAL 4.85 AZL 92.79 HCA 243.39 SMA 128.20 ECC .19931 INC 2.7878 V1 29.423
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.873 GAP 6.79 AZP 88.75 TAL 159.76 TAP 43.15 RCA 102.65 APO 153.76 V2 35.257
 RC 125.861 GL -21.09 GP -7.77 ZAL 57.68 ZAP 151.53 ETS 346.32 ZAE 129.15 ETE 186.43 ZAC 115.34 ETC 13.01 CLP-152.52

PLANETOCENTRIC CONIC
 C3 13.022 VHL 3.609 DLA -21.33 RAL 175.96 RAD 6567.5 VEL 11.593 PTH 2.03 VHP 5.127 DPA 6.84 RAP 151.65 ECC 1.2143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 14 21 1381.39 5.57 353.26 31.98 117.81 10 37 23 781.4 9.25 346.51
 90.00 16 1 53 5496.24 28.30 254.59 37.62 89.10 17 33 29 4896.2 27.88 245.95
 100.00 11 21 7 1165.93 4.28 336.72 31.27 119.61 11 40 33 565.9 8.19 330.11
 100.00 17 37 48 5186.93 29.77 231.78 37.57 87.21 19 4 15 4586.9 29.07 223.05
 110.00 11 58 41 1048.19 1.17 325.86 29.33 124.17 12 16 9 448.2 5.64 319.63
 110.00 19 16 44 4877.44 33.42 207.89 37.18 82.36 20 38 1 4277.4 32.00 198.94

DIFFERENTIAL CORRECTIONS
 TOE-2.0887 TRA 1.9669 TC3-4.7203 BAU .8249
 RDE .0484 RRA .2353 RC3 -.4164 FAU .05958
 FDE-2.4849 FRA 2.5931 FC3-3.9613 BSP 18472
 BDE 2.0893 BRA 1.9809 BC3 4.7386 FSP -1907

MID-COURSE EXECUTION ACCURACY
 SGT 5817.6 SGR 507.0 SG3 568.4
 RRT .7165 RRF .6981 RTF .9836
 SGB 5839.6 R23 -.0132 R13 .9835
 SG1 5829.0 SG2 353.0 THA 3.59

ORBIT DETERMINATION ACCURACY
 ST 3467.1 SR 143.0 SS 1844.0
 CRT -.2681 CRS .2400 CST -.9995
 LSA 3926.8 MSA 146.0 SSA 17.0
 EL1 3467.3 EL2 137.8 ALF 179.37

LAUNCH DATE MAY 22 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC
 RL 151.43 LAL -.00 LOL 240.24 VL 26.765 GAL 5.16 AZL 92.85 HCA 246.64 SMA 128.04 ECC .20293 INC 2.8529 V1 29.423
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.857 GAP 7.22 AZP 88.87 TAL 158.85 TAP 45.49 RCA 102.06 APO 154.03 V2 35.258
 RC 128.066 GL -20.86 GP -7.25 ZAL 56.20 ZAP 153.42 ETS 346.08 ZAE 128.36 ETE 185.96 ZAC 113.87 ETC 13.20 CLP-154.36

PLANETOCENTRIC CONIC
 C3 13.885 VHL 3.726 DLA -21.75 RAL 177.50 RAD 6567.5 VEL 11.631 PTH 2.04 VHP 5.340 DPA 6.85 RAP 153.15 ECC 1.2285
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 25 43 1376.37 5.73 352.98 34.52 117.78 10 48 40 776.4 9.40 346.23
 90.00 16 2 45 5529.20 28.32 257.00 40.39 90.31 17 34 54 4929.2 28.06 248.35
 100.00 11 31 50 1162.98 4.38 336.55 33.78 119.60 11 51 13 563.0 8.29 329.95
 100.00 17 39 19 5217.83 29.85 234.08 40.37 88.41 19 6 17 4617.8 29.31 225.31
 110.00 12 8 17 1048.75 1.15 325.88 31.77 124.17 12 25 45 448.7 5.62 319.66
 110.00 19 19 22 4904.82 33.65 209.99 40.06 83.58 20 41 7 4304.8 32.39 200.98

DIFFERENTIAL CORRECTIONS
 TOE-2.1930 TRA 2.1321 TC3-4.5036 BAU .8388
 RDE .0726 RRA .2318 RC3 -.3700 FAU .05407
 FDE-2.3773 FRA 2.5499 FC3-3.3710 BSP 18797
 BDE 2.1942 BRA 2.1447 BC3 4.5187 FSP -1775

MID-COURSE EXECUTION ACCURACY
 SGT 5923.9 SGR 485.5 SG3 529.0
 RRT .6618 RRF .6406 RTF .9830
 SGB 5943.8 R23 -.0165 R13 .9830
 SG1 5932.7 SG2 363.4 THA 3.12

ORBIT DETERMINATION ACCURACY
 ST 3535.8 SR 160.5 SS 1785.0
 CRT -.4468 CRS .4211 CST -.9995
 LSA 3961.2 MSA 151.1 SSA 16.8
 EL1 3536.5 EL2 143.6 ALF 178.84

LAUNCH DATE MAY 22 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC
 RL 151.43 LAL -.00 LOL 240.24 VL 26.740 GAL 5.49 AZL 92.91 HCA 249.88 SMA 127.88 ECC .20682 INC 2.9149 V1 29.423
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.839 GAP 7.66 AZP 89.00 TAL 157.92 TAP 47.80 RCA 101.43 APO 154.32 V2 35.259
 RC 130.261 GL -20.57 GP -6.80 ZAL 54.71 ZAP 155.21 ETS 345.77 ZAE 127.64 ETE 185.55 ZAC 112.31 ETC 13.35 CLP-156.11

PLANETOCENTRIC CONIC
 C3 14.843 VHL 3.853 DLA -22.11 RAL 179.06 RAD 6567.6 VEL 11.672 PTH 2.05 VHP 5.562 DPA 6.76 RAP 154.72 ECC 1.2443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 36 1374.37 5.79 352.87 37.13 117.77 10 59 30 774.4 9.46 346.11
 90.00 16 4 19 5560.73 28.28 259.31 43.22 91.46 17 36 59 4960.7 28.19 250.65
 100.00 11 42 7 1162.88 4.38 336.55 36.36 119.60 12 1 30 562.9 8.29 329.94
 100.00 17 41 28 5247.44 29.89 236.28 43.24 89.57 19 8 56 4647.4 29.51 227.49
 110.00 12 17 33 1051.83 1.03 326.05 34.27 124.17 12 35 5 451.8 5.51 319.82
 110.00 19 22 32 4931.26 33.83 212.04 43.01 84.78 20 44 43 4331.3 32.74 202.97

DIFFERENTIAL CORRECTIONS
 TOE-2.2997 TRA 2.3052 TC3-4.2851 BAU .8528
 RDE .0963 RRA .2285 RC3 -.3293 FAU .04916
 FDE-2.2792 FRA 2.5084 FC3-2.8673 BSP 19159
 BDE 2.3017 BRA 2.3165 BC3 4.2978 FSP -1662

MID-COURSE EXECUTION ACCURACY
 SGT 6024.2 SGR 468.4 SG3 493.2
 RRT .6043 RRF .5805 RTF .9825
 SGB 6042.3 R23 -.0195 R13 .9825
 SG1 6030.8 SG2 372.8 THA 2.70

ORBIT DETERMINATION ACCURACY
 ST 3597.0 SR 180.7 SS 1729.4
 CRT -.5642 CRS .5410 CST -.9999
 LSA 3992.2 MSA 155.9 SSA 16.5
 EL1 3598.5 EL2 149.2 ALF 178.37

LAUNCH DATE MAY 22 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 551.559

RL 151.43 LAL -1.00 LOL 240.24 VL 26.714 GAL 5.85 AZL 92.97 HCA 253.13 SMA 127.71 ECC .21100 INC 2.9744 V1 29.423
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.821 GAP 8.11 AZP 89.14 TAL 156.97 TAP 50.10 RCA 100.76 APO 154.66 V2 35.259
 RC 132.447 GL -20.23 GP -6.39 ZAL 53.22 ZAP 156.91 ETS 345.40 ZAE 126.98 ETE 185.20 ZAC 110.69 ETC 13.46 CLP-157.77

PLANETOCENTRIC CONIC

C3 15.908 VHL 3.988 DLA -22.41 RAL 180.63 RAD 6567.6 VEL 11.717 PTH 2.06 VHP 5.793 DPA 6.59 RAP 156.34 ECC 1.2618
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 46 57 1375.37 5.76 352.92 39.79 117.77 11 9 52 775.4 9.43 346.17
 90.00 16 6 31 5590.90 28.21 261.51 46.10 92.57 17 39 42 4990.9 28.27 252.85
 100.00 11 51 56 1165.62 4.29 336.70 38.98 119.61 12 11 22 565.6 8.20 330.09
 100.00 17 44 13 5275.89 29.89 238.39 46.16 90.68 19 12 9 4675.9 29.66 229.60
 110.00 12 26 28 1057.39 .82 326.33 36.82 124.17 12 44 5 457.4 5.30 320.11
 110.00 19 26 11 4956.89 33.97 214.02 46.02 85.95 20 48 48 4356.9 33.04 204.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4056 TRA 2.4894 TC3-4.0581 BAU .8653 SGT 6114.3 SGR 454.7 SG3 460.1 ST 3646.7 SR 201.9 SS 1674.2
 RDE .1199 RRA .2254 RC3 -.2926 FAU .04462 RRT .5448 RRF .5187 RTF .9821 CRT -.6421 CRS .6211 CST -.9996
 FDE-2.1855 FRA 2.4714 FC3-2.4281 BSP 19494 SGB 6131.2 R23 -.0220 R13 .9820 LSA 4014.4 MSA 160.7 SSA 16.3
 BDE 2.4086 BRA 2.4996 BC3 4.0686 FSP -1556 SG1 6119.4 SG2 381.0 THA 2.33 EL1 3649.0 EL2 154.7 ALF 177.96

LAUNCH DATE MAY 22 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 557.425

RL 151.43 LAL -1.00 LOL 240.24 VL 26.688 GAL 6.23 AZL 93.03 HCA 256.38 SMA 127.54 ECC .21550 INC 3.0319 V1 29.423
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.802 GAP 8.58 AZP 89.29 TAL 156.01 TAP 52.39 RCA 100.05 APO 155.02 V2 35.258
 RC 134.624 GL -19.84 GP -6.03 ZAL 51.74 ZAP 158.53 ETS 344.96 ZAE 126.38 ETE 184.90 ZAC 109.00 ETC 13.54 CLP-159.36

PLANETOCENTRIC CONIC

C3 17.094 VHL 4.134 DLA -22.67 RAL 182.22 RAD 6567.7 VEL 11.768 PTH 2.08 VHP 6.035 DPA 6.34 RAP 158.03 ECC 1.2813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 56 46 1379.37 5.63 353.15 42.49 117.80 11 19 45 779.4 9.31 346.40
 90.00 16 9 21 5619.82 28.10 263.62 49.04 93.62 17 43 1 5019.8 28.31 254.96
 100.00 12 1 16 1171.14 4.10 337.00 41.65 119.64 12 20 47 571.1 8.02 330.40
 100.00 17 47 31 5303.28 29.85 240.43 49.13 91.75 19 15 54 4703.3 29.77 231.62
 110.00 12 35 1 1065.36 .51 326.75 39.41 124.18 12 52 46 465.4 4.99 320.53
 110.00 19 30 16 4981.82 34.07 215.96 49.08 87.09 20 53 18 4381.8 33.30 206.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5111 TRA 2.6861 TC3-3.8240 BAU .8759 SGT 6195.3 SGR 443.9 SG3 429.6 ST 3685.5 SR 223.0 SS 1619.8
 RDE .1437 RRA .2222 RC3 -.2593 FAU .04037 RRT .4841 RRF .4562 RTF .9816 CRT -.6951 CRS .6759 CST -.9996
 FDE-2.0963 FRA 2.4399 FC3-2.0447 BSP 19796 SGB 6211.2 R23 -.0239 R13 .9815 LSA 4028.5 MSA 165.6 SSA 16.0
 BDE 2.5152 BRA 2.6933 BC3 3.8328 FSP -1458 SG1 6199.0 SG2 388.2 THA 1.99 EL1 3688.7 EL2 160.2 ALF 177.59

LAUNCH DATE MAY 22 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 563.251

RL 151.43 LAL -1.00 LOL 240.24 VL 26.662 GAL 6.63 AZL 93.09 HCA 259.63 SMA 127.37 ECC .22033 INC 3.0878 V1 29.423
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.782 GAP 9.06 AZP 89.44 TAL 155.03 TAP 54.66 RCA 99.30 APO 155.43 V2 35.256
 RC 136.791 GL -19.42 GP -5.71 ZAL 50.26 ZAP 160.08 ETS 344.43 ZAE 125.83 ETE 184.64 ZAC 107.25 ETC 13.59 CLP-160.88

PLANETOCENTRIC CONIC

C3 18.418 VHL 4.292 DLA -22.88 RAL 183.80 RAD 6567.7 VEL 11.824 PTH 2.09 VHP 6.288 DPA 6.01 RAP 159.75 ECC 1.3031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 6 0 1386.33 5.41 353.54 45.22 117.84 11 29 6 786.3 9.10 346.80
 90.00 16 12 45 5647.54 27.97 265.64 52.03 94.62 17 46 52 5047.5 28.32 256.99
 100.00 12 10 6 1179.42 3.82 337.46 44.35 119.67 12 29 46 579.4 7.75 330.87
 100.00 17 51 20 5329.69 29.77 242.39 52.16 92.78 19 20 9 4729.7 29.84 233.58
 110.00 12 43 11 1075.72 .12 327.29 42.04 124.18 13 1 6 475.7 4.60 321.08
 110.00 19 34 44 5006.15 34.14 217.86 52.20 88.21 20 58 11 4406.2 33.52 208.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6141 TRA 2.8982 TC3-3.5808 BAU .8835 SGT 6266.1 SGR 435.2 SG3 401.5 ST 3711.6 SR 243.5 SS 1565.3
 RDE .1678 RRA .2189 RC3 -.2288 FAU .03633 RRT .4232 RRF .3941 RTF .9810 CRT -.7319 CRS .7140 CST -.9996
 FDE-2.0095 FRA 2.4152 FC3-1.7077 BSP 20007 SGB 6281.2 R23 -.0250 R13 .9810 LSA 4031.9 MSA 170.6 SSA 15.7
 BDE 2.6195 BRA 2.9065 BC3 3.5882 FSP -1362 SG1 6268.9 SG2 394.1 THA 1.69 EL1 3715.9 EL2 165.7 ALF 177.25

LAUNCH DATE MAY 22 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 569.032

RL 151.43 LAL -1.00 LOL 240.24 VL 26.635 GAL 7.06 AZL 93.14 HCA 262.87 SMA 127.19 ECC .22552 INC 3.1426 V1 29.423
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.761 GAP 9.55 AZP 89.61 TAL 154.05 TAP 56.92 RCA 98.51 APO 155.88 V2 35.254
 RC 138.949 GL -18.96 GP -5.42 ZAL 48.80 ZAP 161.56 ETS 343.81 ZAE 125.32 ETE 184.41 ZAC 105.46 ETC 13.62 CLP-162.34

PLANETOCENTRIC CONIC

C3 19.899 VHL 4.461 DLA -23.05 RAL 185.38 RAD 6567.8 VEL 11.886 PTH 2.11 VHP 6.552 DPA 5.63 RAP 161.52 ECC 1.3275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 14 38 1396.25 5.10 354.10 47.99 117.89 11 37 55 796.2 8.79 347.36
 90.00 16 16 41 5674.14 27.81 267.57 55.05 95.58 17 51 15 5074.1 28.29 258.94
 100.00 12 18 24 1190.42 3.45 338.07 47.08 119.71 12 38 15 590.4 7.38 331.48
 100.00 17 55 36 5355.20 29.68 244.28 55.23 93.77 19 24 51 4755.2 29.88 235.48
 110.00 12 50 56 1088.41 -.37 327.95 44.70 124.18 13 9 5 488.4 4.12 321.74
 110.00 19 39 33 5029.97 34.18 219.72 55.37 89.31 21 3 23 4430.0 33.70 210.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7213 TRA 3.1204 TC3-3.3439 BAU .8912 SGT 6331.5 SGR 428.0 SG3 375.7 ST 3732.6 SR 262.6 SS 1514.8
 RDE .1920 RRA .2150 RC3 -.2014 FAU .03272 RRT .3620 RRF .3321 RTF .9806 CRT -.7589 CRS .7422 CST -.9996
 FDE-1.9316 FRA 2.3915 FC3-1.4237 BSP 20273 SGB 6346.0 R23 -.0261 R13 .9806 LSA 4033.0 MSA 175.2 SSA 15.4
 BDE 2.7281 BRA 3.1278 BC3 3.3499 FSP -1279 SG1 6333.4 SG2 398.9 THA 1.41 EL1 3738.0 EL2 170.8 ALF 176.94

LAUNCH DATE MAY 22 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 574.762

RL 151.43 LAL -.00 LOL 240.24 VL 26.608 GAL 7.51 AZL 93.20 MCA 266.12 SMA 127.02 ECC .23110 INC 3.1965 V1 29.423
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.739 GAP 10.06 AZP 89.78 TAL 153.05 TAP 59.17 RCA 97.66 APO 156.37 V2 35.251
 RC 141.095 GL -18.47 GP -5.16 ZAL 47.36 ZAP 162.98 ETS 343.08 ZAE 124.85 ETE 184.20 ZAC 103.62 ETC 13.64 CLP-163.76

PLANETOCENTRIC CONIC

C3 21.558 VHL 4.643 DLA -23.17 RAL 186.94 RAD 6567.9 VEL 11.956 PTH 2.13 VHP 6.830 DPA 5.18 RAP 163.31 ECC 1.3548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 22 40 1409.08 4.69 354.82 50.78 117.96 11 46 9 809.1 8.39 348.10
 90.00 16 21 8 5699.68 27.62 269.42 58.12 96.48 17 56 7 5099.7 28.24 260.80
 100.00 12 26 11 1204.09 2.99 338.82 49.84 119.76 12 46 15 604.1 6.93 332.25
 100.00 18 0 18 5379.90 29.55 246.10 58.34 94.73 19 29 58 4779.9 29.89 237.32
 110.00 12 58 18 1103.39 -.94 328.73 47.39 124.17 13 16 41 503.4 3.55 322.53
 110.00 19 44 41 5053.37 34.18 221.55 58.58 90.40 21 8 54 4453.4 33.86 212.32

DIFFERENTIAL CORRECTIONS

TDE-2.8292 TRA 3.3572 TC3-3.1061 BAU .8967
 RDE .2166 RRA .2105 RC3 -.1763 FAU .02935
 FDE-1.8583 FRA 2.3719 FC3-1.1784 BSP 20513
 BDE 2.8375 BRA 3.3638 BC3 3.1111 FSP -1202

MID-COURSE EXECUTION ACCURACY

SGT 6388.7 SGR 422.0 SG3 351.9
 RRT .3013 RRF .2709 RTF .9802
 SGB 6402.6 R23 -.0268 R13 .9802
 SG1 6390.0 SG2 402.3 THA 1.14

ORBIT DETERMINATION ACCURACY

ST 3744.9 SR 280.5 SS 1466.0
 CRT -.7790 CRS .7633 CST -.9996
 LSA 4027.3 MSA 179.5 SSA 15.1
 EL1 3751.2 EL2 175.6 ALF 176.65

LAUNCH DATE MAY 22 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 580.438

RL 151.43 LAL -.00 LOL 240.24 VL 26.580 GAL 8.00 AZL 93.25 MCA 269.36 SMA 126.84 ECC .23712 INC 3.2501 V1 29.423
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.716 GAP 10.59 AZP 89.96 TAL 152.06 TAP 61.42 RCA 96.76 APO 156.92 V2 35.247
 RC 143.232 GL -17.96 GP -4.92 ZAL 45.94 ZAP 164.35 ETS 342.21 ZAE 124.42 ETE 184.01 ZAC 101.75 ETC 13.65 CLP-165.13

PLANETOCENTRIC CONIC

C3 23.423 VHL 4.840 DLA -23.26 RAL 188.48 RAD 6568.0 VEL 12.033 PTH 2.15 VHP 7.122 DPA 4.69 RAP 165.14 ECC 1.3855
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 30 5 1424.79 4.19 355.70 53.58 118.03 11 53 50 824.8 7.90 348.99
 90.00 16 26 2 5724.23 27.42 271.18 61.22 97.35 18 1 26 5124.2 28.16 262.59
 100.00 12 33 24 1220.40 2.44 339.71 52.62 119.80 12 53 45 620.4 6.39 333.15
 100.00 18 5 24 5403.86 29.40 247.87 61.48 95.64 19 35 28 4803.9 29.87 239.10
 110.00 13 5 14 1120.60 -1.60 329.63 50.10 124.15 13 23 54 520.6 2.89 323.43
 110.00 19 50 4 5076.41 34.16 223.35 61.83 91.46 21 14 40 4476.4 33.98 214.11

DIFFERENTIAL CORRECTIONS

TDE-2.9391 TRA 3.6092 TC3-2.8710 BAU .9003
 RDE .2416 RRA .2052 RC3 -.1535 FAU .02621
 FDE-1.7903 FRA 2.3561 FC3 -.9688 BSP 20733
 BDE 2.9490 BRA 3.6150 BC3 2.8751 FSP -1131

MID-COURSE EXECUTION ACCURACY

SGT 6438.8 SGR 416.9 SG3 330.0
 RRT .2410 RRF .2108 RTF .9800
 SGB 6452.3 R23 -.0272 R13 .9799
 SG1 6439.6 SG2 404.6 THA .90

ORBIT DETERMINATION ACCURACY

ST 3749.7 SR 296.9 SS 1419.6
 CRT -.7944 CRS .7796 CST -.9996
 LSA 4016.2 MSA 183.5 SSA 14.8
 EL1 3757.1 EL2 180.0 ALF 176.39

LAUNCH DATE MAY 22 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 586.053

RL 151.43 LAL -.00 LOL 240.24 VL 26.553 GAL 8.52 AZL 93.30 MCA 272.61 SMA 126.66 ECC .24361 INC 3.3036 V1 29.423
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.692 GAP 11.15 AZP 90.15 TAL 151.06 TAP 63.67 RCA 95.81 APO 157.52 V2 35.243
 RC 145.356 GL -17.43 GP -4.71 ZAL 44.55 ZAP 165.68 ETS 341.17 ZAE 124.01 ETE 183.84 ZAC 99.84 ETC 13.65 CLP-166.46

PLANETOCENTRIC CONIC

C3 25.522 VHL 5.052 DLA -23.31 RAL 190.00 RAD 6568.0 VEL 12.120 PTH 2.17 VHP 7.430 DPA 4.15 RAP 166.99 ECC 1.4200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 36 52 1443.30 3.59 356.74 56.40 118.11 12 0 55 843.3 7.32 350.04
 90.00 16 31 22 5747.88 27.21 272.88 64.35 98.17 18 7 10 5147.9 28.06 264.32
 100.00 12 40 5 1239.25 1.80 340.75 55.41 119.84 13 0 44 639.3 5.76 334.20
 100.00 18 10 50 5427.16 29.23 249.58 64.65 96.53 19 41 17 4827.2 29.83 240.83
 110.00 13 11 44 1139.99 -2.34 330.64 52.82 124.11 13 30 44 540.0 2.15 324.44
 110.00 19 55 40 5099.19 34.10 225.12 65.10 92.51 21 20 39 4499.2 34.07 215.88

DIFFERENTIAL CORRECTIONS

TDE-3.0465 TRA 3.8819 TC3-2.6320 BAU .8992
 RDE .2672 RRA .1989 RC3 -.1326 FAU .02312
 FDE-1.7235 FRA 2.3472 FC3 -.7843 BSP 20828
 BDE 3.0582 BRA 3.8870 BC3 2.6354 FSP -1058

MID-COURSE EXECUTION ACCURACY

SGT 6480.0 SGR 412.5 SG3 309.7
 RRT .1821 RRF .1527 RTF .9796
 SGB 6493.2 R23 -.0268 R13 .9796
 SG1 6480.5 SG2 405.6 THA .67

ORBIT DETERMINATION ACCURACY

ST 3743.4 SR 311.9 SS 1373.4
 CRT -.8058 CRS .7915 CST -.9997
 LSA 3995.1 MSA 187.6 SSA 14.5
 EL1 3751.8 EL2 184.3 ALF 176.15

LAUNCH DATE MAY 22 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 591.598

RL 151.43 LAL -.00 LOL 240.24 VL 26.525 GAL 9.08 AZL 93.36 MCA 275.85 SMA 126.49 ECC .25062 INC 3.3573 V1 29.423
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.668 GAP 11.73 AZP 90.34 TAL 150.06 TAP 65.92 RCA 94.79 APO 158.19 V2 35.237
 RC 147.469 GL -16.88 GP -4.52 ZAL 43.19 ZAP 166.96 ETS 339.93 ZAE 123.62 ETE 183.68 ZAC 97.91 ETC 13.64 CLP-167.75

PLANETOCENTRIC CONIC

C3 27.892 VHL 5.281 DLA -23.32 RAL 191.49 RAD 6568.1 VEL 12.217 PTH 2.20 VHP 7.755 DPA 3.57 RAP 168.85 ECC 1.4590
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 43 2 1464.54 2.91 357.92 59.22 118.18 12 7 26 864.5 6.66 351.25
 90.00 16 37 5 5770.70 26.97 274.51 67.51 98.96 18 13 15 5170.7 27.94 265.98
 100.00 12 46 13 1260.60 1.08 341.92 58.20 119.87 13 7 13 660.6 5.05 335.38
 100.00 18 16 35 5449.87 29.05 251.24 67.85 97.39 19 47 25 4849.9 29.77 242.51
 110.00 13 17 49 1161.80 -3.16 331.77 55.56 124.05 13 37 10 561.5 1.33 325.56
 110.00 20 1 28 5121.73 34.02 226.88 68.41 93.55 21 26 50 4521.7 34.14 217.64

DIFFERENTIAL CORRECTIONS

TDE-3.1619 TRA 4.1673 TC3-2.4063 BAU .8983
 RDE .2932 RRA .1914 RC3 -.1139 FAU .02039
 FDE-1.6655 FRA 2.3387 FC3 -.6330 BSP 21024
 BDE 3.1755 BRA 4.1717 BC3 2.4090 FSP -998

MID-COURSE EXECUTION ACCURACY

SGT 6516.6 SGR 408.4 SG3 291.0
 RRT .1231 RRF .0947 RTF .9795
 SGB 6529.4 R23 -.0265 R13 .9795
 SG1 6516.8 SG2 405.3 THA .44

ORBIT DETERMINATION ACCURACY

ST 3735.6 SR 325.3 SS 1332.1
 CRT -.8154 CRS .8018 CST -.9997
 LSA 3974.7 MSA 190.8 SSA 14.1
 EL1 3745.0 EL2 187.8 ALF 175.93

LAUNCH DATE MAY 22 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 597.065

RL 151.43 LAL -.00 LOL 240.24 VL 26.498 GAL 9.67 AZL 93.41 HCA 279.10 SMA 126.31 ECC .25820 INC 3.4117 V1 29.423
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.643 GAP 12.34 AZP 90.54 TAL 149.07 TAP 68.17 RCA 93.70 APO 158.92 V2 35.231
 RC 149.570 GL -16.33 GP -4.35 ZAL 41.86 ZAP 168.21 ETS 338.42 ZAE 123.24 ETE 183.53 ZAC 95.96 ETC 13.64 CLP-169.03

PLANETOCENTRIC CONIC

C3 30.574 VHL 5.529 DLA -23.31 RAL 192.94 RAD 6568.2 VEL 12.327 PTH 2.22 VHP 8.101 DPA 2.95 RAP 170.73 ECC 1.5032
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 48 34 1488.41 2.14 359.26 62.04 118.24 12 13 22 888.4 5.90 352.60
 90.00 16 43 8 5792.76 26.73 276.08 70.69 99.71 18 19 41 5192.8 27.80 267.58
 100.00 12 51 47 1284.36 .27 343.22 61.00 119.89 13 13 11 684.4 4.25 336.69
 100.00 18 22 36 5472.05 28.84 252.86 71.07 98.21 19 53 48 4872.1 29.68 244.16
 110.00 13 23 27 1185.07 -4.06 333.00 58.30 123.97 13 43 12 585.1 .43 326.79
 110.00 20 7 25 5144.10 33.91 228.62 71.73 94.57 21 33 9 4544.1 34.17 219.38

DIFFERENTIAL CORRECTIONS

TDE-3.2806 TRA 4.4716 TC3-2.1860 BAU .8944
 RDE .3198 RRA .1824 RC3 -.0971 FAU .01782
 FDE-1.6118 FRA 2.3342 FC3 -.5045 BSP 21193
 BDE 3.2961 BRA 4.4753 BC3 2.1882 FSP -941

MID-COURSE EXECUTION ACCURACY

SGT 6546.2 SGR 404.6 SG3 273.7
 RRT .0649 RRF .0379 RTF .9795
 SGB 6558.7 R23 -.0259 R13 .9795
 SG1 6546.3 SG2 403.7 THA .23

ORBIT DETERMINATION ACCURACY

ST 3721.8 SR 337.1 SS 1293.2
 CRT -.8232 CRS .8102 CST -.9997
 LSA 3949.7 MSA 193.5 SSA 13.8
 EL1 3732.1 EL2 190.8 ALF 175.73

LAUNCH DATE MAY 22 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 602.442

RL 151.43 LAL -.00 LOL 240.24 VL 26.470 GAL 10.31 AZL 93.47 HCA 282.34 SMA 126.13 ECC .26642 INC 3.4670 V1 29.423
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.617 GAP 12.98 AZP 90.74 TAL 148.09 TAP 70.43 RCA 92.53 APO 159.74 V2 35.225
 RC 151.657 GL -15.76 GP -4.19 ZAL 40.57 ZAP 169.42 ETS 336.57 ZAE 122.88 ETE 183.39 ZAC 94.00 ETC 13.65 CLP-170.27

PLANETOCENTRIC CONIC

C3 33.618 VHL 5.798 DLA -23.26 RAL 194.36 RAD 6568.3 VEL 12.449 PTH 2.25 VHP 8.468 DPA 2.30 RAP 172.62 ECC 1.5533
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 53 29 1514.82 1.29 .73 64.86 118.29 12 18 44 914.8 5.06 354.08
 90.00 16 49 29 5814.14 26.48 277.59 73.88 100.43 18 26 23 5214.1 27.65 269.12
 100.00 12 56 49 1310.42 -.61 344.65 63.80 119.89 13 18 39 710.4 3.37 338.13
 100.00 18 28 50 5493.77 28.62 254.44 74.30 99.02 20 0 24 4893.8 29.57 245.76
 110.00 13 28 39 1210.61 -5.03 334.34 61.05 123.86 13 48 49 610.6 -.55 328.12
 110.00 20 13 30 5166.34 33.78 230.34 75.07 95.58 21 39 36 4566.3 34.18 221.12

DIFFERENTIAL CORRECTIONS

TDE-3.4032 TRA 4.7971 TC3-1.9719 BAU .8870
 RDE .3469 RRA .1720 RC3 -.0821 FAU .01537
 FDE-1.5627 FRA 2.3339 FC3 -.3959 BSP 21333
 BDE 3.4208 BRA 4.8002 BC3 1.9736 FSP -888

MID-COURSE EXECUTION ACCURACY

SGT 6569.6 SGR 400.9 SG3 257.7
 RRT .0073 RRF -.0178 RTF .9796
 SGB 6581.8 R23 -.0250 R13 .9796
 SG1 6569.6 SG2 400.9 THA .03

ORBIT DETERMINATION ACCURACY

ST 3702.7 SR 347.2 SS 1257.0
 CRT -.8296 CRS .8171 CST -.9997
 LSA 3920.7 MSA 195.8 SSA 13.5
 EL1 3713.9 EL2 193.3 ALF 175.54

LAUNCH DATE MAY 22 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 607.716

RL 151.43 LAL -.00 LOL 240.24 VL 26.442 GAL 11.00 AZL 93.52 HCA 285.58 SMA 125.96 ECC .27534 INC 3.5236 V1 29.423
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.591 GAP 13.66 AZP 90.95 TAL 147.13 TAP 72.71 RCA 91.28 APO 160.64 V2 35.217
 RC 153.730 GL -15.19 GP -4.05 ZAL 39.32 ZAP 170.60 ETS 334.25 ZAE 122.53 ETE 183.25 ZAC 92.02 ETC 13.65 CLP-171.51

PLANETOCENTRIC CONIC

C3 37.085 VHL 6.090 DLA -23.18 RAL 195.73 RAD 6568.4 VEL 12.588 PTH 2.28 VHP 8.860 DPA 1.63 RAP 174.51 ECC 1.6103
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 57 49 1543.64 .36 2.34 67.67 118.31 12 23 32 943.6 4.14 355.70
 90.00 16 56 5 5834.89 26.21 279.06 77.09 101.11 18 33 20 5234.9 27.48 270.62
 100.00 13 1 18 1338.70 -1.57 346.21 66.60 119.85 13 23 37 738.7 2.41 339.68
 100.00 18 35 16 5515.07 28.38 255.98 77.54 99.79 20 7 11 4915.1 29.44 247.33
 110.00 13 33 24 1238.06 -6.07 335.79 63.81 123.71 13 54 2 638.1 -1.60 329.56
 110.00 20 19 40 5188.47 33.62 232.05 78.42 96.58 21 46 8 4588.5 34.16 222.85

DIFFERENTIAL CORRECTIONS

TDE-3.5304 TRA 5.1449 TC3-1.7651 BAU .8758
 RDE .3746 RRA .1597 RC3 -.0688 FAU .01305
 FDE-1.5175 FRA 2.3378 FC3 -.3046 BSP 21449
 BDE 3.5502 BRA 5.1474 BC3 1.7664 FSP -837

MID-COURSE EXECUTION ACCURACY

SGT 6586.4 SGR 397.4 SG3 242.9
 RRT -.0496 RRF -.0725 RTF .9798
 SGB 6598.4 R23 .0238 R13 -.9798
 SG1 6586.5 SG2 396.9 THA 179.83

ORBIT DETERMINATION ACCURACY

ST 3678.7 SR 355.8 SS 1223.4
 CRT -.8350 CRS .8229 CST -.9997
 LSA 3888.0 MSA 197.5 SSA 13.1
 EL1 3690.7 EL2 195.2 ALF 175.37

LAUNCH DATE MAY 22 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 612.873

RL 151.43 LAL -.00 LOL 240.24 VL 26.415 GAL 11.74 AZL 93.58 HCA 288.82 SMA 125.78 ECC .28505 INC 3.5821 V1 29.423
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.564 GAP 14.38 AZP 91.16 TAL 146.19 TAP 75.01 RCA 89.93 APO 161.64 V2 35.210
 RC 155.789 GL -14.61 GP -3.91 ZAL 38.11 ZAP 171.75 ETS 331.27 ZAE 122.17 ETE 183.13 ZAC 90.03 ETC 13.67 CLP-172.73

PLANETOCENTRIC CONIC

C3 41.047 VHL 6.407 DLA -23.07 RAL 197.05 RAD 6568.6 VEL 12.744 PTH 2.32 VHP 9.281 DPA .93 RAP 176.41 ECC 1.6755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 1 32 1574.75 -.64 4.07 70.47 118.31 12 27 47 974.8 3.14 357.44
 90.00 17 2 54 5855.06 25.94 280.47 80.29 101.77 18 40 29 5255.1 27.30 272.07
 100.00 13 5 15 1369.08 -2.60 347.87 69.38 119.79 13 28 4 769.1 1.38 341.35
 100.00 18 41 52 5535.97 28.13 257.48 80.78 100.54 20 14 8 4936.0 29.30 248.87
 110.00 13 37 42 1267.32 -7.17 337.34 66.56 123.51 13 58 50 667.3 -2.71 331.08
 110.00 20 25 54 5210.49 33.43 233.74 81.76 97.57 21 52 44 4610.5 34.12 224.57

DIFFERENTIAL CORRECTIONS

TDE-3.6607 TRA 5.5207 TC3-1.5633 BAU .8585
 RDE .4029 RRA .1455 RC3 -.0571 FAU .01076
 FDE-1.4753 FRA 2.3477 FC3 -.2269 BSP 21468
 BDE 3.6828 BRA 5.5226 BC3 1.5644 FSP -787

MID-COURSE EXECUTION ACCURACY

SGT 6597.5 SGR 393.9 SG3 229.1
 RRT -.1054 RRF -.1257 RTF .9801
 SGB 6609.3 R23 .0222 R13 -.9801
 SG1 6597.6 SG2 391.7 THA 179.64

ORBIT DETERMINATION ACCURACY

ST 3648.7 SR 362.8 SS 1192.0
 CRT -.8394 CRS .8276 CST -.9997
 LSA 3850.4 MSA 198.7 SSA 12.8
 EL1 3661.4 EL2 196.5 ALF 175.21

LAUNCH DATE MAY 23 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 1 1967

HELIOCENTRIC CONIC

DISTANCE 141.408

RL 151.46 LAL -.00 LOL 241.20 VL 18.700 GAL 12.69 AZL 92.50 HCA 48.96 SMA 94.61 ECC .62603 INC 2.5018 V1 29.417
 RP 108.90 LAP -1.89 LOP 290.13 VP 32.166 GAP -37.92 AZP 91.64 TAL 172.15 TAP 221.11 RCA 35.38 APO 153.83 V2 34.800
 RC 58.919 GL -3.86 GP 1.36 ZAL 71.38 ZAP 25.44 ETS 184.61 ZAE 151.58 ETE 164.55 ZAC 127.93 ETC 21.02 CLP 25.41

PLANETOCENTRIC CONIC

C3 140.106 VHL 11.837 DLA .47 RAL 169.17 RAD 6570.5 VEL 16.169 PTH 2.84 VHP 21.986 DPA 20.27 RAP 139.30 ECC 3.3058
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 35 2687.01 -27.54 73.62 63.69 96.87 7 19 22 2087.0 -26.30 65.18
 90.00 18 39 33 5302.02 27.28 240.49 63.22 82.11 20 7 55 4702.0 25.91 232.09
 100.00 7 56 9 2423.92 -29.06 54.06 63.48 97.35 8 36 32 1823.9 -27.73 45.51
 100.00 20 0 41 5040.33 28.80 221.00 62.98 81.62 21 24 41 4440.3 27.34 212.51
 110.00 9 4 53 2208.75 -33.18 37.05 62.80 98.73 9 41 42 1608.7 -31.62 28.17
 110.00 21 8 25 4828.28 32.91 204.14 62.21 80.20 22 28 54 4228.3 31.21 195.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6041 TRA-1.4726 TC3 -.1016 BAU .1959 SGT 807.1 SGR 450.7 SG3 32.8 ST 362.4 SR 401.0 SS 335.7
 RDE -.8184 RRA -.4272 RC3 .0249 FAU .01424 RRT .0479 RRF -.0449 RTF -.6285 CRT -.7061 CRS -.7989 CST .9883
 FDE -.3221 FRA .5712 FC3 -.0880 BSP 2093 SGB 924.5 R23 -.0012 R13 -.6286 LSA 596.4 MSA 221.2 SSA 13.9
 BDE 1.0172 BRA 1.5333 BC3 .1046 FSP -68 SG1 807.6 SG2 450.0 THA 2.22 EL1 499.7 EL2 205.9 ALF 130.91

LAUNCH DATE MAY 23 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC

DISTANCE 147.473

RL 151.46 LAL -.00 LOL 241.20 VL 19.333 GAL 12.18 AZL 92.58 HCA 52.12 SMA 96.26 ECC .59896 INC 2.5842 V1 29.417
 RP 108.91 LAP -2.04 LOP 293.29 VP 32.533 GAP -36.12 AZP 91.59 TAL 171.55 TAP 223.67 RCA 38.60 APO 153.91 V2 34.795
 RC 57.057 GL -4.36 GP 1.41 ZAL 70.46 ZAP 23.91 ETS 184.83 ZAE 152.55 ETE 162.85 ZAC 126.37 ETC 20.53 CLP 23.87

PLANETOCENTRIC CONIC

C3 125.840 VHL 11.218 DLA -.36 RAL 169.83 RAD 6570.3 VEL 15.722 PTH 2.79 VHP 21.058 DPA 19.86 RAP 140.98 ECC 3.0710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 22 2640.90 -27.12 70.32 62.39 98.48 7 27 23 2040.9 -25.67 61.95
 90.00 18 36 6 5307.13 27.33 240.86 62.74 82.29 20 4 33 4707.1 25.98 232.45
 100.00 8 4 33 2379.05 -28.62 50.80 62.13 99.02 8 44 12 1779.0 -27.08 42.34
 100.00 19 57 36 5044.21 28.84 221.29 62.51 81.76 21 21 41 4444.2 27.40 212.78
 110.00 9 12 25 2166.62 -32.70 33.86 61.31 100.57 9 48 31 1566.6 -30.90 25.10
 110.00 21 6 14 4829.40 32.92 204.23 61.75 80.24 22 26 43 4229.4 31.23 195.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6047 TRA-1.4670 TC3 -.1048 BAU .1829 SGT 843.9 SGR 455.5 SG3 35.7 ST 382.1 SR 404.0 SS 354.7
 RDE -.7813 RRA -.4110 RC3 .0287 FAU .01453 RRT .0492 RRF -.0469 RTF -.6486 CRT -.7068 CRS -.8022 CST .9878
 FDE -.3380 FRA .5897 FC3 -.1000 BSP 2248 SGB 959.0 R23 -.0019 R13 -.6488 LSA 619.4 MSA 226.0 SSA 14.1
 BDE .9879 BRA 1.5235 BC3 .1087 FSP -76 SG1 844.3 SG2 454.7 THA 2.14 EL1 513.8 EL2 212.5 ALF 132.74

LAUNCH DATE MAY 23 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 153.615

RL 151.46 LAL -.00 LOL 241.20 VL 19.923 GAL 11.68 AZL 92.66 HCA 55.28 SMA 97.90 ECC .57270 INC 2.6598 V1 29.417
 RP 108.92 LAP -2.19 LOP 296.45 VP 32.883 GAP -34.41 AZP 91.52 TAL 170.98 TAP 226.26 RCA 41.83 APO 153.97 V2 34.792
 RC 55.270 GL -4.88 GP 1.46 ZAL 69.60 ZAP 22.40 ETS 185.11 ZAE 153.63 ETE 160.90 ZAC 124.80 ETC 20.06 CLP 22.36

PLANETOCENTRIC CONIC

C3 113.094 VHL 10.635 DLA -1.19 RAL 170.43 RAD 6570.1 VEL 15.311 PTH 2.74 VHP 20.165 DPA 19.44 RAP 142.67 ECC 2.8612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 52 2593.93 -26.60 66.97 60.98 100.08 7 35 6 1993.9 -24.94 58.70
 90.00 18 32 20 5311.40 27.37 241.17 62.13 82.44 20 0 51 4711.4 26.04 232.75
 100.00 8 12 39 2333.32 -28.09 47.50 60.68 100.67 8 51 32 1733.3 -26.33 39.14
 100.00 19 54 14 5047.25 28.87 221.51 61.89 81.88 21 18 21 4447.2 27.44 212.99
 110.00 9 19 38 2123.65 -32.12 30.64 59.73 102.39 9 55 2 1523.7 -30.08 22.02
 110.00 21 3 44 4829.68 32.93 204.25 61.15 80.26 22 24 14 4229.7 31.23 195.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6032 TRA-1.4629 TC3 -.1081 BAU .1709 SGT 883.1 SGR 459.6 SG3 38.9 ST 402.0 SR 406.3 SS 374.3
 RDE -.7448 RRA -.3947 RC3 .0331 FAU .01484 RRT .0520 RRF -.0493 RTF -.6670 CRT -.7061 CRS -.8052 CST .9870
 FDE -.3542 FRA .6086 FC3 -.1136 BSP 2355 SGB 995.6 R23 -.0018 R13 -.6672 LSA 642.9 MSA 230.7 SSA 14.4
 BDE .9584 BRA 1.5152 BC3 .1130 FSP -84 SG1 883.6 SG2 458.7 THA 2.12 EL1 527.9 EL2 219.1 ALF 134.57

LAUNCH DATE MAY 23 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 159.828

RL 151.46 LAL -.00 LOL 241.20 VL 20.472 GAL 11.18 AZL 92.73 HCA 58.44 SMA 99.53 ECC .54732 INC 2.7298 V1 29.417
 RP 108.93 LAP -2.33 LOP 299.61 VP 33.216 GAP -32.79 AZP 91.43 TAL 170.43 TAP 228.87 RCA 45.06 APO 154.01 V2 34.789
 RC 53.566 GL -5.44 GP 1.51 ZAL 68.83 ZAP 20.90 ETS 185.44 ZAE 154.82 ETE 158.63 ZAC 123.21 ETC 19.61 CLP 20.85

PLANETOCENTRIC CONIC

C3 101.697 VHL 10.084 DLA -2.01 RAL 170.94 RAD 6570.0 VEL 14.934 PTH 2.69 VHP 19.305 DPA 19.00 RAP 144.36 ECC 2.6737
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 3 2546.12 -25.99 63.61 59.47 101.66 7 42 29 1946.1 -24.12 55.44
 90.00 18 28 14 5314.94 27.40 241.42 61.37 82.57 19 56 49 4714.9 26.09 233.00
 100.00 8 20 27 2286.75 -27.46 44.19 59.12 102.31 8 58 34 1686.8 -25.48 35.94
 100.00 19 50 31 5049.54 28.89 221.67 61.14 81.96 21 14 40 4449.5 27.47 213.16
 110.00 9 26 33 2079.85 -31.43 27.41 58.05 104.19 10 1 13 1479.9 -29.16 18.94
 110.00 21 0 55 4829.21 32.92 204.21 60.40 80.24 22 21 24 4229.2 31.23 195.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6039 TRA-1.4561 TC3 -.1097 BAU .1578 SGT 923.0 SGR 462.9 SG3 42.3 ST 423.6 SR 407.9 SS 394.9
 RDE -.7088 RRA -.3782 RC3 .0380 FAU .01520 RRT .0536 RRF -.0515 RTF -.6857 CRT -.7071 CRS -.8085 CST .9865
 FDE -.3714 FRA .6274 FC3 -.1294 BSP 2515 SGB 1032.5 R23 -.0025 R13 -.6858 LSA 668.2 MSA 234.5 SSA 14.6
 BDE .9312 BRA 1.5044 BC3 .1160 FSP -93 SG1 923.4 SG2 462.0 THA 2.05 EL1 543.4 EL2 224.8 ALF 136.53

LAUNCH DATE MAY 23 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 166.107

RL 151.46 LAL -0.00 LOL 241.20 VL 20.984 GAL 10.69 AZL 92.80 MCA 61.60 SMA 101.14 ECC .52285 INC 2.7952 V1 29.417
 RP 108.94 LAP -2.46 LOP 302.77 VP 33.532 GAP -31.24 AZP 91.33 TAL 169.91 TAP 231.52 RCA 48.26 APO 154.02 V2 34.786
 RC 51.953 GL -6.03 GP 1.57 ZAL 68.13 ZAP 19.42 ETS 185.85 ZAE 156.11 ETE 155.98 ZAC 121.61 ETC 19.18 CLP 19.36

PLANETOCENTRIC CONIC

C3 91.501 VHL 9.566 DLA -2.84 RAL 171.37 RAD 6569.8 VEL 14.589 PTH 2.64 VHP 18.478 DPA 18.55 RAP 146.06 ECC 2.5059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 57 2497.49 -25.28 60.23 57.86 103.21 7 49 34 1897.5 -23.21 52.17
 90.00 18 23 47 5317.86 27.43 241.63 60.47 82.67 19 52 25 4717.9 26.13 233.20
 100.00 8 27 58 2239.37 -26.72 40.86 57.47 103.92 9 5 17 1639.4 -24.55 32.73
 100.00 19 46 27 5051.21 28.90 221.80 60.25 82.02 21 10 38 4451.2 27.50 213.27
 110.00 9 33 10 2035.26 -30.64 24.17 56.28 105.95 10 7 5 1435.3 -28.15 15.86
 110.00 20 57 44 4828.09 32.91 204.13 59.52 80.19 22 18 12 4228.1 31.21 195.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6049 TRA-1.4481 TC3 -.1099 BAU .1445 SGT 964.2 SGR 465.5 SG3 46.1 ST 446.3 SR 408.6 SS 416.5
 RDE -.6735 RRA -.3617 RC3 .0434 FAU .01559 RRT .0551 RRF -.0538 RTF -.7037 CRT -.7086 CRS -.8120 CST .9860
 FDE -.3896 FRA .6461 FC3 -.1475 BSP 2684 SGB 1070.7 R23 -.0033 R13 -.7039 LSA 694.9 MSA 237.6 SSA 14.8
 BDE .9053 BRA 1.4925 BC3 .1181 FSP -103 SG1 964.6 SG2 464.6 THA 1.98 EL1 559.8 EL2 229.9 ALF 138.55

LAUNCH DATE MAY 23 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 172.447

RL 151.46 LAL -0.00 LOL 241.20 VL 21.462 GAL 10.20 AZL 92.86 MCA 64.76 SMA 102.73 ECC .49931 INC 2.8569 V1 29.417
 RP 108.94 LAP -2.58 LOP 305.94 VP 33.831 GAP -29.77 AZP 91.22 TAL 169.43 TAP 234.19 RCA 51.43 APO 154.02 V2 34.785
 RC 50.440 GL -6.66 GP 1.63 ZAL 67.51 ZAP 17.94 ETS 186.36 ZAE 157.49 ETE 152.83 ZAC 119.99 ETC 18.78 CLP 17.87

PLANETOCENTRIC CONIC

C3 82.376 VHL 9.076 DLA -3.68 RAL 171.72 RAD 6569.6 VEL 14.273 PTH 2.60 VHP 17.680 DPA 18.09 RAP 147.76 ECC 2.3557
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 33 2448.07 -24.46 56.83 56.17 104.72 7 56 21 1848.1 -22.20 48.89
 90.00 18 18 58 5320.29 27.45 241.81 59.45 82.75 19 47 38 4720.3 26.16 233.37
 100.00 8 35 11 2191.22 -25.89 37.52 55.75 105.48 9 11 42 1591.2 -23.52 29.53
 100.00 19 42 1 5052.38 28.91 221.88 59.23 82.07 21 6 14 4452.4 27.52 213.36
 110.00 9 39 29 1989.92 -29.75 20.94 54.45 107.67 10 12 39 1389.9 -27.05 12.80
 110.00 20 54 13 4826.44 32.89 204.00 58.50 80.12 22 14 39 4226.4 31.18 195.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6060 TRA-1.4391 TC3 -.1086 BAU .1315 SGT 1007.0 SGR 467.4 SG3 50.2 ST 470.1 SR 408.6 SS 439.1
 RDE -.6389 RRA -.3452 RC3 .0495 FAU .01603 RRT .0569 RRF -.0563 RTF -.7209 CRT -.7102 CRS -.8156 CST .9854
 FDE -.4089 FRA .6651 FC3 -.1684 BSP 2851 SGB 1110.1 R23 -.0041 R13 -.7210 LSA 723.1 MSA 240.2 SSA 15.0
 BDE .8806 BRA 1.4799 BC3 .1194 FSP -114 SG1 1007.4 SG2 466.4 THA 1.93 EL1 577.1 EL2 234.3 ALF 140.60

LAUNCH DATE MAY 23 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 178.843

RL 151.46 LAL -0.00 LOL 241.20 VL 21.907 GAL 9.72 AZL 92.92 MCA 67.93 SMA 104.29 ECC .47674 INC 2.9153 V1 29.417
 RP 108.94 LAP -2.70 LOP 309.10 VP 34.114 GAP -28.37 AZP 91.10 TAL 168.98 TAP 236.90 RCA 54.57 APO 154.00 V2 34.784
 RC 49.035 GL -7.32 GP 1.70 ZAL 66.97 ZAP 16.48 ETS 186.98 ZAE 158.94 ETE 149.07 ZAC 118.36 ETC 18.40 CLP 16.39

PLANETOCENTRIC CONIC

C3 74.210 VHL 8.615 DLA -4.51 RAL 171.99 RAD 6569.4 VEL 13.984 PTH 2.55 VHP 16.911 DPA 17.62 RAP 149.46 ECC 2.2213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 54 2397.89 -23.55 53.44 54.41 106.19 8 2 52 1797.9 -21.11 45.62
 90.00 18 13 44 5322.40 27.47 241.96 58.30 82.83 19 42 26 4722.4 26.19 233.52
 100.00 8 42 7 2142.32 -24.96 34.19 53.95 107.00 9 17 50 1542.3 -22.40 26.33
 100.00 19 37 12 5053.20 28.92 221.94 58.08 82.10 21 1 25 4453.2 27.53 213.41
 110.00 9 45 30 1943.88 -28.75 17.73 52.55 109.33 10 17 54 1343.9 -25.85 9.76
 110.00 20 50 18 4824.40 32.87 203.85 57.36 80.03 22 10 42 4224.4 31.14 195.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6054 TRA-1.4310 TC3 -.1066 BAU .1196 SGT 1052.3 SGR 468.5 SG3 54.6 ST 494.2 SR 407.8 SS 462.7
 RDE -.6050 RRA -.3289 RC3 .0563 FAU .01649 RRT .0601 RRF -.0592 RTF -.7364 CRT -.7106 CRS -.8191 CST .9846
 FDE -.4290 FRA .6845 FC3 -.1924 BSP 2972 SGB 1151.9 R23 -.0041 R13 -.7366 LSA 752.0 MSA 242.5 SSA 15.2
 BDE .8559 BRA 1.4683 BC3 .1205 FSP -126 SG1 1052.7 SG2 467.4 THA 1.91 EL1 594.7 EL2 238.4 ALF 142.61

LAUNCH DATE MAY 23 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 185.290

RL 151.46 LAL -0.00 LOL 241.20 VL 22.321 GAL 9.25 AZL 92.97 MCA 71.09 SMA 105.81 ECC .45513 INC 2.9712 V1 29.417
 RP 108.94 LAP -2.81 LOP 312.26 VP 34.382 GAP -27.02 AZP 90.96 TAL 168.57 TAP 239.65 RCA 57.65 APO 153.97 V2 34.784
 RC 47.750 GL -8.03 GP 1.78 ZAL 66.51 ZAP 15.02 ETS 187.77 ZAE 160.42 ETE 144.52 ZAC 116.73 ETC 18.03 CLP 14.92

PLANETOCENTRIC CONIC

C3 66.902 VHL 8.179 DLA -5.35 RAL 172.16 RAD 6569.3 VEL 13.721 PTH 2.51 VHP 16.169 DPA 17.14 RAP 151.15 ECC 2.1010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 58 2347.01 -22.55 50.05 52.58 107.60 8 9 5 1747.0 -19.93 42.35
 90.00 18 8 5 5324.33 27.48 242.10 57.03 82.89 19 36 49 4724.3 26.21 233.66
 100.00 8 48 47 2092.76 -23.93 30.86 52.09 108.47 9 23 40 1492.8 -21.19 23.14
 100.00 19 31 57 5053.81 28.93 221.99 56.82 82.12 20 56 11 4453.8 27.54 213.46
 110.00 9 51 14 1897.23 -27.66 14.54 50.61 110.93 10 22 51 1297.2 -24.56 6.74
 110.00 20 45 59 4822.11 32.84 203.67 56.10 79.93 22 6 21 4222.1 31.10 194.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6074 TRA-1.4191 TC3 -.1012 BAU .1070 SGT 1097.9 SGR 468.8 SG3 59.5 ST 520.4 SR 406.0 SS 487.9
 RDE -.5719 RRA -.3127 RC3 .0638 FAU .01703 RRT .0621 RRF -.0620 RTF -.7523 CRT -.7132 CRS -.8231 CST .9841
 FDE -.4509 FRA .7037 FC3 -.2203 BSP 3155 SGB 1193.8 R23 -.0050 R13 -.7524 LSA 783.6 MSA 243.7 SSA 15.4
 BDE .8342 BRA 1.4532 BC3 .1196 FSP -139 SG1 1098.3 SG2 467.7 THA 1.85 EL1 614.4 EL2 241.0 ALF 144.68

LAUNCH DATE MAY 23 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 191.783

RL 151.46 LAL -.00 LOL 241.20 VL 22.708 GAL 8.79 AZL 93.03 HCA 74.25 SMA 107.30 ECC .43449 INC 3.0251 V1 29.417
 RP 108.94 LAP -2.91 LOP 315.42 VP 34.635 GAP -25.74 AZP 90.82 TAL 168.19 TAP 242.44 RCA 60.68 APO 153.92 V2 34.785
 RC 46.594 GL -8.77 GP 1.87 ZAL 66.14 ZAP 13.57 ETS 188.78 ZAE 161.88 ETE 138.97 ZAC 84.84 ETC 260.22 CLP 13.44

PLANETOCENTRIC CONIC

C3 60.363 VHL 7.769 DLA -6.20 RAL 172.25 RAD 6569.1 VEL 13.480 PTH 2.46 VHP 15.454 DPA 16.65 RAP 152.84 ECC 1.9934
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 47 2295.49 -21.45 46.67 50.70 108.95 8 15 2 1695.5 -18.66 39.10
 90.00 18 1 59 5326.27 27.50 242.24 55.65 82.96 19 30 46 4726.3 26.24 233.79
 100.00 8 55 11 2042.58 -22.81 27.56 50.18 109.86 9 29 13 1442.6 -19.90 19.97
 100.00 19 26 17 5054.41 28.93 222.03 55.44 82.14 20 50 31 4454.4 27.54 213.50
 110.00 9 56 41 1850.02 -26.47 11.38 48.62 112.46 10 27 31 1250.0 -23.19 3.76
 110.00 20 41 16 4819.74 32.81 203.50 54.72 79.83 22 1 35 4219.7 31.06 194.71

DIFFERENTIAL CORRECTIONS

TDE .6073 TRA-1.4086 TC3 -.0948 BAU .0962
 RDE -.5395 RRA -.2968 RC3 .0722 FAU .01760
 FDE -.4740 FRA .7237 FC3 -.2524 BSP 3278
 BDE .8123 BRA 1.4395 BC3 .1192 FSP -153

MID-COURSE EXECUTION ACCURACY

SGT 1146.3 SGR 468.4 SG3 64.9
 RRT .0659 RRF -.0657 RTF -.7662
 SGB 1238.3 R23 -.0052 R13 -.7664
 SG1 1146.8 SG2 467.1 THA 1.85

ORBIT DETERMINATION ACCURACY

ST 546.7 SR 403.3 SS 514.1
 CRT -.7143 CRS -.8267 CST .9833
 LSA 815.9 MSA 244.7 SSA 15.6
 EL1 634.3 EL2 243.3 ALF 146.69

LAUNCH DATE MAY 23 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 198.317

RL 151.46 LAL -.00 LOL 241.20 VL 23.067 GAL 8.35 AZL 93.08 HCA 77.41 SMA 108.75 ECC .41481 INC 3.0772 V1 29.417
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.873 GAP -24.51 AZP 90.67 TAL 167.86 TAP 245.27 RCA 63.64 APO 153.86 V2 34.786
 RC 45.578 GL -9.55 GP 1.96 ZAL 65.85 ZAP 12.12 ETS 190.09 ZAE 163.26 ETE 132.20 ZAC 85.25 ETC 259.93 CLP 11.96

PLANETOCENTRIC CONIC

C3 54.515 VHL 7.383 DLA -7.06 RAL 172.25 RAD 6569.0 VEL 13.262 PTH 2.42 VHP 14.764 DPA 16.17 RAP 154.52 ECC 1.8972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 21 2243.40 -20.26 43.31 48.77 110.22 8 20 44 1643.4 -17.32 35.87
 90.00 17 55 25 5328.41 27.52 242.39 54.17 83.04 19 24 13 4728.4 -26.27 233.95
 100.00 9 1 19 1991.87 -21.60 24.28 48.22 111.18 9 34 31 1391.9 -18.53 16.83
 100.00 19 20 8 5055.17 28.94 222.08 53.96 82.17 20 44 23 4455.2 27.56 213.55
 110.00 10 1 51 1802.35 -25.19 8.27 46.60 113.91 10 31 53 1202.4 -21.75 .81
 110.00 20 36 5 4817.45 32.78 203.32 53.24 79.73 21 56 23 4217.5 31.02 194.55

DIFFERENTIAL CORRECTIONS

TDE .6099 TRA-1.3943 TC3 -.0842 BAU .0853
 RDE -.5080 RRA -.2812 RC3 .0813 FAU .01825
 FDE -.4993 FRA .7436 FC3 -.2897 BSP 3457
 BDE .7937 BRA 1.4224 BC3 .1170 FSP -170

MID-COURSE EXECUTION ACCURACY

SGT 1195.0 SGR 467.1 SG3 70.8
 RRT .0686 RRF -.0693 RTF -.7804
 SGB 1283.0 R23 -.0062 R13 -.7806
 SG1 1195.5 SG2 465.8 THA 1.81

ORBIT DETERMINATION ACCURACY

ST 575.3 SR 399.7 SS 542.3
 CRT -.7175 CRS -.8309 CST .9829
 LSA 851.3 MSA 244.4 SSA 15.7
 EL1 656.7 EL2 243.9 ALF 148.71

LAUNCH DATE MAY 23 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 204.888

RL 151.46 LAL -.00 LOL 241.20 VL 23.402 GAL 7.91 AZL 93.13 HCA 80.57 SMA 110.15 ECC .39610 INC 3.1282 V1 29.417
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.098 GAP -23.33 AZP 90.51 TAL 167.58 TAP 248.15 RCA 66.52 APO 153.78 V2 34.788
 RC 44.711 GL -10.38 GP 2.06 ZAL 65.66 ZAP 10.68 ETS 191.83 ZAE 164.47 ETE 123.98 ZAC 85.67 ETC 259.64 CLP 10.48

PLANETOCENTRIC CONIC

C3 49.288 VHL 7.021 DLA -7.92 RAL 172.16 RAD 6568.8 VEL 13.063 PTH 2.38 VHP 14.098 DPA 15.68 RAP 156.19 ECC 1.8112
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 41 2190.81 -18.98 39.98 46.80 111.41 8 26 12 1590.8 -15.91 32.66
 90.00 17 48 20 5330.94 27.54 242.57 52.58 83.13 19 17 11 4730.9 26.30 234.12
 100.00 9 7 12 1940.71 -20.31 21.03 46.24 112.42 9 39 33 1340.7 -17.09 13.71
 100.00 19 13 30 5056.27 28.95 222.16 52.38 82.21 20 37 46 4456.3 27.57 213.63
 110.00 10 6 44 1754.33 -23.83 5.20 44.55 115.26 10 35 58 1154.3 -20.23 357.91
 110.00 20 30 28 4815.42 32.76 203.17 51.67 79.64 21 50 43 4215.4 30.98 194.40

DIFFERENTIAL CORRECTIONS

TDE .6132 TRA-1.3782 TC3 -.0698 BAU .0758
 RDE -.4772 RRA -.2660 RC3 .0914 FAU .01897
 FDE -.5270 FRA .7637 FC3 -.3332 BSP 3645
 BDE .7771 BRA 1.4036 BC3 .1150 FSP -188

MID-COURSE EXECUTION ACCURACY

SGT 1244.8 SGR 465.0 SG3 77.3
 RRT .0715 RRF -.0733 RTF -.7940
 SGB 1328.8 R23 -.0074 R13 -.7942
 SG1 1245.4 SG2 463.6 THA 1.78

ORBIT DETERMINATION ACCURACY

ST 605.4 SR 395.0 SS 572.3
 CRT -.7215 CRS -.8353 CST .9825
 LSA 889.2 MSA 243.3 SSA 15.9
 EL1 680.7 EL2 243.3 ALF 150.69

LAUNCH DATE MAY 23 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 211.491

RL 151.46 LAL -.00 LOL 241.20 VL 23.714 GAL 7.49 AZL 93.18 HCA 83.73 SMA 111.51 ECC .37834 INC 3.1782 V1 29.417
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.309 GAP -22.19 AZP 90.35 TAL 167.33 TAP 251.06 RCA 69.32 APO 153.70 V2 34.791
 RC 44.000 GL -11.25 GP 2.17 ZAL 65.56 ZAP 9.25 ETS 194.22 ZAE 165.38 ETE 114.26 ZAC 86.11 ETC 259.37 CLP 8.99

PLANETOCENTRIC CONIC

C3 44.620 VHL 6.680 DLA -8.79 RAL 171.97 RAD 6568.7 VEL 12.884 PTH 2.35 VHP 13.455 DPA 15.19 RAP 157.86 ECC 1.7343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 47 2137.81 -17.63 36.68 44.81 112.52 8 31 25 1537.8 -14.43 29.47
 90.00 17 40 44 5334.07 27.56 242.80 50.92 83.24 19 9 38 4734.1 26.34 234.34
 100.00 9 12 51 1889.19 -18.94 17.82 44.22 113.57 9 44 20 1289.2 -15.59 10.62
 100.00 19 6 21 5057.91 28.97 222.28 50.71 82.27 20 30 39 4457.9 27.59 213.75
 110.00 10 11 20 1706.04 -22.40 2.19 42.49 116.52 10 39 46 1106.0 -18.65 355.05
 110.00 20 24 21 4813.83 32.74 203.05 50.01 79.57 21 44 35 4213.8 30.95 194.28

DIFFERENTIAL CORRECTIONS

TDE .6170 TRA-1.3608 TC3 -.0516 BAU .0684
 RDE -.4474 RRA -.2513 RC3 .1024 FAU .01977
 FDE -.5370 FRA .7843 FC3 -.3836 BSP 3829
 BDE .7621 BRA 1.3838 BC3 .1147 FSP -208

MID-COURSE EXECUTION ACCURACY

SGT 1296.1 SGR 462.1 SG3 84.4
 RRT .0752 RRF -.0781 RTF -.8068
 SGB 1376.0 R23 -.0086 R13 -.8069
 SG1 1296.6 SG2 460.6 THA 1.76

ORBIT DETERMINATION ACCURACY

ST 636.9 SR 389.3 SS 604.3
 CRT -.7256 CRS -.8397 CST .9822
 LSA 929.4 MSA 241.6 SSA 16.1
 EL1 706.3 EL2 241.5 ALF 152.62

LAUNCH DATE MAY 23 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 218.121

RL 151.46 LAL -.00 LOL 241.20 VL 24.004 GAL 7.09 AZL 93.23 HCA 86.89 SMA 112.82 ECC .36151 INC 3.2276 V1 29.417
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.508 GAP -21.10 AZP 90.18 TAL 167.14 TAP 254.03 RCA 72.04 APO 153.61 V2 34.795
 RC 43.455 GL -12.17 GP 2.30 ZAL 65.55 ZAP 7.83 ETS 197.61 ZAE 165.89 ETE 103.28 ZAC 108.54 ETC 16.47 CLP 7.49

PLANETOCENTRIC CONIC

C3 40.454 VHL 6.336 DLA -9.67 RAL 171.69 RAD 6568.6 VEL 12.721 PTH 2.31 VHP 12.835 DPA 14.71 RAP 159.51 ECC 1.6658
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 41 2084.47 -16.21 33.41 42.79 113.54 8 36 25 1484.5 -12.89 26.30
 90.00 17 32 34 5338.00 27.59 243.08 49.17 83.38 19 1 32 4738.0 26.39 234.62
 100.00 9 18 16 1837.40 -17.50 14.64 42.19 114.63 9 48 53 1237.4 -14.03 7.57
 100.00 18 58 41 5060.30 28.99 222.46 48.97 82.36 20 23 1 4460.3 27.63 213.92
 110.00 10 15 41 1657.60 -20.89 359.23 40.42 117.69 10 43 18 1057.6 -17.02 352.25
 110.00 20 17 45 4812.86 32.73 202.98 48.28 79.53 21 37 58 4212.9 30.94 194.21

DIFFERENTIAL CORRECTIONS

TOE .6247 TRA-1.3384 TC3 -.0259 BAU .0634
 RDE -.4183 RRA -.2370 RC3 .1144 FAU .02069
 FDE -.5908 FRA .8046 FC3 -.4428 BSP 4091
 BDE .7518 BRA 1.3592 BC3 .1173 FSP -232

MID-COURSE EXECUTION ACCURACY

SGT 1346.7 SGR 458.3 SG3 92.3
 RRT .0778 RRF -.0831 RTF -.8204
 SGB 1422.6 R23 -.0110 R13 -.8205
 SG1 1347.3 SG2 456.8 THA 1.71

ORBIT DETERMINATION ACCURACY

ST 671.8 SR 382.4 SS 639.2
 CRT -.7327 CRS -.8445 CST .9825
 LSA 974.2 MSA 238.2 SSA 16.2
 EL1 735.5 EL2 237.7 ALF 154.51

LAUNCH DATE MAY 23 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 224.775

RL 151.46 LAL -.00 LOL 241.20 VL 24.274 GAL 6.69 AZL 93.28 HCA 90.06 SMA 114.08 ECC .34560 INC 3.2767 V1 29.417
 RP 108.90 LAP -3.28 LOP 331.25 VP 35.695 GAP -20.06 AZP 90.00 TAL 166.98 TAP 257.04 RCA 74.66 APO 153.51 V2 34.799
 RC 43.079 GL -13.14 GP 2.44 ZAL 65.63 ZAP 6.45 ETS 202.66 ZAE 165.90 ETE 91.68 ZAC 106.92 ETC 16.21 CLP 5.98

PLANETOCENTRIC CONIC

C3 36.742 VHL 6.062 DLA -10.57 RAL 171.31 RAD 6568.4 VEL 12.574 PTH 2.28 VHP 12.237 DPA 14.23 RAP 161.14 ECC 1.6047
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 22 2030.89 -14.73 30.17 40.76 114.46 8 41 13 1430.9 -11.31 23.17
 90.00 17 23 50 5342.94 27.63 243.44 47.36 83.55 18 52 53 4742.9 26.45 234.97
 100.00 9 23 27 1785.44 -15.99 11.52 40.15 115.59 9 53 13 1185.4 -12.42 4.55
 100.00 18 50 26 5063.62 29.02 222.70 47.16 82.49 20 14 50 4463.6 27.67 214.16
 110.00 10 19 46 1608.90 -19.33 356.34 38.35 118.75 10 46 34 1008.9 -15.35 349.49
 110.00 20 10 38 4812.71 32.73 202.96 46.48 79.52 21 30 50 4212.7 30.93 194.20

DIFFERENTIAL CORRECTIONS

TOE .6305 TRA-1.3171 TC3 .0027 BAU .0626
 RDE -.3901 RRA -.2233 RC3 .1274 FAU .02169
 FDE -.6274 FRA .8260 FC3 -.5111 BSP 4289
 BDE .7415 BRA 1.3359 BC3 .1274 FSP -257

MID-COURSE EXECUTION ACCURACY

SGT 1399.7 SGR 453.8 SG3 101.0
 RRT .0828 RRF -.0895 RTF -.8320
 SGB 1471.4 R23 -.0126 R13 -.8322
 SG1 1400.2 SG2 452.0 THA 1.72

ORBIT DETERMINATION ACCURACY

ST 706.8 SR 374.4 SS 676.1
 CRT -.7381 CRS -.8492 CST .9824
 LSA 1020.5 MSA 234.8 SSA 16.3
 EL1 765.0 EL2 233.3 ALF 156.31

LAUNCH DATE MAY 23 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 231.449

RL 151.46 LAL -.00 LOL 241.20 VL 24.524 GAL 6.32 AZL 93.33 HCA 93.22 SMA 115.29 ECC .33059 INC 3.3258 V1 29.417
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.870 GAP -19.05 AZP 89.81 TAL 166.88 TAP 260.10 RCA 77.18 APO 153.41 V2 34.804
 RC 42.876 GL -14.15 GP 2.59 ZAL 65.81 ZAP 5.14 ETS 210.65 ZAE 165.38 ETE 80.38 ZAC 105.31 ETC 15.96 CLP 4.44

PLANETOCENTRIC CONIC

C3 33.438 VHL 5.783 DLA -11.47 RAL 170.83 RAD 6568.3 VEL 12.442 PTH 2.25 VHP 11.660 DPA 13.77 RAP 162.76 ECC 1.5503
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 54 1977.15 -13.19 26.98 38.73 115.29 8 45 51 1377.1 -9.68 20.06
 90.00 17 14 30 5349.10 27.68 243.88 45.49 83.77 18 43 39 4749.1 26.53 235.40
 100.00 9 28 27 1733.40 -14.44 8.43 38.10 116.46 9 57 20 1133.4 -10.77 1.57
 100.00 18 41 38 5068.08 29.06 223.03 45.30 82.65 20 6 6 4468.1 27.74 214.47
 110.00 10 23 35 1560.72 -17.72 353.51 36.28 119.72 10 49 36 960.7 -13.64 346.78
 110.00 20 2 59 4813.53 32.74 203.03 44.63 79.56 21 23 12 4213.5 30.95 194.26

DIFFERENTIAL CORRECTIONS

TOE .6369 TRA-1.2945 TC3 .0362 BAU .0652
 RDE -.3628 RRA -.2102 RC3 .1414 FAU .02280
 FDE -.6680 FRA .8481 FC3 -.5902 BSP 4483
 BDE .7329 BRA 1.3115 BC3 .1459 FSP -285

MID-COURSE EXECUTION ACCURACY

SGT 1453.6 SGR 448.4 SG3 110.6
 RRT .0892 RRF -.0973 RTF -.8428
 SGB 1521.2 R23 -.0144 R13 -.8430
 SG1 1454.2 SG2 446.5 THA 1.74

ORBIT DETERMINATION ACCURACY

ST 743.2 SR 365.1 SS 715.7
 CRT -.7437 CRS -.8537 CST .9824
 LSA 1069.7 MSA 230.8 SSA 16.4
 EL1 796.1 EL2 227.9 ALF 158.04

LAUNCH DATE MAY 23 1967

FLIGHT TIME 100.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 238.139

RL 151.46 LAL -.00 LOL 241.20 VL 24.756 GAL 5.95 AZL 93.38 HCA 96.39 SMA 116.45 ECC .31646 INC 3.3753 V1 29.417
 RP 108.87 LAP -3.35 LOP 337.59 VP 36.035 GAP -18.08 AZP 89.62 TAL 166.82 TAP 263.21 RCA 79.60 APO 153.30 V2 34.809
 RC 42.849 GL -15.22 GP 2.76 ZAL 66.07 ZAP 3.99 ETS 224.09 ZAE 164.39 ETE 70.16 ZAC 103.72 ETC 15.72 CLP 2.88

PLANETOCENTRIC CONIC

C3 30.502 VHL 5.523 DLA -12.38 RAL 170.25 RAD 6568.2 VEL 12.324 PTH 2.22 VHP 11.104 DPA 13.32 RAP 164.35 ECC 1.5020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 16 1923.32 -11.60 23.82 36.69 116.01 8 50 19 1323.3 -8.01 16.98
 90.00 17 4 31 5356.68 27.73 244.43 43.57 84.04 18 33 48 4756.7 26.62 235.94
 100.00 9 33 15 1681.37 -12.84 5.40 36.05 117.23 10 1 17 1081.4 -9.09 358.62
 100.00 18 32 13 5073.86 29.11 223.45 43.39 82.87 19 56 47 4473.9 27.81 214.88
 110.00 10 27 11 1512.50 -16.07 350.74 34.21 120.58 10 52 23 912.5 -11.90 344.13
 110.00 19 54 47 4815.49 32.76 203.17 42.73 79.64 21 15 3 4215.5 30.98 194.40

DIFFERENTIAL CORRECTIONS

TOE .6446 TRA-1.2699 TC3 .0763 BAU .0709
 RDE -.3363 RRA -.1978 RC3 .1564 FAU .02403
 FDE -.7132 FRA .8707 FC3 -.6821 BSP 4688
 BDE .7270 BRA 1.2852 BC3 .1740 FSP -316

MID-COURSE EXECUTION ACCURACY

SGT 1507.8 SGR 442.3 SG3 121.3
 RRT .0969 RRF -.1067 RTF -.8531
 SGB 1571.3 R23 -.0165 R13 -.8533
 SG1 1508.4 SG2 440.0 THA 1.78

ORBIT DETERMINATION ACCURACY

ST 781.6 SR 354.5 SS 758.4
 CRT -.7498 CRS -.8582 CST .9825
 LSA 1122.7 MSA 226.2 SSA 16.5
 EL1 829.3 EL2 221.1 ALF 159.71

LAUNCH DATE MAY 23 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 244.841

RL 151.46 LAL -0.00 LOL 241.20 VL 24.971 GAL 5.61 AZL 93.43 HCA 99.55 SMA 117.56 ECC .30317 INC 3.4254 V1 29.417
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.189 GAP -17.15 AZP 89.43 TAL 166.81 TAP 266.36 RCA 81.92 APO 153.20 V2 34.815
 RC 42.995 GL -16.33 GP 2.95 ZAL 66.44 ZAP 3.22 ETS 246.53 ZAE 163.04 ETE 61.45 ZAC 102.15 ETC 15.49 CLP 1.30

PLANETOCENTRIC CONIC

C3 27.898 VHL 5.282 DLA -13.30 RAL 169.58 RAD 6568.1 VEL 12.218 PTH 2.20 VHP 10.567 DPA 12.89 RAP 165.92 ECC 1.4591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 30 1869.47 -9.98 20.70 34.66 116.64 8 54 40 1269.5 -6.32 13.93
 90.00 16 53 55 5365.87 27.80 245.09 41.61 84.37 18 23 20 4765.9 26.73 236.59
 100.00 9 37 54 1629.43 -11.20 2.41 34.01 117.90 10 5 4 1029.4 -7.38 355.70
 100.00 18 22 12 5081.15 29.17 223.98 41.44 83.15 19 46 53 4481.1 27.91 215.40
 110.00 10 30 32 1464.58 -14.40 348.04 32.15 121.34 10 54 57 864.6 -10.14 341.53
 110.00 19 46 3 4818.76 32.80 203.42 40.80 79.78 21 6 22 4218.8 31.04 194.64

DIFFERENTIAL CORRECTIONS

TDE .6528 TRA-1.2441 TC3 .1218 BAU .0787
 RDE -.3105 RRA -.1861 RC3 .1724 FAU .02541
 FDE -.7638 FRA .8942 FC3 -.7884 BSP 4880
 BDE .7228 BRA 1.2580 BC3 .2111 FSP -351

MID-COURSE EXECUTION ACCURACY

SGT 1562.4 SGR 435.5 SG3 133.1
 RRT .1067 RRF -.1183 RTF -.8625
 SGB 1622.0 R23 -.0187 R13 -.8627
 SGI 1563.2 SG2 432.8 THA 1.84

ORBIT DETERMINATION ACCURACY

ST 821.3 SR 342.6 SS 804.6
 CRT -.7556 CRS -.8624 CST .9827
 LSA 1179.0 MSA 221.2 SSA 16.6
 EL1 863.9 EL2 213.3 ALF 161.33

LAUNCH DATE MAY 23 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 251.552

RL 151.46 LAL -0.00 LOL 241.20 VL 25.171 GAL 5.27 AZL 93.48 HCA 102.72 SMA 118.61 ECC .29072 INC 3.4764 V1 29.417
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.333 GAP -16.24 AZP 89.23 TAL 166.84 TAP 269.56 RCA 84.12 APO 153.09 V2 34.822
 RC 43.312 GL -17.48 GP 3.17 ZAL 66.89 ZAP 3.18 ETS 275.95 ZAE 161.43 ETE 54.27 ZAC 100.60 ETC 15.28 CLP -.32

PLANETOCENTRIC CONIC

C3 25.592 VHL 5.059 DLA -14.23 RAL 168.81 RAD 6568.0 VEL 12.123 PTH 2.17 VHP 10.050 DPA 12.49 RAP 167.47 ECC 1.4212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 38 1815.67 -8.32 17.62 32.64 117.16 8 58 54 1215.7 -4.61 10.90
 90.00 16 42 38 5376.87 27.87 245.89 39.62 84.76 18 12 14 4776.9 26.85 237.37
 100.00 9 42 24 1577.67 -9.54 359.47 31.99 118.46 10 8 42 977.7 -5.66 352.83
 100.00 18 11 33 5090.10 29.24 224.64 39.46 83.48 19 36 23 4490.1 28.03 216.04
 110.00 10 33 41 1417.06 -12.70 345.41 30.11 122.01 10 57 18 817.1 -8.38 338.98
 110.00 19 36 45 4823.48 32.86 203.78 38.85 79.99 20 57 9 4223.5 31.13 194.98

DIFFERENTIAL CORRECTIONS

TDE .6609 TRA-1.2166 TC3 .1708 BAU .0873
 RDE -.2854 RRA -.1751 RC3 .1895 FAU .02694
 FDE -.8207 FRA .9186 FC3 -.9112 BSP 5072
 BDE .7199 BRA 1.2291 BC3 .2551 FSP -390

MID-COURSE EXECUTION ACCURACY

SGT 1615.8 SGR 427.9 SG3 146.3
 RRT .1187 RRF -.1324 RTF -.8704
 SGB 1671.5 R23 -.0216 R13 -.8706
 SGI 1616.6 SG2 424.7 THA 1.93

ORBIT DETERMINATION ACCURACY

ST 861.5 SR 329.1 SS 854.5
 CRT -.7610 CRS -.8663 CST .9828
 LSA 1238.4 MSA 216.0 SSA 16.7
 EL1 899.2 EL2 204.5 ALF 162.88

LAUNCH DATE MAY 23 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 258.269

RL 151.46 LAL -0.00 LOL 241.20 VL 25.355 GAL 4.96 AZL 93.53 HCA 105.89 SMA 119.60 ECC .27907 INC 3.5288 V1 29.417
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.468 GAP -15.38 AZP 89.03 TAL 166.92 TAP 272.80 RCA 86.22 APO 152.98 V2 34.830
 RC 43.796 GL -18.68 GP 3.41 ZAL 67.42 ZAP 3.94 ETS 300.24 ZAE 159.68 ETE 48.47 ZAC 99.08 ETC 15.07 CLP -1.98

PLANETOCENTRIC CONIC

C3 23.557 VHL 4.854 DLA -15.17 RAL 167.94 RAD 6568.0 VEL 12.039 PTH 2.15 VHP 9.552 DPA 12.12 RAP 168.99 ECC 1.3877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 33 43 1761.96 -6.64 14.57 30.63 117.59 9 3 5 1162.0 -2.89 7.89
 90.00 16 30 40 5389.84 27.94 246.83 37.62 85.23 18 0 30 4789.8 26.99 238.30
 100.00 9 46 48 1526.14 -7.85 356.57 29.98 118.93 10 12 14 926.1 -3.93 349.98
 100.00 18 0 16 5100.89 29.32 225.43 37.47 83.89 19 25 17 4500.9 28.16 216.82
 110.00 10 36 38 1370.03 -10.99 342.84 28.09 122.57 10 59 29 770.0 -6.61 336.48
 110.00 19 26 55 4829.77 32.93 204.25 36.88 80.26 20 47 25 4229.8 31.23 195.44

DIFFERENTIAL CORRECTIONS

TDE .6741 TRA-1.1866 TC3 .2338 BAU .0985
 RDE -.2610 RRA -.1650 RC3 .2075 FAU .02866
 FDE -.8850 FRA .9439 FC3-1.0532 BSP 5270
 BDE .7229 BRA 1.1980 BC3 .3126 FSP -433

MID-COURSE EXECUTION ACCURACY

SGT 1670.7 SGR 419.8 SG3 160.9
 RRT .1332 RRF -.1497 RTF -.8802
 SGB 1722.7 R23 -.0249 R13 -.8804
 SGI 1671.7 SG2 415.8 THA 2.04

ORBIT DETERMINATION ACCURACY

ST 907.1 SR 314.0 SS 908.7
 CRT -.7679 CRS -.8697 CST .9835
 LSA 1305.0 MSA 209.6 SSA 16.6
 EL1 940.1 EL2 194.1 ALF 164.43

LAUNCH DATE MAY 23 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 264.989

RL 151.46 LAL -0.00 LOL 241.20 VL 25.525 GAL 4.66 AZL 93.58 HCA 109.06 SMA 120.54 ECC .26819 INC 3.5829 V1 29.417
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.595 GAP -14.54 AZP 88.83 TAL 167.04 TAP 276.09 RCA 88.21 APO 152.87 V2 34.838
 RC 44.440 GL -19.93 GP 3.68 ZAL 68.04 ZAP 5.20 ETS 315.06 ZAE 157.89 ETE 43.81 ZAC 97.59 ETC 14.88 CLP -3.68

PLANETOCENTRIC CONIC

C3 21.764 VHL 4.665 DLA -16.12 RAL 166.99 RAD 6567.9 VEL 11.964 PTH 2.13 VHP 9.072 DPA 11.79 RAP 170.48 ECC 1.3582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 47 1708.35 -4.94 11.55 28.66 117.92 9 7 15 1108.4 -1.16 4.90
 90.00 16 18 0 5404.99 28.03 247.93 35.61 85.77 17 48 5 4805.0 27.14 239.38
 100.00 9 51 8 1474.91 -6.16 353.72 27.99 119.31 10 15 43 874.9 -2.20 347.16
 100.00 17 48 20 5113.66 29.41 226.37 35.47 84.38 19 13 34 4513.7 28.32 217.73
 110.00 10 39 26 1323.59 -9.27 340.34 26.09 123.05 11 1 30 723.6 -4.86 334.03
 110.00 19 16 31 4837.75 33.02 204.86 34.92 80.61 20 37 9 4237.7 31.37 196.02

DIFFERENTIAL CORRECTIONS

TDE .6861 TRA-1.1562 TC3 .2992 BAU .1092
 RDE -.2370 RRA -.1557 RC3 .2266 FAU .03058
 FDE -.9576 FRA .9705 FC3-1.2163 BSP 5462
 BDE .7258 BRA 1.1667 BC3 .3754 FSP -482

MID-COURSE EXECUTION ACCURACY

SGT 1724.2 SGR 411.2 SG3 177.3
 RRT .1524 RRF -.1714 RTF -.8880
 SGB 1772.5 R23 -.0284 R13 -.8883
 SGI 1725.4 SG2 406.1 THA 2.20

ORBIT DETERMINATION ACCURACY

ST 952.2 SR 297.2 SS 967.3
 CRT -.7729 CRS -.8722 CST .9840
 LSA 1374.4 MSA 203.7 SSA 16.6
 EL1 980.5 EL2 183.2 ALF 165.94

LAUNCH DATE MAY 23 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 271.708

RL 151.46 LAL -0.00 LOL 241.20 VL 25.682 GAL 4.37 AZL 93.64 HCA 112.23 SMA 121.43 ECC .25806 INC 3.6391 V1 29.417
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.713 GAP -13.73 AZP 88.62 TAL 167.19 TAP 279.42 RCA 90.09 APO 152.77 V2 34.846
 RC 45.237 GL -21.21 GP 3.98 ZAL 68.74 ZAP 6.73 ETS 323.76 ZAE 156.11 ETE 40.08 ZAC 96.14 ETC 14.69 CLP -5.43

PLANETOCENTRIC CONIC

C3 20.191 VHL 4.493 DLA -17.08 RAL 165.95 RAD 6567.8 VEL 11.898 PTH 2.11 VHP 8.611 DPA 11.51 RAP 171.93 ECC 1.3323
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 53 1654.85 -3.23 8.55 26.71 118.15 9 11 28 1054.8 .56 1.91
 90.00 16 4 37 5422.48 28.11 249.21 33.60 86.41 17 34 59 4822.5 27.31 240.63
 100.00 9 55 26 1423.99 -4.45 350.90 26.04 119.59 10 19 10 824.0 -.48 344.36
 100.00 17 35 45 5128.58 29.50 227.47 33.48 84.95 19 1 14 4528.6 28.49 218.81
 110.00 10 42 5 1277.80 -7.56 337.89 24.12 123.44 11 3 23 677.8 -3.11 331.63
 110.00 19 5 35 4847.53 33.13 205.60 32.96 81.04 20 26 22 4247.5 31.53 196.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6990 TRA-1.1244 TC3 .3700 BAU .1201 SGT 1776.1 SGR 402.3 SG3 195.6 ST 998.5 SR 278.5 SS 1030.8
 RDE -.2134 RRA -.1474 RC3 .2468 FAU .03274 RRT .1764 RRF -.1984 RTF -.8952 CRT -.7765 CRS -.8734 CST .9846
 FDE-1.0401 FRA .9984 FC3-1.4036 BSP 5641 SGB 1821.1 R23 -.0328 R13 -.8956 LSA 1448.4 MSA 197.7 SSA 16.5
 BDE .7308 BRA 1.1340 BC3 .4448 FSP -537 SG1 1777.6 SG2 395.7 THA 2.41 EL1 1022.3 EL2 171.4 ALF 167.42

LAUNCH DATE MAY 23 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 278.426

RL 151.46 LAL -0.00 LOL 241.20 VL 25.827 GAL 4.10 AZL 93.70 HCA 115.40 SMA 122.27 ECC .24865 INC 3.6979 V1 29.417
 RP 108.72 LAP -3.34 LOP 356.64 VP 36.823 GAP -12.94 AZP 88.41 TAL 167.39 TAP 282.79 RCA 91.86 APO 152.67 V2 34.856
 RC 46.178 GL -22.52 GP 4.33 ZAL 69.50 ZAP 8.43 ETS 329.10 ZAE 154.40 ETE 37.11 ZAC 94.74 ETC 14.51 CLP -7.24

PLANETOCENTRIC CONIC

C3 18.817 VHL 4.338 DLA -18.04 RAL 164.84 RAD 6567.8 VEL 11.841 PTH 2.10 VHP 8.167 DPA 11.29 RAP 173.34 ECC 1.3097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 6 1601.39 -1.50 5.56 24.81 118.28 9 15 47 1001.4 2.29 358.93
 90.00 15 50 30 5442.53 28.18 250.67 31.61 87.13 17 21 12 4842.5 27.49 242.07
 100.00 9 59 45 1373.37 -2.74 348.11 24.12 119.78 10 22 39 773.4 1.24 341.59
 100.00 17 22 31 5145.79 29.60 228.74 31.50 85.61 18 48 17 4545.8 28.68 220.06
 110.00 10 44 39 1232.72 -5.87 335.51 22.19 123.74 11 5 12 632.7 -1.39 329.28
 110.00 18 54 7 4859.21 33.25 206.49 31.02 81.55 20 15 6 4259.2 31.72 197.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7136 TRA-1.0904 TC3 .4462 BAU .1310 SGT 1825.6 SGR 393.5 SG3 216.0 ST 1046.4 SR 257.6 SS 1099.9
 RDE -.1899 RRA -.1400 RC3 .2681 FAU .03515 RRT .2063 RRF -.2319 RTF -.9021 CRT -.7783 CRS -.8729 CST .9853
 FDE-1.1343 FRA 1.0275 FC3-1.6173 BSP 5824 SGB 1867.5 R23 -.0380 R13 -.9025 LSA 1527.8 MSA 191.6 SSA 16.3
 BDE .7384 BRA 1.0994 BC3 .5206 FSP -599 SG1 1827.4 SG2 384.6 THA 2.66 EL1 1065.9 EL2 158.8 ALF 168.90

LAUNCH DATE MAY 23 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 285.139

RL 151.46 LAL -0.00 LOL 241.20 VL 25.960 GAL 3.85 AZL 93.76 HCA 118.58 SMA 123.05 ECC .23994 INC 3.7600 V1 29.417
 RP 108.69 LAP -3.30 LOP 359.82 VP 36.925 GAP -12.19 AZP 88.20 TAL 167.61 TAP 286.19 RCA 93.52 APO 152.57 V2 34.865
 RC 47.255 GL -23.87 GP 4.73 ZAL 70.33 ZAP 10.26 ETS 332.57 ZAE 152.81 ETE 34.77 ZAC 93.39 ETC 14.33 CLP -9.12

PLANETOCENTRIC CONIC

C3 17.622 VHL 4.198 DLA -19.00 RAL 163.65 RAD 6567.7 VEL 11.790 PTH 2.08 VHP 7.740 DPA 11.13 RAP 174.71 ECC 1.2900
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 54 30 1547.89 .22 2.58 22.96 118.32 9 20 18 947.9 4.01 355.94
 90.00 15 35 36 5465.37 28.25 252.34 29.64 87.97 17 6 42 4865.4 27.67 243.72
 100.00 10 4 11 1323.03 -1.04 345.35 22.26 119.88 10 26 14 723.0 2.94 338.82
 100.00 17 8 37 5165.46 29.69 230.19 29.56 86.37 18 34 42 4565.5 28.87 221.48
 110.00 10 47 10 1188.37 -4.18 333.18 20.30 123.96 11 6 58 588.4 .30 326.96
 110.00 18 42 8 4872.88 33.38 207.54 29.12 82.16 20 3 20 4272.9 31.93 198.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7285 TRA-1.0559 TC3 .5252 BAU .1414 SGT 1872.5 SGR 385.0 SG3 238.9 ST 1094.5 SR 234.2 SS 1174.5
 RDE -.1662 RRA -.1336 RC3 .2908 FAU .03785 RRT .2441 RRF -.2736 RTF -.9083 CRT -.7763 CRS -.8693 CST .9860
 FDE-1.2416 FRA 1.0584 FC3-1.8596 BSP 5987 SGB 1911.7 R23 -.0441 R13 -.9088 LSA 1611.7 MSA 186.0 SSA 16.1
 BDE .7472 BRA 1.0643 BC3 .6003 FSP -668 SG1 1875.0 SG2 372.9 THA 2.99 EL1 1109.8 EL2 145.6 ALF 170.40

LAUNCH DATE MAY 23 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 291.845

RL 151.46 LAL -0.00 LOL 241.20 VL 26.082 GAL 3.61 AZL 93.83 HCA 121.75 SMA 123.78 ECC .23188 INC 3.8259 V1 29.417
 RP 108.66 LAP -3.25 LOP 3.01 VP 37.021 GAP -11.46 AZP 87.98 TAL 167.87 TAP 289.62 RCA 95.08 APO 152.48 V2 34.875
 RC 48.458 GL -25.24 GP 5.18 ZAL 71.21 ZAP 12.21 ETS 334.90 ZAE 151.36 ETE 32.96 ZAC 92.10 ETC 14.16 CLP -11.07

PLANETOCENTRIC CONIC

C3 16.590 VHL 4.073 DLA -19.97 RAL 162.40 RAD 6567.7 VEL 11.746 PTH 2.07 VHP 7.331 DPA 11.05 RAP 176.03 ECC 1.2730
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 0 14 1494.15 1.96 359.58 21.17 118.25 9 25 8 894.2 5.72 352.92
 90.00 15 19 54 5491.27 28.30 254.23 27.70 88.92 16 51 25 4891.3 27.85 245.59
 100.00 10 8 48 1272.84 .66 342.59 20.45 119.89 10 30 1 672.8 4.64 336.06
 100.00 16 54 1 5187.81 29.78 231.85 27.65 87.24 18 20 28 4587.8 29.08 223.12
 110.00 10 49 41 1144.76 -2.52 330.89 18.46 124.10 11 8 45 544.8 1.97 324.69
 110.00 18 29 38 4888.66 33.52 208.75 27.26 82.86 19 51 6 4288.7 32.17 199.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7467 TRA-1.0175 TC3 .6118 BAU .1526 SGT 1915.9 SGR 377.7 SG3 264.7 ST 1145.5 SR 208.1 SS 1256.7
 RDE -.1420 RRA -.1283 RC3 .3151 FAU .04096 RRT .2908 RRF -.3249 RTF -.9149 CRT -.7695 CRS -.8610 CST .9870
 FDE-1.3664 FRA 1.0893 FC3-2.1374 BSP 6195 SGB 1952.8 R23 -.0512 R13 -.9155 LSA 1703.6 MSA 179.8 SSA 15.8
 BDE .7601 BRA 1.0255 BC3 .6881 FSP -749 SG1 1919.2 SG2 360.8 THA 3.40 EL1 1156.8 EL2 131.6 ALF 171.94

LAUNCH DATE MAY 23 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 298.543

RL 151.46 LAL -.00 LOL 241.20 VL 26.194 GAL 3.38 AZL 93.90 HCA 124.93 SMA 124.46 ECC .22446 INC 3.8966 V1 29.417
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.110 GAP -10.75 AZP 87.77 TAL 168.15 TAP 293.08 RCA 96.52 APO 152.39 V2 34.886
 RC 49.776 GL -26.64 GP 5.71 ZAL 72.12 ZAP 14.28 ETS 336.49 ZAE 150.07 ETE 31.62 ZAC 90.87 ETC 13.99 CLP -13.12

PLANETOCENTRIC CONIC

C3 15.707 VHL 3.963 DLA -20.95 RAL 161.09 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 6.940 DPA 11.07 RAP 177.30 ECC 1.2585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 25 1439.87 3.70 356.54 19.46 118.09 9 30 25 839.9 7.43 349.85
 90.00 15 3 19 5520.64 28.32 256.38 25.81 89.99 16 35 19 4920.6 28.02 247.73
 100.00 10 13 44 1222.64 2.36 339.84 18.72 119.81 10 34 7 622.6 6.31 333.28
 100.00 16 38 41 5213.11 29.84 233.73 25.79 88.23 18 5 34 4613.1 29.28 224.97
 110.00 10 52 17 1101.82 -.88 328.65 16.70 124.17 11 10 39 501.8 3.61 322.44
 110.00 18 16 38 4906.69 33.66 210.14 25.47 83.67 19 38 24 4306.7 32.42 201.12

DIFFERENTIAL CORRECTIONS

TDE .7628 TRA -.9813 TC3 .6918 BAU .1620
 RDE -.1170 RRA -.1242 RC3 .3412 FAU .04436
 FDE-1.5077 FRA 1.1245 FC3-2.4449 BSP 6334
 BDE .7717 BRA .9891 BC3 .7713 FSP -838

MID-COURSE EXECUTION ACCURACY

SGT 1955.6 SGR 372.4 SG3 293.5
 RRT .3487 RRF -.3876 RTF -.9199
 SGB 1990.7 R23 -.0601 R13 -.9207
 SG1 1960.0 SG2 348.3 THA 3.92

ORBIT DETERMINATION ACCURACY

ST 1193.3 SR 178.8 SS 1344.3
 CRT -.7499 CRS -.8428 CST .9877
 LSA 1797.9 MSA 175.0 SSA 15.3
 EL1 1200.9 EL2 117.6 ALF 173.53

LAUNCH DATE MAY 23 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 305.231

RL 151.46 LAL -.00 LOL 241.20 VL 26.297 GAL 3.17 AZL 93.97 HCA 128.11 SMA 125.09 ECC .21765 INC 3.9730 V1 29.417
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.192 GAP -10.06 AZP 87.55 TAL 168.45 TAP 296.56 RCA 97.86 APO 152.31 V2 34.897
 RC 51.201 GL -28.06 GP 6.32 ZAL 73.06 ZAP 16.48 ETS 337.57 ZAE 148.95 ETE 30.72 ZAC 89.72 ETC 13.82 CLP -15.26

PLANETOCENTRIC CONIC

C3 14.961 VHL 3.868 DLA -21.93 RAL 159.75 RAD 6567.6 VEL 11.677 PTH 2.05 VHP 6.565 DPA 11.20 RAP 178.52 ECC 1.2462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 17 1384.59 5.47 353.44 17.85 117.83 9 36 22 784.6 9.15 346.70
 90.00 14 45 42 5554.03 28.29 258.82 23.98 91.22 16 18 16 4954.0 28.16 250.16
 100.00 10 19 7 1172.13 4.07 337.06 17.08 119.64 10 38 39 572.1 7.99 330.46
 100.00 16 22 34 5241.72 29.89 235.85 23.99 89.35 17 49 55 4641.7 29.48 227.07
 110.00 10 55 3 1059.46 .74 326.44 15.00 124.18 11 12 43 459.5 5.22 320.22
 110.00 18 3 7 4927.15 33.80 211.72 23.75 84.59 19 25 14 4327.1 32.69 202.66

DIFFERENTIAL CORRECTIONS

TDE .7796 TRA -.9430 TC3 .7696 BAU .1708
 RDE -.0903 RRA -.1214 RC3 .3699 FAU .04818
 FDE-1.6710 FRA 1.1601 FC3-2.7883 BSP 6462
 BDE .7848 BRA .9508 BC3 .8539 FSP -938

MID-COURSE EXECUTION ACCURACY

SGT 1988.8 SGR 370.6 SG3 325.7
 RRT .4174 RRF -.4617 RTF -.9246
 SGB 2023.0 R23 -.0709 R13 -.9256
 SG1 1995.0 SG2 335.7 THA 4.58

ORBIT DETERMINATION ACCURACY

ST 1240.1 SR 146.2 SS 1439.5
 CRT -.7068 CRS -.8044 CST .9884
 LSA 1897.9 MSA 170.5 SSA 14.8
 EL1 1244.5 EL2 103.0 ALF 175.21

LAUNCH DATE MAY 23 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 311.907

RL 151.46 LAL -.00 LOL 241.20 VL 26.390 GAL 2.98 AZL 94.06 HCA 131.29 SMA 125.67 ECC .21142 INC 4.0565 V1 29.417
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.269 GAP -9.40 AZP 87.32 TAL 168.76 TAP 300.05 RCA 99.10 APO 152.24 V2 34.908
 RC 52.722 GL -29.49 GP 7.03 ZAL 74.02 ZAP 18.82 ETS 338.29 ZAE 148.02 ETE 30.23 ZAC 88.65 ETC 13.65 CLP -17.51

PLANETOCENTRIC CONIC

C3 14.340 VHL 3.787 DLA -22.91 RAL 158.37 RAD 6567.6 VEL 11.650 PTH 2.05 VHP 6.208 DPA 11.47 RAP 179.68 ECC 1.2360
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 6 1327.53 7.27 350.22 16.35 117.44 9 43 14 727.5 10.89 343.41
 90.00 14 26 52 5592.25 28.21 261.61 22.21 92.62 16 0 5 4992.2 28.27 252.95
 100.00 10 25 9 1120.84 5.79 334.22 15.54 119.38 10 43 49 520.8 9.66 327.57
 100.00 16 5 31 5274.17 29.89 238.27 22.27 90.62 17 33 25 4674.2 29.65 229.47
 110.00 10 58 6 1017.50 2.34 324.25 13.41 124.11 11 15 4 417.5 6.80 318.01
 110.00 17 49 3 4950.28 33.94 213.51 22.11 85.65 19 11 33 4350.3 32.96 204.41

DIFFERENTIAL CORRECTIONS

TDE .7957 TRA -.9048 TC3 .8400 BAU .1785
 RDE -.0615 RRA -.1200 RC3 .4018 FAU .05243
 FDE-1.8587 FRA 1.1991 FC3-3.1653 BSP 6563
 BDE .7981 BRA .9127 BC3 .9312 FSP -1051

MID-COURSE EXECUTION ACCURACY

SGT 2015.7 SGR 374.3 SG3 361.8
 RRT .4965 RRF -.5463 RTF -.9286
 SGB 2050.2 R23 -.0841 R13 -.9300
 SG1 2024.5 SG2 323.5 THA 5.41

ORBIT DETERMINATION ACCURACY

ST 1284.0 SR 110.6 SS 1541.8
 CRT -.6016 CRS -.7108 CST .9891
 LSA 2002.5 MSA 166.8 SSA 14.2
 EL1 1285.7 EL2 88.2 ALF 177.02

LAUNCH DATE MAY 23 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 318.571

RL 151.46 LAL -.00 LOL 241.20 VL 26.475 GAL 2.80 AZL 94.15 HCA 134.48 SMA 126.20 ECC .20573 INC 4.1486 V1 29.417
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.340 GAP -8.75 AZP 87.09 TAL 169.08 TAP 303.55 RCA 100.24 APO 152.17 V2 34.920
 RC 54.330 GL -30.95 GP 7.86 ZAL 74.99 ZAP 21.32 ETS 338.72 ZAE 147.27 ETE 30.17 ZAC 87.67 ETC 13.48 CLP -19.88

PLANETOCENTRIC CONIC

C3 13.838 VHL 3.720 DLA -23.92 RAL 156.97 RAD 6567.5 VEL 11.629 PTH 2.04 VHP 5.869 DPA 11.89 RAP 180.78 ECC 1.2277
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 30 20 1267.49 9.14 346.79 14.99 116.92 9 51 28 667.5 12.68 339.90
 90.00 14 6 28 5636.60 28.03 264.84 20.51 94.23 15 40 24 5036.6 28.32 256.19
 100.00 10 32 7 1068.07 7.54 331.29 14.13 119.01 10 49 55 468.1 11.36 324.57
 100.00 15 47 22 5311.25 29.83 241.02 20.63 92.06 17 15 53 4711.2 29.80 232.22
 110.00 11 1 35 975.65 3.94 322.06 11.91 123.98 11 17 51 375.7 8.37 315.78
 110.00 17 34 23 4976.44 34.05 215.54 20.58 86.85 18 57 19 4376.4 33.24 206.40

DIFFERENTIAL CORRECTIONS

TDE .8115 TRA -.8654 TC3 .9018 BAU .1855
 RDE -.0293 RRA -.1202 RC3 .4380 FAU .05718
 FDE-2.0758 FRA 1.2396 FC3-3.5771 BSP 6642
 BDE .8121 BRA .8738 BC3 1.0025 FSP -1177

MID-COURSE EXECUTION ACCURACY

SGT 2034.4 SGR 386.3 SG3 402.2
 RRT .5821 RRF -.6371 RTF -.9322
 SGB 2070.8 R23 -.1002 R13 -.9340
 SG1 2047.1 SG2 312.2 THA 6.46

ORBIT DETERMINATION ACCURACY

ST 1324.4 SR 76.4 SS 1652.4
 CRT -.2939 CRS -.4246 CST .9897
 LSA 2112.7 MSA 163.6 SSA 13.5
 EL1 1324.6 EL2 73.0 ALF 179.03

LAUNCH DATE MAY 23 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 325.220

RL 151.46 LAL -.00 LOL 241.20 VL 26.552 GAL 2.63 AZL 94.25 HCA 137.66 SMA 126.69 ECC .20057 INC 4.2513 V1 29.417
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.406 GAP -8.13 AZP 86.85 TAL 169.40 TAP 307.06 RCA 101.28 APO 152.11 V2 34.932
 RC 56.016 GL -32.42 GP 8.85 ZAL 75.94 ZAP 24.00 ETS 338.93 ZAE 146.68 ETE 30.57 ZAC 86.79 ETC 13.30 CLP -22.40

PLANETOCENTRIC CONIC

C3 13.450 VHL 3.667 DLA -24.94 RAL 155.55 RAD 6567.5 VEL 11.612 PTH 2.03 VHP 5.547 DPA 12.52 RAP 181.81 ECC 1.2213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 41 41 1202.36 11.12 343.04 13.80 116.21 10 1 43 602.4 14.56 336.04
 90.00 13 43 49 5689.29 27.70 268.67 18.88 96.12 15 18 38 5089.3 28.26 260.04
 100.00 10 40 26 1012.68 9.36 328.18 12.88 118.52 10 57 19 412.7 13.10 321.38
 100.00 15 27 45 5354.20 29.68 244.20 19.07 93.73 16 56 59 4754.2 29.88 235.41
 110.00 11 5 41 933.49 5.54 319.85 10.55 123.79 11 21 14 333.5 9.94 313.52
 110.00 17 19 0 5006.15 34.14 217.86 19.16 88.21 18 42 26 4406.1 33.52 208.67

DIFFERENTIAL CORRECTIONS

TDE .8287 TRA -.8230 TC3 .9581 BAU .1927
 RDE .0075 RRA -.1220 RC3 .4800 FAU .06258
 FDE -2.3296 FRA 1.2784 FC3-4.0283 BSP 6749
 BDE .8288 BRA .8320 BC3 1.0717 FSP -1325

MID-COURSE EXECUTION ACCURACY

SGT 2044.8 SGR 410.3 SG3 447.5
 RRT .6684 RRF -.7276 RTF -.9359
 SGB 2085.5 R23 -.1183 R13 -.9385
 SG1 2063.5 SG2 302.4 THA 7.81

ORBIT DETERMINATION ACCURACY

ST 1363.0 SR 65.0 SS 1773.4
 CRT .4765 CRS .3544 CST .9905
 LSA 2231.9 MSA 160.1 SSA 12.7
 EL1 1363.3 EL2 57.1 ALF 1.30

LAUNCH DATE MAY 23 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 331.854

RL 151.46 LAL -.00 LOL 241.20 VL 26.621 GAL 2.48 AZL 94.37 HCA 140.85 SMA 127.14 ECC .19591 INC 4.3676 V1 29.417
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.467 GAP -7.52 AZP 86.61 TAL 169.72 TAP 310.57 RCA 102.23 APO 152.05 V2 34.945
 RC 57.792 GL -33.92 GP 10.02 ZAL 76.87 ZAP 26.89 ETS 338.96 ZAE 146.25 ETE 31.48 ZAC 86.01 ETC 13.12 CLP -25.08

PLANETOCENTRIC CONIC

C3 13.172 VHL 3.629 DLA -25.99 RAL 154.13 RAD 6567.5 VEL 11.600 PTH 2.03 VHP 5.245 DPA 13.37 RAP 182.78 ECC 1.2168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 31 1127.96 13.32 338.68 12.85 115.22 10 15 18 528.0 16.61 331.55
 90.00 13 17 39 5754.63 27.14 273.36 17.29 98.41 14 53 34 5154.6 28.02 264.81
 100.00 10 50 46 952.74 11.29 324.77 11.81 117.86 11 6 39 352.7 14.93 317.87
 100.00 15 6 4 5405.08 29.39 247.96 17.61 95.69 16 36 10 4805.1 29.87 239.19
 110.00 11 10 38 890.40 7.16 317.57 9.33 123.51 11 25 29 290.4 11.52 311.19
 110.00 17 2 42 5040.19 34.18 220.52 17.88 89.79 18 26 42 4440.2 33.78 211.30

DIFFERENTIAL CORRECTIONS

TDE .8413 TRA -.7821 TC3 .9905 BAU .1977
 RDE .0506 RRA -.1259 RC3 .5289 FAU .06839
 FDE -2.6193 FRA 1.3197 FC3-4.4947 BSP 6773
 BDE .8428 BRA .7922 BC3 1.1229 FSP -1483

MID-COURSE EXECUTION ACCURACY

SGT 2041.5 SGR 450.2 SG3 497.2
 RRT .7463 RRF -.8089 RTF -.9382
 SGB 2090.6 R23 -.1408 R13 -.9418
 SG1 2069.6 SG2 295.6 THA 9.54

ORBIT DETERMINATION ACCURACY

ST 1390.8 SR 104.5 SS 1900.9
 CRT .9203 CRS .8619 CST .9910
 LSA 2352.3 MSA 158.0 SSA 11.8
 EL1 1394.1 EL2 40.8 ALF 3.96

LAUNCH DATE MAY 23 1967

FLIGHT TIME 130.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 338.473

RL 151.46 LAL -.00 LOL 241.20 VL 26.683 GAL 2.34 AZL 94.50 HCA 144.04 SMA 127.55 ECC .19171 INC 4.5010 V1 29.417
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.523 GAP -6.93 AZP 86.35 TAL 170.03 TAP 314.07 RCA 103.10 APO 152.00 V2 34.957
 RC 59.590 GL -35.46 GP 11.43 ZAL 77.78 ZAP 30.01 ETS 338.83 ZAE 145.92 ETE 32.98 ZAC 85.36 ETC 12.93 CLP -27.93

PLANETOCENTRIC CONIC

C3 13.007 VHL 3.606 DLA -27.08 RAL 152.71 RAD 6567.5 VEL 11.593 PTH 2.03 VHP 4.964 DPA 14.52 RAP 183.71 ECC 1.2141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 18 8 1033.90 15.97 333.05 12.25 113.70 10 35 22 433.9 19.04 325.72
 90.00 12 44 41 5843.25 26.10 279.64 15.67 101.39 14 22 4 5243.2 27.41 271.22
 100.00 11 4 19 884.67 13.42 320.84 11.00 116.96 11 19 4 284.7 16.93 313.81
 100.00 14 41 10 5467.71 28.88 252.55 16.21 98.05 16 12 18 4867.7 29.70 243.84
 110.00 11 16 49 845.42 8.85 315.18 8.30 123.15 11 30 55 245.4 13.15 308.72
 110.00 16 45 10 5079.72 34.15 223.61 16.73 91.61 18 9 49 4479.7 34.00 214.36

DIFFERENTIAL CORRECTIONS

TDE .8510 TRA -.7412 TC3 1.0014 BAU .2018
 RDE .1026 RRA -.1321 RC3 .5866 FAU .07465
 FDE -2.9524 FRA 1.3613 FC3-4.9684 BSP 6759
 BDE .8572 BRA .7528 BC3 1.1605 FSP -1656

MID-COURSE EXECUTION ACCURACY

SGT 2024.5 SGR 511.0 SG3 551.5
 RRT .8098 RRF -.8748 RTF -.9396
 SGB 2088.0 R23 -.1662 R13 -.9450
 SG1 2067.3 SG2 293.6 THA 11.79

ORBIT DETERMINATION ACCURACY

ST 1409.2 SR 178.2 SS 2036.4
 CRT .9908 CRS .9666 CST .9914
 LSA 2477.8 MSA 156.6 SSA 10.9
 EL1 1420.2 EL2 23.9 ALF 7.14

LAUNCH DATE MAY 23 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 345.074

RL 151.46 LAL -.00 LOL 241.20 VL 26.739 GAL 2.22 AZL 94.66 HCA 147.23 SMA 127.91 ECC .18795 INC 4.6569 V1 29.417
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.574 GAP -6.36 AZP 86.08 TAL 170.32 TAP 317.55 RCA 103.87 APO 151.96 V2 34.970
 RC 61.464 GL -37.05 GP 13.15 ZAL 78.65 ZAP 33.40 ETS 338.57 ZAE 145.65 ETE 35.16 ZAC 84.82 ETC 12.75 CLP -30.98

PLANETOCENTRIC CONIC

C3 12.962 VHL 3.600 DLA -28.24 RAL 151.28 RAD 6567.5 VEL 11.591 PTH 2.03 VHP 4.706 DPA 16.01 RAP 184.59 ECC 1.2133
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 7 27 853.05 20.56 321.77 12.57 109.91 11 21 40 253.1 23.09 314.01
 90.00 11 43 59 734.56 23.11 314.01 13.49 106.83 11 56 14 134.6 25.20 305.97
 100.00 11 23 47 800.20 15.97 315.87 10.55 115.61 11 37 7 200.2 19.29 308.64
 100.00 14 10 21 5550.68 27.95 258.53 14.82 101.07 15 42 51 4950.7 29.19 249.95
 110.00 11 24 46 797.08 10.64 312.58 7.49 122.68 11 38 3 197.1 14.87 306.03
 110.00 16 25 51 5126.57 34.00 227.26 15.74 93.77 17 51 17 4526.6 34.15 218.01

DIFFERENTIAL CORRECTIONS

TDE .8600 TRA -.6973 TC3 .9966 BAU .2068
 RDE .1673 RRA -.1405 RC3 .6561 FAU .08154
 FDE -3.3395 FRA 1.3940 FC3-5.4462 BSP 6782
 BDE .8761 BRA .7113 BC3 1.1931 FSP -1856

MID-COURSE EXECUTION ACCURACY

SGT 1993.6 SGR 598.8 SG3 610.7
 RRT .8572 RRF -.9231 RTF -.9409
 SGB 2081.6 R23 -.1904 R13 -.9489
 SG1 2060.1 SG2 298.5 THA 14.75

ORBIT DETERMINATION ACCURACY

ST 1420.0 SR 277.4 SS 2183.0
 CRT .9993 CRS .9902 CST .9918
 LSA 2614.3 MSA 155.0 SSA 9.9
 EL1 1446.8 EL2 10.1 ALF 11.05

LAUNCH DATE MAY 23 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 351.658

RL 151.46 LAL -.00 LOL 241.20 VL 26.789 GAL 2.11 AZL 94.84 HCA 150.43 SMA 128.24 ECC .18462 INC 4.8423 V1 29.417
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.622 GAP -5.80 AZP 85.79 TAL 170.59 TAP 321.02 RCA 104.57 APO 151.92 V2 34.983
 RC 63.388 GL -38.72 GP 15.25 ZAL 79.47 ZAP 37.11 ETS 338.19 ZAE 145.32 ETE 38.15 ZAC 84.40 ETC 12.57 CLP -34.25

PLANETOCENTRIC CONIC

C3 13.052 VHL 3.613 DLA -29.48 RAL 149.85 RAD 6567.5 VEL 11.595 PTH 2.03 VHP 4.473 DPA 17.94 RAP 185.46 ECC 1.2148
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.42 10 9 34 1022.82 22.72 335.05 12.06 109.32 10 26 37 422.8 25.14 327.13
 98.58 12 30 27 5855.83 22.73 279.55 12.06 109.30 14 8 3 5255.8 25.15 271.62
 100.00 11 59 53 665.69 19.74 307.66 10.83 112.91 12 10 58 65.7 22.67 300.09
 100.00 13 22 50 5688.19 25.77 268.17 13.12 105.69 14 57 38 5088.2 27.68 259.88
 110.00 11 35 24 742.84 12.61 309.62 6.97 122.04 11 47 46 142.8 16.75 302.96
 110.00 16 3 48 5183.80 33.66 231.69 14.88 96.37 17 30 12 4583.8 34.17 222.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8625 TRA -.6550 TC3 .9568 BAU .2108
 RDE .2493 RRA -.1522 RC3 .7372 FAU .08839
 FDE -3.7755 FRA 1.4223 FC3 -5.8627 BSP 6737
 BDE .8978 BRA .6724 BC3 1.2079 FSP -2057

SGT 1942.4 SGR 719.0 SG3 672.1
 RRT .8878 RRF -.9552 RTF -.9405
 SGB 2071.2 R23 -.2122 R13 -.9528
 SG1 2047.2 SG2 313.9 THA 18.65

ST 1414.0 SR 404.4 SS 2333.9
 CRT .9985 CRS .9968 CST .9919
 LSA 2754.3 MSA 154.4 SSA 8.9
 EL1 1470.5 EL2 21.2 ALF 15.94

LAUNCH DATE MAY 23 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 358.224

RL 151.46 LAL -.00 LOL 241.20 VL 26.833 GAL 2.02 AZL 95.07 HCA 153.62 SMA 128.54 ECC .18167 INC 5.0684 V1 29.417
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.665 GAP -5.26 AZP 85.46 TAL 170.83 TAP 324.46 RCA 105.18 APO 151.89 V2 34.996
 RC 65.357 GL -40.50 GP 17.85 ZAL 80.25 ZAP 41.18 ETS 337.72 ZAE 144.78 ETE 42.06 ZAC 84.09 ETC 12.40 CLP -37.75

PLANETOCENTRIC CONIC

C3 13.307 VHL 3.648 DLA -30.85 RAL 148.40 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 4.271 DPA 20.41 RAP 186.38 ECC 1.2190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.22 9 32 10 1127.64 23.63 343.22 11.29 110.44 9 50 58 527.6 26.19 335.28
 102.78 12 56 15 5759.37 23.64 272.71 11.30 110.42 14 32 15 5159.4 26.20 264.77
 77.22 9 32 10 1127.64 23.63 343.22 11.29 110.44 9 50 58 527.6 26.19 335.28
 102.78 12 56 15 5759.37 23.64 272.71 11.30 110.42 14 32 15 5159.4 26.20 264.77
 110.00 11 50 24 677.81 14.93 306.01 6.85 121.11 12 1 42 77.8 18.94 299.19
 110.00 15 37 12 5257.20 32.96 237.31 14.13 99.62 17 4 49 4657.2 33.94 228.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8587 TRA -.6132 TC3 .8858 BAU .2161
 RDE .3560 RRA -.1672 RC3 .8314 FAU .09492
 FDE -4.2612 FRA 1.4370 FC3 -6.1757 BSP 6672
 BDE .9296 BRA .6356 BC3 1.2149 FSP -2255

SGT 1869.6 SGR 879.9 SG3 733.2
 RRT .9054 RRF -.9750 RTF -.9385
 SGB 2066.3 R23 -.2250 R13 -.9577
 SG1 2037.7 SG2 342.8 THA 23.79

ST 1390.3 SR 567.0 SS 2487.5
 CRT .9965 CRS .9989 CST .9919
 LSA 2901.4 MSA 154.6 SSA 7.9
 EL1 1500.8 EL2 44.0 ALF 22.14

LAUNCH DATE MAY 23 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 364.772

RL 151.46 LAL -.00 LOL 241.20 VL 26.871 GAL 1.94 AZL 95.35 HCA 156.82 SMA 128.79 ECC .17910 INC 5.3521 V1 29.417
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.705 GAP -4.73 AZP 85.08 TAL 171.05 TAP 327.87 RCA 105.73 APO 151.86 V2 35.009
 RC 67.365 GL -42.45 GP 21.13 ZAL 80.99 ZAP 45.68 ETS 337.17 ZAE 143.78 ETE 46.97 ZAC 83.85 ETC 12.25 CLP -41.49

PLANETOCENTRIC CONIC

C3 13.778 VHL 3.712 DLA -32.38 RAL 146.89 RAD 6567.5 VEL 11.626 PTH 2.04 VHP 4.109 DPA 23.58 RAP 187.43 ECC 1.2267
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.59 9 1 11 1213.58 24.55 350.12 10.78 111.80 9 21 25 613.6 27.29 342.18
 106.41 13 15 14 5688.59 24.56 267.75 10.79 111.79 14 50 2 5088.6 27.30 259.80
 73.59 9 1 11 1213.58 24.55 350.12 10.78 111.80 9 21 25 613.6 27.29 342.18
 106.41 13 15 14 5688.59 24.56 267.75 10.79 111.79 14 50 2 5088.6 27.30 259.80
 110.00 12 14 8 5877.52 17.97 278.87 7.39 119.58 13 52 6 5277.5 21.77 271.80
 110.00 15 1 27 5360.68 31.52 245.03 13.33 103.98 16 30 48 4760.7 33.11 236.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8510 TRA -.5695 TC3 .7896 BAU .2260
 RDE .4995 RRA -.1851 RC3 .9389 FAU .10068
 FDE -4.7950 FRA 1.4203 FC3 -6.3261 BSP 6722
 BDE .9868 BRA .5988 BC3 1.2268 FSP -2452

SGT 1775.6 SGR 1093.1 SG3 789.9
 RRT .9138 RRF -.9866 RTF -.9350
 SGB 2085.1 R23 -.2204 R13 -.9652
 SG1 2049.3 SG2 384.7 THA 30.55

ST 1350.3 SR 778.0 SS 2642.4
 CRT .9947 CRS .9996 CST .9917
 LSA 3063.8 MSA 154.5 SSA 6.9
 EL1 1556.8 EL2 69.7 ALF 29.88

LAUNCH DATE MAY 23 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 371.301

RL 151.46 LAL -.00 LOL 241.20 VL 26.905 GAL 1.87 AZL 95.72 HCA 160.02 SMA 129.02 ECC .17687 INC 5.7215 V1 29.417
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.741 GAP -4.21 AZP 84.62 TAL 171.22 TAP 331.25 RCA 106.20 APO 151.84 V2 35.023
 RC 69.409 GL -44.63 GP 25.29 ZAL 81.69 ZAP 50.67 ETS 336.59 ZAE 141.97 ETE 52.81 ZAC 83.64 ETC 12.13 CLP -45.49

PLANETOCENTRIC CONIC

C3 14.561 VHL 3.816 DLA -34.15 RAL 145.28 RAD 6567.6 VEL 11.660 PTH 2.05 VHP 3.999 DPA 27.63 RAP 188.79 ECC 1.2396
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.06 8 32 30 1294.34 25.49 356.79 10.60 113.53 8 54 4 694.3 28.45 348.86
 109.94 13 31 4 5632.21 25.50 263.83 10.61 113.52 15 4 57 5032.2 28.46 255.90
 70.06 8 32 30 1294.34 25.49 356.79 10.60 113.53 8 54 4 694.3 28.45 348.86
 109.94 13 31 4 5632.21 25.50 263.83 10.61 113.52 15 4 57 5032.2 28.46 255.90
 110.00 13 19 46 5666.68 24.54 266.04 10.13 114.58 14 54 12 5066.7 27.64 258.25
 110.00 13 42 59 5595.90 26.46 261.44 11.06 112.47 15 16 15 4995.9 29.27 253.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8352 TRA -.5280 TC3 .6594 BAU .2417
 RDE .6971 RRA -.2058 RC3 1.0518 FAU .10409
 FDE -5.3432 FRA 1.3625 FC3 -6.1887 BSP 6877
 BDE 1.0879 BRA .5667 BC3 1.2414 FSP -2600

SGT 1656.4 SGR 1370.9 SG3 832.2
 RRT .9135 RRF -.9929 RTF -.9280
 SGB 2150.1 R23 -.1968 R13 -.9746
 SG1 2104.9 SG2 439.0 THA 39.11

ST 1286.7 SR 1052.9 SS 2784.5
 CRT .9929 CRS .9999 CST .9911
 LSA 3239.3 MSA 155.6 SSA 5.9
 EL1 1659.8 EL2 97.0 ALF 39.25

LAUNCH DATE MAY 23 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 377.810

RL 151.46 LAL -.00 LOL 241.20 VL 26.933 GAL 1.82 AZL 96.23 HCA 163.23 SMA 129.21 ECC .17497 INC 6.2255 V1 29.417
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.774 GAP -3.71 AZP 84.04 TAL 171.36 TAP 334.59 RCA 106.60 APO 151.82 V2 35.036
 RC 71.485 GL -47.17 GP 30.68 ZAL 82.39 ZAP 56.23 ETS 336.03 ZAE 138.86 ETE 59.32 ZAC 83.35 ETC 12.03 CLP -49.73

PLANETOCENTRIC CONIC

C3 15.845 VHL 3.981 DLA -36.24 RAL 143.48 RAD 6567.6 VEL 11.714 PTH 2.06 VHP 3.970 DPA 32.82 RAP 190.78 ECC 1.2608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.37 8 4 15 1376.72 26.40 3.77 10.84 115.79 8 27 11 776.7 29.64 355.90
 113.63 13 44 57 5587.77 26.41 260.77 10.85 115.77 15 18 5 4987.8 29.65 252.90
 66.37 8 4 15 1376.72 26.40 3.77 10.84 115.79 8 27 11 776.7 29.64 355.90
 113.63 13 44 57 5587.77 26.41 260.77 10.85 115.77 15 18 5 4987.8 29.65 252.90
 66.37 8 4 15 1376.72 26.40 3.77 10.84 115.79 8 27 11 776.7 29.64 355.90
 113.63 13 44 57 5587.77 26.41 260.77 10.85 115.77 15 18 5 4987.8 29.65 252.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8158 TRA -.4870 TC3 .5086 BAU .2676 SGT 1516.0 SGR 1731.2 SG3 846.8 ST 1202.9 SR 1415.2 SS 2898.7
 RDE .9794 RRA -.2260 RC3 1.1561 FAU .10348 RRT .9063 RRF -.9963 RTF -.9171 CRT .9911 CRS 1.0000 CST .9902
 FDE-5.8523 FRA 1.2326 FC3-5.6537 BSP 7312 SGB 2301.1 R23 -.1528 R13 -.9851 LSA 3439.1 MSA 156.6 SSA 4.9
 BDE 1.2747 BRA .5368 BC3 1.2631 FSP -2660 SG1 2247.6 SG2 493.5 THA 49.18 EL1 1853.3 EL2 122.0 ALF 49.68

LAUNCH DATE MAY 23 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 384.298

RL 151.46 LAL -.00 LOL 241.20 VL 26.958 GAL 1.78 AZL 96.96 HCA 166.43 SMA 129.38 ECC .17338 INC 6.9597 V1 29.417
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.804 GAP -3.22 AZP 83.23 TAL 171.46 TAP 337.88 RCA 106.95 APO 151.81 V2 35.049
 RC 73.590 GL -50.23 GP 37.74 ZAL 83.11 ZAP 62.42 ETS 335.60 ZAE 133.79 ETE 65.96 ZAC 82.81 ETC 11.89 CLP -54.17

PLANETOCENTRIC CONIC

C3 18.044 VHL 4.248 DLA -38.80 RAL 141.32 RAD 6567.7 VEL 11.808 PTH 2.09 VHP 4.076 DPA 39.44 RAP 194.06 ECC 1.2970
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.29 7 34 47 1467.53 27.14 11.61 11.68 118.85 7 59 15 867.5 30.77 3.88
 117.71 13 57 12 5556.75 27.16 258.67 11.69 118.84 15 29 48 4956.8 30.78 250.94
 62.29 7 34 47 1467.53 27.14 11.61 11.68 118.85 7 59 15 867.5 30.77 3.88
 117.71 13 57 12 5556.75 27.16 258.67 11.69 118.84 15 29 48 4956.8 30.78 250.94
 62.29 7 34 47 1467.53 27.14 11.61 11.68 118.85 7 59 15 867.5 30.77 3.88
 117.71 13 57 12 5556.75 27.16 258.67 11.69 118.84 15 29 48 4956.8 30.78 250.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7991 TRA -.4487 TC3 .3489 BAU .3059 SGT 1361.1 SGR 2192.5 SG3 812.2 ST 1102.8 SR 1892.8 SS 2952.4
 RDE 1.4001 RRA -.2369 RC3 1.2190 FAU .09617 RRT .8917 RRF -.9980 RTF -.9006 CRT .9891 CRS 1.0000 CST .9886
 FDE-6.2035 FRA .9996 FC3-4.6139 BSP 8230 SGB 2580.6 R23 -.1000 R13 -.9933 LSA 3672.9 MSA 157.6 SSA 4.0
 BDE 1.6121 BRA .5074 BC3 1.2679 FSP -2576 SG1 2524.5 SG2 535.2 THA 59.52 EL1 2186.0 EL2 140.8 ALF 59.91

LAUNCH DATE MAY 23 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 390.762

RL 151.46 LAL -.00 LOL 241.20 VL 26.978 GAL 1.75 AZL 98.14 HCA 169.63 SMA 129.52 ECC .17208 INC 8.1378 V1 29.417
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.830 GAP -2.74 AZP 81.99 TAL 171.50 TAP 341.13 RCA 107.23 APO 151.80 V2 35.062
 RC 75.721 GL -54.06 GP 47.09 ZAL 83.93 ZAP 69.26 ETS 335.42 ZAE 126.01 ETE 72.00 ZAC 81.75 ETC 11.50 CLP -58.66

PLANETOCENTRIC CONIC

C3 22.225 VHL 4.714 DLA -41.99 RAL 138.52 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 4.445 DPA 47.73 RAP 200.17 ECC 1.3658
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.59 7 2 24 1576.64 27.34 21.04 13.44 123.20 7 28 40 976.6 31.50 13.61
 122.41 14 7 12 5546.85 27.36 257.97 13.45 123.19 15 39 39 4946.9 31.52 250.53
 57.59 7 2 24 1576.64 27.34 21.04 13.44 123.20 7 28 40 976.6 31.50 13.61
 122.41 14 7 12 5546.85 27.36 257.97 13.45 123.19 15 39 39 4946.9 31.52 250.53
 57.59 7 2 24 1576.64 27.34 21.04 13.44 123.20 7 28 40 976.6 31.50 13.61
 122.41 14 7 12 5546.85 27.36 257.97 13.45 123.19 15 39 39 4946.9 31.52 250.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8111 TRA -.4157 TC3 .2048 BAU .3558 SGT 1212.9 SGR 2768.1 SG3 702.5 ST 1006.7 SR 2513.2 SS 2890.6
 RDE 2.0660 RRA -.2119 RC3 1.1799 FAU .07935 RRT .8714 RRF -.9989 RTF -.8800 CRT .9868 CRS 1.0000 CST .9868
 FDE-6.1874 FRA .6323 FC3-3.0908 BSP 9891 SGB 3022.1 R23 -.0544 R13 -.9976 LSA 3957.3 MSA 158.0 SSA 3.2
 BDE 2.2195 BRA .4666 BC3 1.1976 FSP -2281 SG1 2970.8 SG2 554.5 THA 68.31 EL1 2703.1 EL2 151.7 ALF 68.36

LAUNCH DATE MAY 23 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 397.205

RL 151.46 LAL -.00 LOL 241.20 VL 26.994 GAL 1.75 AZL 100.35 HCA 172.82 SMA 129.63 ECC .17106 INC 10.3531 V1 29.417
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.854 GAP -2.27 AZP 79.73 TAL 171.49 TAP 344.31 RCA 107.45 APO 151.80 V2 35.075
 RC 77.874 GL -58.99 GP 59.50 ZAL 84.99 ZAP 76.52 ETS 335.32 ZAE 114.66 ETE 76.34 ZAC 79.75 ETC 10.01 CLP -62.65

PLANETOCENTRIC CONIC

C3 32.012 VHL 5.658 DLA -46.01 RAL 134.53 RAD 6568.3 VEL 12.385 PTH 2.24 VHP 5.451 DPA 57.33 RAP 213.26 ECC 1.5268
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.09 6 24 52 1724.36 25.79 33.10 16.71 129.52 6 53 36 1124.4 30.70 26.35
 127.91 14 12 56 5579.92 25.80 259.67 16.72 129.52 15 45 56 4979.9 30.71 252.91
 52.09 6 24 52 1724.36 25.79 33.10 16.71 129.52 6 53 36 1124.4 30.70 26.35
 127.91 14 12 56 5579.92 25.80 259.67 16.72 129.52 15 45 56 4979.9 30.71 252.91
 52.09 6 24 52 1724.36 25.79 33.10 16.71 129.52 6 53 36 1124.4 30.70 26.35
 127.91 14 12 56 5579.92 25.80 259.67 16.72 129.52 15 45 56 4979.9 30.71 252.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .8953 TRA -.4510 TC3 .0372 BAU .3545 SGT 1120.8 SGR 3323.7 SG3 484.6 ST 927.9 SR 3180.7 SS 2552.7
 RDE 3.1399 RRA -.1672 RC3 .8276 FAU .04482 RRT .8275 RRF -.9992 RTF -.8397 CRT .9817 CRS 1.0000 CST .9823
 FDE-5.3507 FRA .3221 FC3-1.2122 BSP 10263 SGB 3507.6 R23 -.0276 R13 -.9991 LSA 4179.0 MSA 171.3 SSA 2.3
 BDE 3.2651 BRA .4810 BC3 .8284 FSP -1410 SG1 3454.9 SG2 605.4 THA 73.90 EL1 3308.9 EL2 169.7 ALF 73.97

LAUNCH DATE MAY 23 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 403.590

RL 151.46 LAL -.00 LOL 241.20 VL 27.007 GAL 1.75 AZL 106.08 HCA 176.00 SMA 129.72 ECC .17031 INC16.0759 V1 29.417
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.875 GAP -1.83 AZP 73.96 TAL 171.40 TAP 347.40 RCA 107.62 APO 151.81 V2 35.088
 RC 80.046 GL -64.83 GP 76.17 ZAL 86.54 ZAP 83.51 ETS 329.52 ZAE 98.52 ETE 72.55 ZAC 76.16 ETC .38 CLP -61.79

PLANETOCENTRIC CONIC

C3 68.214 VHL 8.259 DLA -50.42 RAL 128.65 RAD 6569.3 VEL 13.768 PTH 2.52 VHP 8.657 DPA 64.70 RAP 244.79 ECC 2.1226
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.37 5 41 54 1960.44 18.56 48.69 22.52 137.77 6 14 34 1360.4 24.39 43.22
 133.63 14 8 59 5720.15 18.58 265.88 22.53 137.76 15 44 19 5120.2 24.40 260.40
 46.37 5 41 54 1960.44 18.56 48.69 22.52 137.77 6 14 34 1360.4 24.39 43.22
 133.63 14 8 59 5720.15 18.58 265.88 22.53 137.76 15 44 19 5120.2 24.40 260.40
 46.37 5 41 54 1960.44 18.56 48.69 22.52 137.77 6 14 34 1360.4 24.39 43.22
 133.63 14 8 59 5720.15 18.58 265.88 22.53 137.76 15 44 19 5120.2 24.40 260.40

DIFFERENTIAL CORRECTIONS

TDE 2.2835 TRA -.5050 TC3 .0256 BAU .2520
 RDE 5.3084 RRA .2413 RC3 .2751 FAU .01182
 FDE-3.8969 FRA -.0606 FC3 -.1501 BSP 12446
 BDE 5.7787 BRA .5597 BC3 .2763 FSP -699

MID-COURSE EXECUTION ACCURACY

SGT 1677.4 SGR 3719.8 SG3 234.6
 RRT .9149 RRF -.9984 RTF -.9345
 SGB 4080.5 R23 -.0134 R13 -.9997
 SG1 4032.4 SG2 624.7 THA 67.00

ORBIT DETERMINATION ACCURACY

ST 1592.7 SR 3683.4 SS 2022.2
 CRT .9922 CRS .9999 CST .9938
 LSA 4490.0 MSA 183.0 SSA 1.2
 EL1 4008.8 EL2 182.7 ALF 66.73

LAUNCH DATE MAY 23 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 409.625

RL 151.46 LAL -.00 LOL 241.20 VL 27.017 GAL 1.84 AZL 145.55 HCA 178.88 SMA 129.78 ECC .16999 INC55.5470 V1 29.417
 RP 107.96 LAP -.93 LOP 60.56 VP 37.893 GAP -1.47 AZP 34.46 TAL 170.97 TAP 349.85 RCA 107.72 APO 151.84 V2 35.101
 RC 82.236 GL -57.57 GP 68.26 ZAL 88.83 ZAP 88.67 ETS 180.66 ZAE 64.55 ETE 284.84 ZAC 66.47 ETC 198.95 CLP 86.41

PLANETOCENTRIC CONIC

C3 696.018 VHL 26.382 DLA -42.74 RAL 130.76 RAD 6572.7 VEL 28.589 PTH 3.43 VHP 32.257 DPA 48.27 RAP 303.08 ECC12.4547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.54 6 27 2 2212.40 .61 53.89 40.08 132.74 7 3 54 1612.4 6.02 48.41
 123.46 13 40 40 870.58 .62 310.81 40.10 132.74 13 55 11 270.6 6.04 305.33
 56.54 6 27 2 2212.40 .61 53.89 40.08 132.74 7 3 54 1612.4 6.02 48.41
 123.46 13 40 40 870.58 .62 310.81 40.10 132.74 13 55 11 270.6 6.04 305.33
 56.54 6 27 2 2212.40 .61 53.89 40.08 132.74 7 3 54 1612.4 6.02 48.41
 123.46 13 40 40 870.58 .62 310.81 40.10 132.74 13 55 11 270.6 6.04 305.33

DIFFERENTIAL CORRECTIONS

TDE 6.6497 TRA 1.8976 TC3 -.1067 BAU 2.6840
 RD-15.7832 RRA .5378 RC3 .2680 FAU-.04618
 FDE-3.5950 FRA .0947 FC3 .0574 BSP 9967
 BDE17.1268 BRA 1.9723 BC3 .2884 FSP -179

MID-COURSE EXECUTION ACCURACY

SGT 1648.4 SGR 3711.4 SG3 72.4
 RRT -.9246 RRF .9997 RTF -.9284
 SGB 4061.0 R23 -.0502 R13 .9985
 SG1 4019.4 SG2 579.7 THA 112.83

ORBIT DETERMINATION ACCURACY

ST 1454.0 SR 3428.3 SS 2176.2
 CRT -.9916 CRS-1.0000 CST .9920
 LSA 4309.6 MSA 176.4 SSA 1.4
 EL1 3719.9 EL2 173.7 ALF 112.86

LAUNCH DATE MAY 23 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 416.694

RL 151.46 LAL -.00 LOL 241.20 VL 27.023 GAL 1.74 AZL 73.95 HCA 182.68 SMA 129.82 ECC .16931 INC16.0471 V1 29.417
 RP 107.92 LAP -.74 LOP 63.78 VP 37.909 GAP -.85 AZP 106.03 TAL 171.42 TAP 354.10 RCA 107.84 APO 151.80 V2 35.113
 RC 84.440 GL 64.93 GP -86.63 ZAL 86.58 ZAP 88.43 ETS 20.16 ZAE 97.56 ETE 279.63 ZAC 103.84 ETC 359.39 CLP -62.15

PLANETOCENTRIC CONIC

C3 67.948 VHL 8.243 DLA 62.95 RAL 209.36 RAD 6569.3 VEL 13.759 PTH 2.51 VHP 12.577 DPA -65.00 RAP 105.94 ECC 2.1183
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.10 22 20 10 4688.59 -21.65 232.21 107.68 29.29 23 38 18 4088.6 -28.57 228.18
 148.90 8 14 39 2990.14 -21.64 91.24 107.66 29.29 9 4 29 2390.1 -28.56 87.21
 31.10 22 20 10 4688.59 -21.65 232.21 107.68 29.29 23 38 18 4088.6 -28.57 228.18
 148.90 8 14 39 2990.14 -21.64 91.24 107.66 29.29 9 4 29 2390.1 -28.56 87.21
 31.10 22 20 10 4688.59 -21.65 232.21 107.68 29.29 23 38 18 4088.6 -28.57 228.18
 148.90 8 14 39 2990.14 -21.64 91.24 107.66 29.29 9 4 29 2390.1 -28.56 87.21

DIFFERENTIAL CORRECTIONS

TDE .8277 TRA .1136 TC3 -.0200 BAU .2648
 RDE .3967 RRA 2.9026 RC3 -.2908 FAU .00896
 FDE .0535 FRA 1.0554 FC3 -.1142 BSP 13439
 BDE .9179 BRA 2.9048 BC3 .2915 FSP -434

MID-COURSE EXECUTION ACCURACY

SGT 601.9 SGR 4471.5 SG3 140.4
 RRT .3512 RRF .9992 RTF .3148
 SGB 4511.8 R23 .0446 R13 .9990
 SG1 4476.6 SG2 562.9 THA 87.25

ORBIT DETERMINATION ACCURACY

ST 577.7 SR 1359.5 SS 527.5
 CRT .2903 CRS -.9919 CST -.1662
 LSA 1466.9 MSA 555.3 SSA .5
 EL1 1371.8 EL2 547.9 ALF 81.62

LAUNCH DATE MAY 23 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 422.980

RL 151.46 LAL -.00 LOL 241.20 VL 27.026 GAL 1.79 AZL 84.53 HCA 185.82 SMA 129.85 ECC .16928 INC 5.4725 V1 29.417
 RP 107.89 LAP -.55 LOP 66.99 VP 37.923 GAP -.44 AZP 95.44 TAL 171.14 TAP 356.96 RCA 107.87 APO 151.83 V2 35.125
 RC 86.655 GL 44.98 GP -67.91 ZAL 81.83 ZAP 89.29 ETS 2.78 ZAE 115.98 ETE 262.94 ZAC 109.36 ETC 351.07 CLP -88.12

PLANETOCENTRIC CONIC

C3 13.285 VHL 3.645 DLA 47.04 RAL 187.52 RAD 6567.5 VEL 11.605 PTH 2.03 VHP 6.257 DPA -50.29 RAP 129.16 ECC 1.2186
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.73 21 49 29 4171.50 -34.91 191.37 56.99 56.21 22 59 1 3571.5 -39.07 183.22
 129.27 5 51 3 2714.78 -34.90 77.71 56.98 56.20 6 36 18 2114.8 -39.06 69.56
 50.73 21 49 29 4171.50 -34.91 191.37 56.99 56.21 22 59 1 3571.5 -39.07 183.22
 129.27 5 51 3 2714.78 -34.90 77.71 56.98 56.20 6 36 18 2114.8 -39.06 69.56
 50.73 21 49 29 4171.50 -34.91 191.37 56.99 56.21 22 59 1 3571.5 -39.07 183.22
 129.27 5 51 3 2714.78 -34.90 77.71 56.98 56.20 6 36 18 2114.8 -39.06 69.56

DIFFERENTIAL CORRECTIONS

TDE .4474 TRA .3305 TC3 -.9636 BAU .5232
 RDE .4912 RRA 1.5096 RC3-2.7836 FAU .04822
 FDE .4964 FRA 1.6403 FC3-3.1425 BSP 13141
 BDE .6644 BRA 1.5453 BC3 2.9456 FSP -1228

MID-COURSE EXECUTION ACCURACY

SGT 1252.7 SGR 4103.4 SG3 388.0
 RRT .8994 RRF .9998 RTF .8962
 SGB 4290.4 R23 .0412 R13 .9989
 SG1 4257.8 SG2 527.9 THA 74.40

ORBIT DETERMINATION ACCURACY

ST 739.9 SR 1300.4 SS 745.5
 CRT .8141 CRS -.9994 CST -.7937
 LSA 1622.5 MSA 402.3 SSA 1.6
 EL1 1445.3 EL2 386.6 ALF 63.07

LAUNCH DATE MAY 23 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 429.315

RL 151.46 LAL -.00 LOL 241.20 VL 27.027 GAL 1.85 AZL 87.67 HCA 189.02 SMA 129.85 ECC .16942 INC 2.3290 V1 29.417
 RP 107.85 LAP -.37 LOP 70.21 VP 37.934 GAP -.02 AZP 92.30 TAL 170.87 TAP 359.89 RCA 107.85 APO 151.85 V2 35.137
 RC 88.880 GL 23.84 GP -55.08 ZAL 78.45 ZAP 92.47 ETS 357.45 ZAE 127.84 ETE 255.74 ZAC 112.76 ETC 353.22 CLP -94.32

PLANETOCENTRIC CONIC

C3 7.383 VHL 2.717 DLA 28.17 RAL 175.27 RAD 6567.2 VEL 11.348 PTH 1.96 VHP 4.576 DPA -38.52 RAP 136.63 ECC 1.1215
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 28 53 3243.75 -25.47 113.79 29.55 77.18 2 22 57 2643.8 -26.98 105.45
 90.00 0 37 52 3409.30 -22.49 125.01 28.67 72.33 1 34 41 2809.3 -24.70 117.03
 100.00 3 49 48 2789.42 -29.19 81.09 30.28 83.23 4 36 18 2189.4 -29.82 72.34
 100.00 0 59 38 3338.87 -18.96 118.42 27.24 66.45 1 55 17 2738.9 -21.98 110.93
 110.00 6 4 24 2368.15 -34.15 49.38 30.54 91.51 6 43 52 1768.2 -33.57 40.18
 110.00 1 1 32 3332.90 -14.54 115.58 24.85 58.72 1 57 5 2732.9 -18.58 108.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2091 TRA .3296 TC3-2.4384 BAU .5189 SGT 1603.7 SGR 3618.5 SG3 675.3 ST 501.9 SR 807.8 SS 664.5
 RDE .1053 RRA 1.0772 RC3-4.6574 FAU .08728 RRT .9449 RRF .9996 RTF .9436 CRT .6999 CRS -.9953 CST -.6278
 FDE .1441 FRA 2.2920 FC-10.2355 BSP 12212 SGB 3957.9 R23 .0553 R13 .9981 LSA 1104.5 MSA 355.2 SSA 3.7
 BDE .2341 BRA 1.1265 BC3 5.2571 FSP -2155 SG1 3928.3 SG2 483.7 THA 66.91 EL1 894.2 EL2 323.8 ALF 62.61

LAUNCH DATE MAY 23 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 435.643

RL 151.46 LAL -.00 LOL 241.20 VL 27.025 GAL 1.92 AZL 89.17 HCA 192.24 SMA 129.84 ECC .16975 INC .8248 V1 29.417
 RP 107.82 LAP -.17 LOP 73.43 VP 37.944 GAP .41 AZP 90.81 TAL 170.56 TAP 2.80 RCA 107.80 APO 151.88 V2 35.149
 RC 91.113 GL 8.93 GP -45.44 ZAL 76.73 ZAP 96.92 ETS 353.93 ZAE 135.82 ETE 247.50 ZAC 115.36 ETC 355.63 CLP -99.89

PLANETOCENTRIC CONIC

C3 6.283 VHL 2.507 DLA 14.27 RAL 169.39 RAD 6567.2 VEL 11.299 PTH 1.94 VHP 3.896 DPA -29.16 RAP 139.89 ECC 1.1034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 33 2436.38 -24.26 56.04 17.97 105.07 5 27 9 1836.4 -21.96 48.12
 90.00 20 29 21 4160.42 -1.24 169.77 15.26 61.71 21 38 41 3560.4 -5.01 163.13
 100.00 6 15 30 2149.52 -25.10 34.67 17.71 106.78 6 51 19 1549.5 -22.57 26.80
 100.00 21 43 5 3922.50 -.47 151.86 14.83 60.11 22 48 27 3322.5 -4.45 145.32
 110.00 7 40 46 1882.71 -27.30 13.56 16.86 111.41 8 12 9 1282.7 -24.15 5.82
 110.00 22 34 18 3762.08 1.50 138.45 13.60 55.85 23 37 0 3162.1 -2.99 132.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0087 TRA .3644 TC3-3.5725 BAU .4994 SGT 1986.6 SGR 3118.1 SG3 909.6 ST 264.1 SR 682.2 SS 823.6
 RDE -.1423 RRA .8414 RC3-4.7534 FAU .11749 RRT .9633 RRF .9994 RTF .9628 CRT .8371 CRS -.9915 CST -.7598
 FDE -.6286 FRA 2.7771 FC-16.1900 BSP 11379 SGB 3697.1 R23 .0767 R13 .9964 LSA 1088.1 MSA 171.8 SSA 10.2
 BDE .1426 BRA .9169 BC3 5.9462 FSP -2915 SG1 3669.2 SG2 493.3 THA 57.91 EL1 718.6 EL2 137.2 ALF 71.34

LAUNCH DATE MAY 23 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 441.959

RL 151.46 LAL -.00 LOL 241.20 VL 27.021 GAL 1.99 AZL 90.06 HCA 195.46 SMA 129.81 ECC .17027 INC .0560 V1 29.417
 RP 107.78 LAP .02 LOP 76.66 VP 37.951 GAP .82 AZP 89.94 TAL 170.21 TAP 5.67 RCA 107.71 APO 151.91 V2 35.160
 RC 93.352 GL -.66 GP -38.04 ZAL 75.77 ZAP 101.90 ETS 351.57 ZAE 140.76 ETE 238.24 ZAC 117.45 ETC 357.92 CLP-105.18

PLANETOCENTRIC CONIC

C3 6.189 VHL 2.488 DLA 5.13 RAL 166.33 RAD 6567.2 VEL 11.295 PTH 1.94 VHP 3.583 DPA -21.72 RAP 141.41 ECC 1.1018
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 28 2133.59 -17.52 36.42 12.61 112.60 6 24 1 1533.6 -14.31 29.22
 90.00 19 3 5 4458.13 8.27 186.48 11.59 62.82 20 17 23 3858.1 4.56 179.77
 100.00 7 12 14 1863.42 -18.23 16.23 12.29 114.11 7 43 17 1263.4 -14.82 9.10
 100.00 20 22 0 4203.53 8.95 167.40 11.22 61.36 21 32 4 3603.5 5.06 160.77
 110.00 8 26 1 1632.48 -20.09 357.73 11.32 118.25 8 53 13 1032.5 -16.16 350.81
 110.00 21 24 42 4007.23 10.74 151.43 10.15 57.35 22 31 30 3407.2 6.36 145.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1709 TRA .4170 TC3-4.2909 BAU .4923 SGT 2375.4 SGR 2658.2 SG3 1065.5 ST 492.7 SR 763.7 SS 1218.7
 RDE -.2583 RRA .6847 RC3-4.1216 FAU .13678 RRT .9722 RRF .9989 RTF .9722 CRT .9980 CRS -.9951 CST -.9966
 FDE -1.4309 FRA 3.0757 FC-19.1346 BSP 10925 SGB 3564.9 R23 .0997 R13 .9939 LSA 1518.6 MSA 66.7 SSA 23.7
 BDE .3097 BRA .8017 BC3 5.9498 FSP -3430 SG1 3540.4 SG2 417.5 THA 48.31 EL1 908.4 EL2 26.4 ALF 57.20

LAUNCH DATE MAY 23 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 448.259

RL 151.46 LAL -.00 LOL 241.20 VL 27.014 GAL 2.08 AZL 90.65 HCA 198.69 SMA 129.76 ECC .17098 INC .6463 V1 29.417
 RP 107.75 LAP .21 LOP 79.88 VP 37.956 GAP 1.24 AZP 89.39 TAL 169.81 TAP 8.49 RCA 107.58 APO 151.95 V2 35.170
 RC 95.596 GL -6.93 GP -32.25 ZAL 74.99 ZAP 106.97 ETS 350.01 ZAE 143.33 ETE 228.78 ZAC 119.12 ETC .03 CLP-110.19

PLANETOCENTRIC CONIC

C3 6.381 VHL 2.526 DLA -.99 RAL 164.72 RAD 6567.2 VEL 11.304 PTH 1.94 VHP 3.443 DPA -15.79 RAP 142.12 ECC 1.1050
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 41 1948.27 -12.34 25.28 10.53 115.69 7 0 9 1348.3 -8.79 18.41
 90.00 18 11 1 4653.81 14.13 197.87 10.73 65.20 19 28 34 4053.8 10.67 190.90
 100.00 7 48 34 1687.37 -13.03 5.75 10.18 117.14 8 16 41 1087.4 -9.28 358.96
 100.00 19 32 49 4389.94 14.82 178.12 10.40 63.74 20 45 59 3789.9 11.17 171.23
 110.00 8 55 45 1477.06 -14.84 348.74 9.14 121.15 9 20 22 877.1 -10.60 342.20
 110.00 20 42 7 4173.02 16.64 160.64 9.38 59.70 21 51 40 3573.0 12.50 153.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3384 TRA .4806 TC3-4.7621 BAU .4989 SGT 2750.6 SGR 2258.1 SG3 1149.8 ST 837.4 SR 781.8 SS 1559.1
 RDE -.2975 RRA .5751 RC3-3.3947 FAU .14623 RRT .9767 RRF .9980 RTF .9774 CRT .9923 CRS -.9959 CST -.9990
 FDE -2.0916 FRA 3.2439 FC-19.8384 BSP 10841 SGB 3558.8 R23 .1169 R13 .9912 LSA 1933.3 MSA 73.7 SSA 20.6
 BDE .4506 BRA .7495 BC3 5.8481 FSP -3702 SG1 3538.8 SG2 376.6 THA 39.25 EL1 1143.5 EL2 70.9 ALF 43.02

LAUNCH DATE MAY 23 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 454.540

RL 151.46 LAL -.00 LOL 241.20 VL 27.006 GAL 2.19 AZL 91.07 HCA 201.91 SMA 129.71 ECC .17187 INC 1.0662 V1 29.417
 RP 107.72 LAP .40 LOP 83.11 VP 37.960 GAP 1.65 AZP 89.01 TAL 169.36 TAP 11.27 RCA 107.41 APO 152.00 V2 35.180
 RC 97.843 GL -11.21 GP -27.64 ZAL 74.22 ZAP 111.90 ETS 349.01 ZAE 144.17 ETE 220.02 ZAC 120.41 ETC 1.98 CLP-114.90

PLANETOCENTRIC CONIC

C3 6.670 VHL 2.583 DLA -5.31 RAL 163.95 RAD 6567.2 VEL 11.316 PTH 1.95 VHP 3.399 DPA -11.02 RAP 142.46 ECC 1.1098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 53 1821.34 -8.50 17.94 9.98 117.11 7 27 14 1221.3 -4.79 11.22
 90.00 17 35 39 4795.93 18.00 206.51 11.10 67.77 18 55 35 4195.9 14.83 199.26
 100.00 8 15 43 1567.02 -9.19 358.87 9.61 118.57 8 41 50 967.0 -5.31 352.24
 100.00 18 59 30 4525.49 18.73 186.29 10.78 66.26 20 14 56 3925.5 15.36 179.12
 110.00 9 18 13 1371.34 -11.03 342.91 8.50 122.56 9 41 4 771.3 -6.66 336.55
 110.00 20 13 29 4293.94 20.65 167.72 9.79 62.13 21 25 3 3693.9 16.76 160.76

DIFFERENTIAL CORRECTIONS

TDE -.4998 TRA .5480 TC3-5.1035 BAU .5181
 RDE -.2994 RRA .4917 RC3-2.7764 FAU .14912
 FDE-2.5931 FRA 3.2989 FC-19.3541 BSP 11155
 BDE .5826 BRA .7363 BC3 5.8098 FSP -3822

MID-COURSE EXECUTION ACCURACY

SGT 3109.6 SGR 1923.1 SG3 1181.7
 RRT .9791 RRF .9965 RTF .9807
 SGB 3656.2 R23 .1235 R13 .9892
 SG1 3640.9 SG2 .334.4 THA 31.49

ORBIT DETERMINATION ACCURACY

ST 1170.5 SR 742.3 SS 1811.4
 CRT .9901 CRS -.9956 CST -.9987
 LSA 2279.0 MSA 88.4 SSA 17.4
 EL1 1383.2 EL2 88.0 ALF 32.27

LAUNCH DATE MAY 23 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 460.803

RL 151.46 LAL -.00 LOL 241.20 VL 26.995 GAL 2.30 AZL 91.38 HCA 205.15 SMA 129.63 ECC .17294 INC 1.3823 V1 29.417
 RP 107.69 LAP .59 LOP 86.34 VP 37.961 GAP 2.05 AZP 88.75 TAL 168.87 TAP 14.01 RCA 107.22 APO 152.05 V2 35.190
 RC 100.092 GL -14.24 GP -23.93 ZAL 73.38 ZAP 116.58 ETS 348.38 ZAE 143.86 ETE 212.54 ZAC 121.36 ETC 3.75 CLP-119.31

PLANETOCENTRIC CONIC

C3 6.997 VHL 2.645 DLA -8.51 RAL 163.72 RAD 6567.2 VEL 11.331 PTH 1.95 VHP 3.415 DPA -7.16 RAP 142.66 ECC 1.1152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 37 1728.09 -5.57 12.66 10.26 117.81 7 49 25 1128.1 -1.80 6.00
 90.00 17 10 5 4905.91 20.69 213.45 12.10 70.22 18 31 51 4305.9 17.81 205.96
 100.00 8 37 50 1478.98 -6.29 353.94 9.86 119.28 9 2 29 879.0 -2.34 347.38
 100.00 18 35 33 4630.24 21.46 192.87 11.79 68.68 19 52 43 4030.2 18.37 185.43
 110.00 9 36 40 1294.76 -8.20 338.80 8.69 123.30 9 58 15 694.8 -3.76 332.52
 110.00 19 53 12 4387.23 23.51 173.46 10.83 64.44 21 6 20 3787.2 19.87 166.20

DIFFERENTIAL CORRECTIONS

TDE -.6539 TRA .6211 TC3-5.3479 BAU .5436
 RDE -.2804 RRA .4291 RC3-2.2736 FAU .14691
 FDE-2.9302 FRA 3.2940 FC-18.1756 BSP 11664
 BDE .7114 BRA .7549 BC3 5.8112 FSP -3809

MID-COURSE EXECUTION ACCURACY

SGT 3444.0 SGR 1642.8 SG3 1174.5
 RRT .9795 RRF .9941 RTF .9827
 SGB 3815.8 R23 .1200 R13 .9879
 SG1 3804.0 SG2 299.8 THA 25.21

ORBIT DETERMINATION ACCURACY

ST 1476.3 SR 670.5 SS 1980.1
 CRT .9882 CRS -.9943 CST -.9987
 LSA 2557.4 MSA 97.9 SSA 16.2
 EL1 1618.7 EL2 93.7 ALF 24.26

LAUNCH DATE MAY 23 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 467.047

RL 151.46 LAL -.00 LOL 241.20 VL 26.983 GAL 2.43 AZL 91.63 HCA 208.38 SMA 129.55 ECC .17419 INC 1.6307 V1 29.417
 RP 107.66 LAP .78 LOP 89.57 VP 37.961 GAP 2.46 AZP 88.57 TAL 168.33 TAP 16.71 RCA 106.99 APO 152.12 V2 35.199
 RC 102.344 GL -16.44 GP -20.89 ZAL 72.45 ZAP 120.96 ETS 347.99 ZAE 142.85 ETE 206.49 ZAC 121.98 ETC 5.34 CLP-123.41

PLANETOCENTRIC CONIC

C3 7.345 VHL 2.710 DLA -10.97 RAL 163.88 RAD 6567.2 VEL 11.346 PTH 1.96 VHP 3.471 DPA -4.03 RAP 142.86 ECC 1.1209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 5 1656.11 -3.27 8.62 11.04 118.14 8 8 41 1056.1 .52 1.99
 90.00 16 50 52 4995.10 22.63 219.27 13.47 72.51 18 14 7 4395.1 20.02 211.57
 100.00 8 56 55 1411.42 -4.03 350.20 10.62 119.64 9 20 27 811.4 -.05 343.68
 100.00 18 17 42 4715.03 23.46 198.38 13.18 70.92 19 36 17 4115.0 20.64 190.71
 110.00 9 52 42 1236.73 -6.02 335.72 9.39 123.71 10 13 19 636.7 -1.55 329.49
 110.00 19 38 24 4462.48 25.63 178.27 12.24 66.57 20 52 47 3862.5 22.24 170.76

DIFFERENTIAL CORRECTIONS

TDE -.8019 TRA .6984 TC3-5.5222 BAU .5727
 RDE -.2519 RRA .3808 RC3-1.8761 FAU .14151
 FDE-3.1369 FRA 3.2484 FC-16.6799 BSP 12311
 BDE .8405 BRA .7955 BC3 5.8322 FSP -3716

MID-COURSE EXECUTION ACCURACY

SGT 3754.3 SGR 1410.8 SG3 1141.8
 RRT .9780 RRF .9903 RTF .9840
 SGB 4010.6 R23 .1084 R13 .9871
 SG1 4001.1 SG2 276.1 THA 20.28

ORBIT DETERMINATION ACCURACY

ST 1756.6 SR 587.4 SS 2087.6
 CRT .9852 CRS -.9920 CST -.9989
 LSA 2788.8 MSA 104.1 SSA 16.0
 EL1 1849.7 EL2 95.7 ALF 18.29

LAUNCH DATE MAY 23 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 473.271

RL 151.46 LAL -.00 LOL 241.20 VL 26.969 GAL 2.58 AZL 91.83 HCA 211.62 SMA 129.46 ECC .17561 INC 1.8322 V1 29.417
 RP 107.63 LAP .96 LOP 92.80 VP 37.959 GAP 2.86 AZP 88.44 TAL 167.75 TAP 19.37 RCA 106.72 APO 152.19 V2 35.208
 RC 104.596 GL -18.07 GP -18.39 ZAL 71.44 ZAP 125.02 ETS 347.77 ZAE 141.48 ETE 201.73 ZAC 122.30 ETC 6.77 CLP-127.22

PLANETOCENTRIC CONIC

C3 7.708 VHL 2.776 DLA -12.94 RAL 164.32 RAD 6567.3 VEL 11.362 PTH 1.96 VHP 3.557 DPA -1.48 RAP 143.13 ECC 1.1269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 24 1598.54 -1.41 5.40 12.18 118.28 8 26 3 998.5 2.38 358.77
 90.00 16 36 3 5070.14 24.08 224.30 15.10 74.63 18 0 34 4470.1 21.73 216.41
 100.00 9 14 2 1357.74 -2.22 347.25 11.74 119.82 9 36 40 757.7 1.77 340.73
 100.00 18 4 6 4786.18 24.96 203.13 14.82 72.99 19 23 53 4186.2 22.39 195.27
 110.00 10 7 11 1191.30 -4.29 333.33 10.44 123.94 10 27 2 591.3 .19 327.12
 110.00 19 27 27 4525.38 27.27 182.43 13.92 68.54 20 42 53 3925.4 24.11 174.69

DIFFERENTIAL CORRECTIONS

TDE -.9437 TRA .7800 TC3-5.6373 BAU .6028
 RDE -.2194 RRA .3434 RC3-1.5625 FAU .13414
 FDE-3.2395 FRA 3.1804 FC-15.0653 BSP 13004
 BDE .9688 BRA .8522 BC3 5.8498 FSP -3567

MID-COURSE EXECUTION ACCURACY

SGT 4039.7 SGR 1219.1 SG3 1093.0
 RRT .9743 RRF .9843 RTF .9848
 SGB 4219.6 R23 .0919 R13 .9867
 SG1 4211.4 SG2 263.5 THA 16.45

ORBIT DETERMINATION ACCURACY

ST 2011.7 SR 503.2 SS 2147.5
 CRT .9801 CRS -.9878 CST -.9990
 LSA 2983.2 MSA 108.6 SSA 16.1
 EL1 2071.4 EL2 96.9 ALF 13.81

LAUNCH DATE MAY 23 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 479.476

RL 151.46 LAL -.00 LOL 241.20 VL 26.954 GAL 2.73 AZL 92.00 HCA 214.86 SMA 129.35 ECC .17721 INC 1.9997 V1 29.417
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.956 GAP 3.26 AZP 88.36 TAL 167.13 TAP 21.98 RCA 106.43 APO 152.28 V2 35.216
 RC 106.849 GL -19.29 GP -16.30 ZAL 70.34 ZAP 128.79 ETS 347.66 ZAE 139.96 ETE 198.04 ZAC 122.35 ETC 8.02 CLP-130.74

PLANETOCENTRIC CONIC

C3 8.090 VHL 2.844 DLA -14.55 RAL 164.99 RAD 6567.3 VEL 11.379 PTH 1.97 VHP 3.664 DPA .58 RAP 143.51 ECC 1.1331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 17 1551.29 .11 2.77 13.58 118.32 8 42 9 951.3 3.90 356.13
 90.00 16 24 30 5135.16 25.18 228.74 16.92 76.59 17 50 5 4535.2 23.08 220.70
 100.00 9 29 50 1314.02 -.73 344.85 13.11 119.88 9 51 44 714.0 3.25 338.33
 100.00 17 53 39 4847.66 26.12 207.33 16.65 74.91 19 14 26 4247.7 23.79 199.30
 110.00 10 20 37 1154.92 -2.91 331.42 11.75 124.07 10 39 52 554.9 1.58 325.22
 110.00 19 19 21 4579.52 28.56 186.10 15.79 70.37 20 35 40 3979.5 25.62 178.16

DIFFERENTIAL CORRECTIONS

TDE-1.0778 TRA .8688 TC3-5.6902 BAU .6315
 RDE -.1853 RRA .3149 RC3-1.3110 FAU .12535
 FDE-3.2594 FRA 3.1090 FC-13.4147 BSP 13654
 BDE 1.0936 BRA .9241 BC3 5.8393 FSP -3371

MID-COURSE EXECUTION ACCURACY

SGT 4296.6 SGR 1060.7 SG3 1034.0
 RRT .9676 RRF .9755 RTF .9852
 SGB 4425.6 R23 .0743 R13 .9863
 SG1 4417.9 SG2 260.6 THA 13.48

ORBIT DETERMINATION ACCURACY

ST 2240.1 SR 422.5 SS 2169.0
 CRT .9714 CRS -.9804 CST -.9990
 LSA 3144.5 MSA 112.7 SSA 16.3
 EL1 2277.4 EL2 98.7 ALF 10.40

LAUNCH DATE MAY 23 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 485.660

RL 151.46 LAL -.00 LOL 241.20 VL 26.938 GAL 2.90 AZL 92.14 HCA 218.09 SMA 129.24 ECC .17899 INC 2.1422 V1 29.417
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.951 GAP 3.66 AZP 88.31 TAL 166.47 TAP 24.56 RCA 106.11 APO 152.37 V2 35.223
 RC 109.101 GL -20.19 GP -14.56 ZAL 69.17 ZAP 132.26 ETS 347.60 ZAE 138.40 ETE 195.18 ZAC 122.16 ETC 9.10 CLP-134.01

PLANETOCENTRIC CONIC

C3 8.492 VHL 2.914 DLA -15.91 RAL 165.84 RAD 6567.3 VEL 11.397 PTH 1.97 VHP 3.790 DPA 2.25 RAP 144.03 ECC 1.1398
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 9 1511.83 1.39 .57 15.19 118.29 8 57 21 911.8 5.16 353.91
 90.00 16 15 25 5192.80 26.03 232.75 18.89 78.43 17 41 58 4592.8 24.17 224.57
 100.00 9 44 40 1277.83 .49 342.87 14.70 119.89 10 5 58 677.8 4.47 336.33
 100.00 17 45 35 4902.02 27.02 211.11 18.64 76.71 19 7 17 4302.0 24.92 202.94
 110.00 10 33 19 1125.41 -1.78 329.88 13.27 124.14 10 52 5 525.4 2.71 323.68
 110.00 19 13 25 4627.21 29.61 189.42 17.82 72.08 20 30 32 4027.2 26.88 181.30

DIFFERENTIAL CORRECTIONS

TDE-1.2091 TRA .9604 TC3-5.7084 BAU .6603
 RDE -.1529 RRA .2920 RC3-1.1146 FAU .11658
 FDE-3.2366 FRA 3.0244 FC-11.8852 BSP 14349
 BDE 1.2187 BRA 1.0038 BC3 5.8162 FSP -3182

MID-COURSE EXECUTION ACCURACY

SGT 4535.9 SGR 932.0 SG3 972.6
 RRT .9575 RRF .9630 RTF .9854
 SGB 4630.7 R23 .0566 R13 .9861
 SG1 4623.2 SG2 263.8 THA 11.17

ORBIT DETERMINATION ACCURACY

ST 2451.1 SR 350.4 SS 2171.5
 CRT .9570 CRS -.9678 CST -.9991
 LSA 3291.3 MSA 115.8 SSA 16.6
 EL1 2474.0 EL2 100.7 ALF 7.80

LAUNCH DATE MAY 23 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 491.823

RL 151.46 LAL -.00 LOL 241.20 VL 26.920 GAL 3.09 AZL 92.27 HCA 221.34 SMA 129.12 ECC .18095 INC 2.2655 V1 29.417
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.944 GAP 4.06 AZP 88.30 TAL 165.77 TAP 27.10 RCA 105.76 APO 152.48 V2 35.230
 RC 111.351 GL -20.84 GP -13.08 ZAL 67.93 ZAP 135.46 ETS 347.57 ZAE 136.89 ETE 192.94 ZAC 121.74 ETC 10.03 CLP-137.04

PLANETOCENTRIC CONIC

C3 8.921 VHL 2.987 DLA -17.06 RAL 166.84 RAD 6567.3 VEL 11.415 PTH 1.98 VHP 3.930 DPA 3.60 RAP 144.68 ECC 1.1468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 15 1478.49 2.46 358.70 16.98 118.22 9 11 53 878.5 6.22 352.04
 90.00 16 8 18 5244.88 26.68 236.42 20.99 80.16 17 35 43 4644.9 25.05 228.13
 100.00 9 58 48 1247.58 1.52 341.21 16.45 119.86 10 19 36 647.6 5.48 334.66
 100.00 17 39 26 4951.02 27.74 214.58 20.77 78.40 19 1 57 4351.0 25.86 206.28
 110.00 10 45 30 1101.30 -.86 328.62 14.97 124.17 11 3 51 501.3 3.63 322.42
 110.00 19 9 13 4670.06 30.47 192.47 19.99 73.69 20 27 4 4070.1 27.93 184.19

DIFFERENTIAL CORRECTIONS

TDE-1.3352 TRA 1.0581 TC3-5.6872 BAU .6878
 RDE -.1216 RRA .2741 RC3 -.9574 FAU .10787
 FDE-3.1747 FRA 2.9424 FC-10.4683 BSP 15009
 BDE 1.3407 BRA 1.0930 BC3 5.7672 FSP -2988

MID-COURSE EXECUTION ACCURACY

SGT 4754.9 SGR 827.1 SG3 910.5
 RRT .9429 RRF .9459 RTF .9854
 SGB 4826.3 R23 .0411 R13 .9859
 SG1 4818.7 SG2 271.8 THA 9.34

ORBIT DETERMINATION ACCURACY

ST 2641.3 SR 286.2 SS 2154.4
 CRT .9315 CRS -.9448 CST -.9992
 LSA 3418.3 MSA 119.1 SSA 16.8
 EL1 2654.7 EL2 103.6 ALF 5.77

LAUNCH DATE MAY 23 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 497.964

RL 151.46 LAL -.00 LOL 241.20 VL 26.901 GAL 3.29 AZL 92.37 HCA 224.58 SMA 128.99 ECC .18310 INC 2.3740 V1 29.417
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.936 GAP 4.46 AZP 88.31 TAL 165.03 TAP 29.61 RCA 105.37 APO 152.61 V2 35.236
 RC 113.598 GL -21.30 GP -11.82 ZAL 66.63 ZAP 138.43 ETS 347.55 ZAE 135.46 ETE 191.19 ZAC 121.12 ETC 10.81 CLP-139.85

PLANETOCENTRIC CONIC

C3 9.381 VHL 3.063 DLA -18.05 RAL 167.96 RAD 6567.3 VEL 11.435 PTH 1.98 VHP 4.082 DPA 4.66 RAP 145.48 ECC 1.1544
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 45 1450.19 3.37 357.12 18.91 118.13 9 25 55 850.2 7.11 350.44
 90.00 16 2 48 5292.65 27.20 239.82 23.22 81.79 17 31 0 4692.6 25.78 231.44
 100.00 10 12 24 1222.22 2.38 339.81 18.36 119.81 10 32 46 622.2 6.33 333.25
 100.00 17 34 50 4995.85 28.31 217.79 23.01 79.99 18 58 6 4395.9 26.64 209.38
 110.00 10 57 15 1081.67 -.11 327.60 16.81 124.18 11 15 17 481.7 4.38 321.39
 110.00 19 6 28 4709.17 31.18 195.29 22.29 75.23 20 24 57 4109.2 28.84 186.87

DIFFERENTIAL CORRECTIONS

TDE-1.4568 TRA 1.1622 TC3-5.6292 BAU .7136
 RDE -.0919 RRA .2602 RC3 -.8298 FAU .09940
 FDE-3.0892 FRA 2.8629 FC3-9.1732 BSP 15636
 BDE 1.4597 BRA 1.1910 BC3 5.6901 FSP -2799

MID-COURSE EXECUTION ACCURACY

SGT 4954.5 SGR 741.6 SG3 849.6
 RRT .9231 RRF .9233 RTF .9853
 SGB 5009.7 R23 .0279 R13 .9856
 SG1 5001.7 SG2 282.4 THA 7.89

ORBIT DETERMINATION ACCURACY

ST 2812.2 SR 231.0 SS 2124.1
 CRT .8857 CRS -.9023 CST -.9992
 LSA 3529.7 MSA 122.2 SSA 17.1
 EL1 2819.6 EL2 107.0 ALF 4.17

LAUNCH DATE MAY 23 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 504.083

RL 151.46 LAL -.00 LOL 241.20 VL 26.880 GAL 3.50 AZL 92.47 HCA 227.82 SMA 128.86 ECC .18544 INC 2.4706 V1 29.417
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.927 GAP 4.87 AZP 88.34 TAL 164.26 TAP 32.09 RCA 104.96 APO 152.75 V2 35.241
 RC 115.842 GL -21.59 GP -10.75 ZAL 65.28 ZAP 141.17 ETS 347.52 ZAE 134.13 ETE 189.80 ZAC 120.32 ETC 11.46 CLP-142.46

PLANETOCENTRIC CONIC

C3 9.878 VHL 3.143 DLA -18.92 RAL 169.20 RAD 6567.4 VEL 11.457 PTH 1.99 VHP 4.244 DPA 5.49 RAP 146.41 ECC 1.1626
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 46 1426.19 4.14 355.78 20.98 118.04 9 39 32 826.2 7.86 349.07
 90.00 15 58 39 5336.99 27.59 243.01 25.55 83.34 17 27 36 4737.0 26.38 234.55
 100.00 10 25 32 1201.04 3.10 338.65 20.40 119.75 10 45 33 601.0 7.03 332.07
 100.00 17 31 33 5037.37 28.77 220.79 25.37 81.51 18 55 31 4437.4 27.30 212.30
 110.00 11 8 40 1065.85 .49 326.78 18.78 124.18 11 26 26 465.8 4.98 320.56
 110.00 19 4 54 4745.33 31.78 197.94 24.70 76.69 20 23 59 4145.3 29.62 189.39

DIFFERENTIAL CORRECTIONS

TDE-1.5746 TRA 1.2737 TC3-5.5389 BAU .7377
 RDE -.0637 RRA .2494 RC3 -.7248 FAU .09130
 FDE-2.9883 FRA 2.7898 FC3-8.0017 BSP 16213
 BDE 1.5759 BRA 1.2979 BC3 5.5861 FSP -2614

MID-COURSE EXECUTION ACCURACY

SGT 5136.8 SGR 672.3 SG3 791.3
 RRT .8974 RRF .8945 RTF .9851
 SGB 5180.6 R23 .0171 R13 .9853
 SG1 5172.2 SG2 294.7 THA 6.72

ORBIT DETERMINATION ACCURACY

ST 2965.3 SR 185.6 SS 2084.1
 CRT .8009 CRS -.8219 CST -.9993
 LSA 3627.0 MSA 125.6 SSA 17.2
 EL1 2969.0 EL2 111.0 ALF 2.87

LAUNCH DATE MAY 23 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 510.179

RL 151.46 LAL -.00 LOL 241.20 VL 26.859 GAL 3.73 AZL 92.56 HCA 231.07 SMA 128.71 ECC .18797 INC 2.5579 V1 29.417
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.917 GAP 5.27 AZP 88.39 TAL 163.46 TAP 34.53 RCA 104.52 APO 152.91 V2 35.246
 RC 118.080 GL -21.75 GP -9.82 ZAL 63.88 ZAP 143.72 ETS 347.47 ZAE 132.91 ETE 188.69 ZAC 119.37 ETC 11.99 CLP-144.90

PLANETOCENTRIC CONIC

C3 10.419 VHL 3.228 DLA -19.68 RAL 170.53 RAD 6567.4 VEL 11.481 PTH 2.00 VHP 4.416 DPA 6.11 RAP 147.46 ECC 1.1715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 29 20 1406.00 4.79 354.64 23.17 117.94 9 52 46 806.0 8.49 347.92
 90.00 15 55 39 5378.53 27.88 246.01 27.97 84.82 17 25 18 4778.5 26.87 237.49
 100.00 10 38 16 1183.56 3.69 337.69 22.56 119.69 10 57 59 583.6 7.61 331.10
 100.00 17 29 25 5076.20 29.13 223.62 27.82 82.96 18 54 1 4476.2 27.85 215.05
 110.00 11 19 48 1053.41 .97 326.13 20.87 124.17 11 37 21 453.4 5.45 319.90
 110.00 19 4 22 4779.11 32.28 200.44 27.21 78.09 20 24 1 4179.1 30.30 191.79

DIFFERENTIAL CORRECTIONS

TDE-1.6869 TRA 1.3949 TC3-5.4104 BAU .7588
 RDE -.0365 RRA .2413 RC3 -.6362 FAU .08342
 FDE-2.8740 FRA 2.7267 FC3-6.9311 BSP 16703
 BDE 1.6873 BRA 1.4156 BC3 5.4477 FSP -2430

MID-COURSE EXECUTION ACCURACY

SGT 5299.1 SGR 616.2 SG3 735.5
 RRT .8649 RRF .8590 RTF .9847
 SGB 5334.8 R23 .0087 R13 .9848
 SG1 5325.9 SG2 307.7 THA 5.76

ORBIT DETERMINATION ACCURACY

ST 3098.2 SR 151.5 SS 2034.2
 CRT .6450 CRS -.6714 CST -.9993
 LSA 3707.1 MSA 129.7 SSA 17.3
 EL1 3099.8 EL2 115.7 ALF 1.81

LAUNCH DATE MAY 23 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 516.251

RL 151.46 LAL -.00 LOL 241.20 VL 26.837 GAL 3.98 AZL 92.64 HCA 234.31 SMA 128.57 ECC .19071 INC 2.6376 V1 29.417
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.905 GAP 5.68 AZP 88.46 TAL 162.63 TAP 36.95 RCA 104.05 APO 153.08 V2 35.250
 RC 120.312 GL -21.80 GP -9.02 ZAL 62.44 ZAP 146.09 ETS 347.40 ZAE 131.79 ETE 187.80 ZAC 118.28 ETC 12.43 CLP-147.17

PLANETOCENTRIC CONIC

C3 11.011 VHL 3.318 DLA -20.34 RAL 171.93 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 4.598 DPA 6.56 RAP 148.63 ECC 1.1812
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 42 30 1389.29 5.32 353.71 25.46 117.85 10 5 39 789.3 9.00 346.97
 90.00 15 53 41 5417.71 28.09 248.86 30.49 86.23 17 23 59 4817.7 27.27 240.29
 100.00 10 50 37 1169.46 4.16 336.91 24.82 119.63 11 10 7 569.5 8.07 330.31
 100.00 17 28 15 5112.77 29.40 226.30 30.37 84.35 18 53 28 4512.8 28.31 217.67
 110.00 11 30 38 1044.05 1.33 325.64 23.06 124.16 11 48 2 444.0 5.80 319.41
 110.00 19 4 43 4810.95 32.70 202.83 29.82 79.45 20 24 54 4210.9 30.90 194.07

DIFFERENTIAL CORRECTIONS

TDE-1.7991 TRA 1.5214 TC3-5.2689 BAU .7800
 RDE -.0109 RRA .2346 RC3 -.5630 FAU .07640
 FDE-2.7633 FRA 2.6634 FC3-6.0070 BSP 17217
 BDE 1.7991 BRA 1.5393 BC3 5.2989 FSP -2270

MID-COURSE EXECUTION ACCURACY

SGT 5452.2 SGR 571.6 SG3 684.2
 RRT .8265 RRF .8171 RTF .9844
 SGB 5482.1 R23 .0013 R13 .9844
 SG1 5472.7 SG2 320.5 THA 4.97

ORBIT DETERMINATION ACCURACY

ST 3219.9 SR 131.5 SS 1984.0
 CRT .3982 CRS -.4292 CST -.9994
 LSA 3782.0 MSA 133.4 SSA 17.3
 EL1 3220.3 EL2 120.6 ALF .93

LAUNCH DATE MAY 23 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 522.297

RL 151.46 LAL -.00 LOL 241.20 VL 26.814 GAL 4.24 AZL 92.71 HCA 237.56 SMA 128.41 ECC .19367 INC 2.7110 V1 29.417
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.891 GAP 6.09 AZP 88.54 TAL 161.78 TAP 39.33 RCA 103.54 APO 153.28 V2 35.253
 RC 122.538 GL -21.74 GP -8.32 ZAL 60.98 ZAP 148.31 ETS 347.29 ZAE 130.78 ETE 187.07 ZAC 117.06 ETC 12.77 CLP-149.31

PLANETOCENTRIC CONIC

C3 11.659 VHL 3.415 DLA -20.93 RAL 173.40 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 4.787 DPA 6.86 RAP 149.90 ECC 1.1919
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 15 1375.86 5.74 352.95 27.84 117.78 10 18 11 775.9 9.42 346.20
 90.00 15 52 38 5454.87 28.22 251.57 33.09 87.58 17 23 33 4854.9 27.59 242.96
 100.00 11 2 36 1158.53 4.53 336.31 27.17 119.58 11 21 54 558.5 8.43 329.70
 100.00 17 27 59 5147.42 29.61 228.86 33.00 85.68 18 53 46 4547.4 28.69 220.17
 110.00 11 41 12 1037.56 1.58 325.30 25.34 124.15 11 58 29 437.6 6.05 319.07
 110.00 19 5 52 4841.16 33.06 205.12 32.52 80.76 20 26 33 4241.2 31.43 196.27

DIFFERENTIAL CORRECTIONS

TDE-1.9086 TRA 1.6569 TC3-5.1035 BAU .7993
 RDE .0138 RRA .2295 RC3 -.5001 FAU .06980
 FDE-2.6515 FRA 2.6070 FC3-5.1831 BSP 17686
 BDE 1.9087 BRA 1.6728 BC3 5.1279 FSP -2119

MID-COURSE EXECUTION ACCURACY

SGT 5591.4 SGR 535.9 SG3 636.4
 RRT .7820 RRF .7692 RTF .9840
 SGB 5617.0 R23 -.0047 R13 .9840
 SG1 5607.2 SG2 333.1 THA 4.30

ORBIT DETERMINATION ACCURACY

ST 3326.4 SR 126.3 SS 1930.3
 CRT .0884 CRS -.1213 CST -.9994
 LSA 3845.5 MSA 137.6 SSA 17.2
 EL1 3326.4 EL2 125.8 ALF .19

LAUNCH DATE MAY 23 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 528.316

RL 151.46 LAL -.00 LOL 241.20 VL 26.791 GAL 4.53 AZL 92.78 HCA 240.80 SMA 128.25 ECC .19686 INC 2.7793 V1 29.417
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.877 GAP 6.51 AZP 88.64 TAL 160.89 TAP 41.70 RCA 103.01 APO 153.50 V2 35.256
 RC 124.755 GL -21.60 GP -7.71 ZAL 59.48 ZAP 150.39 ETS 347.13 ZAE 129.85 ETE 186.46 ZAC 115.74 ETC 13.04 CLP-151.32

PLANETOCENTRIC CONIC

C3 12.374 VHL 3.518 DLA -21.44 RAL 174.92 RAD 6567.5 VEL 11.566 PTH 2.02 VHP 4.985 DPA 7.03 RAP 151.27 ECC 1.2036
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 7 36 1365.56 6.07 352.37 30.31 117.71 10 30 21 765.6 9.73 345.60
 90.00 15 52 25 5490.24 28.30 254.15 35.77 88.88 17 23 55 4890.2 27.84 245.52
 100.00 11 14 12 1150.63 4.79 335.87 29.61 119.54 11 33 22 550.6 8.69 329.25
 100.00 17 28 30 5180.40 29.75 231.30 35.71 86.95 18 54 50 4580.4 29.01 222.57
 110.00 11 51 28 1033.79 1.72 325.10 27.70 124.15 12 8 42 433.8 6.19 318.87
 110.00 19 7 43 4870.01 33.35 207.32 35.30 82.03 20 28 53 4270.0 31.89 198.39

DIFFERENTIAL CORRECTIONS

TDE-2.0162 TRA 1.8013 TC3-4.9198 BAU .8172
 RDE .0379 RRA .2254 RC3 -.4455 FAU .06373
 FDE-2.5415 FRA 2.5555 FC3-4.4587 BSP 18122
 BDE 2.0165 BRA 1.8154 BC3 4.9399 FSP -1979

MID-COURSE EXECUTION ACCURACY

SGT 5718.4 SGR 507.6 SG3 592.2
 RRT .7322 RRF .7162 RTF .9835
 SGB 5740.9 R23 -.0098 R13 .9835
 SG1 5730.5 SG2 344.9 THA 3.73

ORBIT DETERMINATION ACCURACY

ST 3418.9 SR 133.8 SS 1874.7
 CRT -.1966 CRS .1649 CST -.9994
 LSA 3898.8 MSA 141.8 SSA 17.2
 EL1 3419.0 EL2 131.2 ALF 179.56

LAUNCH DATE MAY 23 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 534.306

RL 151.46 LAL -.00 LOL 241.20 VL 26.766 GAL 4.83 AZL 92.84 HCA 244.05 SMA 128.09 ECC .20028 INC 2.8434 V1 29.417
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.861 GAP 6.94 AZP 88.76 TAL 159.99 TAP 44.04 RCA 102.44 APO 153.75 V2 35.258
 RC 126.964 GL -21.39 GP -7.18 ZAL 57.97 ZAP 152.34 ETS 346.93 ZAE 129.01 ETE 185.96 ZAC 114.32 ETC 13.25 CLP-153.22

PLANETOCENTRIC CONIC

C3 13.164 VHL 3.628 DLA -21.88 RAL 176.48 RAD 6567.5 VEL 11.600 PTH 2.03 VHP 5.191 DPA 7.08 RAP 152.72 ECC 1.2166
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 29 1358.34 6.30 351.96 32.86 117.66 10 42 8 758.3 9.96 345.19
 90.00 15 52 58 5523.99 28.32 256.62 38.52 90.12 17 25 2 4924.0 28.03 247.97
 100.00 11 25 23 1145.67 4.96 335.60 32.12 119.52 11 44 29 545.7 8.85 328.97
 100.00 17 29 45 5211.90 29.84 233.64 38.49 88.18 18 56 37 4611.9 29.27 224.88
 110.00 12 1 26 1032.65 1.76 325.04 30.14 124.14 12 18 39 432.6 6.23 318.81
 110.00 19 10 11 4897.69 33.59 209.44 38.16 83.26 20 31 49 4297.7 32.30 200.45

DIFFERENTIAL CORRECTIONS

TDE-2.1222 TRA 1.9560 TC3-4.7203 BAU .8337
 RDE .0615 RRA .2221 RC3 -.3975 FAU .05811
 FDE-2.4346 FRA 2.5108 FC3-3.8216 BSP 18531
 BDE 2.1230 BRA 1.9685 BC3 4.7370 FSP -1850

MID-COURSE EXECUTION ACCURACY

SGT 5834.7 SGR 485.3 SG3 551.4
 RRT .6782 RRF .6591 RTF .9831
 SGB 5854.8 R23 -.0138 R13 .9830
 SG1 5844.0 SG2 356.1 THA 3.24

ORBIT DETERMINATION ACCURACY

ST 3498.4 SR 149.6 SS 1818.2
 CRT -.4042 CRS .3753 CST -.9994
 LSA 3942.7 MSA 146.4 SSA 17.0
 EL1 3498.9 EL2 136.8 ALF 179.01

LAUNCH DATE MAY 23 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 540.267

RL 151.46 LAL -.00 LOL 241.20 VL 26.741 GAL 5.15 AZL 92.90 HCA 247.30 SMA 127.93 ECC .20396 INC 2.9041 V1 29.417
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.845 GAP 7.37 AZP 88.88 TAL 159.06 TAP 46.36 RCA 101.84 APO 154.02 V2 35.259
 RC 129.165 GL -21.11 GP -6.71 ZAL 56.45 ZAP 154.19 ETS 346.68 ZAE 128.24 ETE 185.53 ZAC 112.81 ETC 13.41 CLP-155.01

PLANETOCENTRIC CONIC

C3 14.039 VHL 3.747 DLA -22.27 RAL 178.07 RAD 6567.6 VEL 11.637 PTH 2.04 VHP 5.406 DPA 7.03 RAP 154.25 ECC 1.2310
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 55 1354.15 6.43 351.72 35.47 117.64 10 53 29 754.1 10.08 344.95
 90.00 15 54 14 5556.26 28.29 258.98 41.33 91.30 17 26 50 4956.3 28.17 250.32
 100.00 11 36 9 1143.59 5.03 335.48 34.70 119.50 11 55 13 543.6 8.92 328.86
 100.00 17 31 41 5242.05 29.89 235.88 41.34 89.36 18 59 3 4642.1 29.48 227.10
 110.00 12 11 6 1034.05 1.71 325.12 32.64 124.15 12 28 20 434.1 6.18 318.88
 110.00 19 13 14 4924.35 33.79 211.50 41.10 84.47 20 35 18 4324.4 32.65 202.45

DIFFERENTIAL CORRECTIONS

TDE-2.2242 TRA 2.1233 TC3-4.5002 BAU .8472
 RDE .0851 RRA .2195 RC3 -.3542 FAU .05273
 FDE-2.3281 FRA 2.4738 FC3-3.2517 BSP 18839
 BDE 2.2258 BRA 2.1346 BC3 4.5141 FSP -1722

MID-COURSE EXECUTION ACCURACY

SGT 5937.3 SGR 467.9 SG3 513.5
 RRT .6210 RRF .5992 RTF .9825
 SGB 5955.7 R23 -.0169 R13 .9824
 SG1 5944.4 SG2 366.3 THA 2.81

ORBIT DETERMINATION ACCURACY

ST 3561.8 SR 169.8 SS 1759.2
 CRT -.5410 CRS .5148 CST -.9995
 LSA 3973.2 MSA 151.5 SSA 16.8
 EL1 3563.0 EL2 142.8 ALF 178.52

LAUNCH DATE MAY 23 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 546.194

RL 151.46 LAL -.00 LOL 241.20 VL 26.716 GAL 5.49 AZL 92.96 HCA 250.55 SMA 127.76 ECC .20791 INC 2.9620 V1 29.417
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.827 GAP 7.81 AZP 89.01 TAL 158.11 TAP 48.66 RCA 101.20 APO 154.32 V2 35.259
 RC 131.355 GL -20.77 GP -6.29 ZAL 54.93 ZAP 155.93 ETS 346.38 ZAE 127.55 ETE 185.17 ZAC 111.22 ETC 13.52 CLP-156.72

PLANETOCENTRIC CONIC

C3 15.010 VHL 3.874 DLA -22.60 RAL 179.68 RAD 6567.6 VEL 11.679 PTH 2.05 VHP 5.630 DPA 6.88 RAP 155.84 ECC 1.2470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 50 1352.98 6.47 351.66 38.13 117.63 11 4 23 753.0 10.12 344.88
 90.00 15 56 11 5587.12 28.22 261.24 44.21 92.43 17 29 18 4987.1 28.26 252.57
 100.00 11 46 28 1144.36 5.00 335.52 37.33 119.51 12 5 32 544.4 8.90 328.90
 100.00 17 34 14 5270.97 29.89 238.03 44.26 90.49 19 2 5 4671.0 29.64 229.23
 110.00 12 20 24 1037.96 1.56 325.32 35.19 124.15 12 37 42 438.0 6.03 319.09
 110.00 19 16 47 4950.14 33.94 213.50 44.09 85.64 20 39 17 4350.1 32.96 204.40

DIFFERENTIAL CORRECTIONS

TDE-2.3287 TRA 2.2984 TC3-4.2783 BAU .8609
 RDE .1083 RRA .2169 RC3 -.3159 FAU .04796
 FDE-2.2315 FRA 2.4376 FC3-2.7662 BSP 19192
 BDE 2.3312 BRA 2.3086 BC3 4.2899 FSP -1613

MID-COURSE EXECUTION ACCURACY

SGT 6033.8 SGR 454.1 SG3 479.0
 RRT .5617 RRF .5373 RTF .9820
 SGB 6050.8 R23 -.0198 R13 .9820
 SG1 6039.2 SG2 375.4 THA 2.43

ORBIT DETERMINATION ACCURACY

ST 3618.0 SR 191.2 SS 1703.7
 CRT -.6297 CRS .6061 CST -.9995
 LSA 4000.6 MSA 156.2 SSA 16.6
 EL1 3620.0 EL2 148.4 ALF 178.09

LAUNCH DATE MAY 23 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 552.087

RL 151.46 LAL -0.00 LOL 241.20 VL 26.690 GAL 5.85 AZL 93.02 HCA 253.79 SMA 127.59 ECC .21216 INC 3.0176 V1 29.417
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.808 GAP 8.27 AZP 89.16 TAL 157.14 TAP 50.94 RCA 100.52 APO 154.66 V2 35.259
 RC 133.537 GL -20.39 GP -5.92 ZAL 53.40 ZAP 157.59 ETS 346.01 ZAE 126.92 ETE 184.86 ZAC 109.57 ETC 13.60 CLP-158.35

PLANETOCENTRIC CONIC

C3 16.092 VHL 4.011 DLA -22.89 RAL 181.31 RAD 6567.6 VEL 11.725 PTH 2.07 VHP 5.863 DPA 6.66 RAP 157.49 ECC 1.2648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 52 12 1354.84 6.41 351.76 40.84 117.64 11 14 47 754.8 10.06 344.99
 90.00 15 58 47 5616.65 28.12 263.39 47.13 93.50 17 32 24 5016.7 28.31 254.73
 100.00 11 56 18 1147.96 4.88 335.72 40.01 119.53 12 15 26 548.0 8.78 329.10
 100.00 17 37 22 5298.76 29.85 240.09 47.22 91.58 19 5 41 4698.8 29.75 231.29
 110.00 12 29 21 1044.33 1.32 325.65 37.79 124.16 12 46 45 444.3 5.79 319.42
 110.00 19 20 48 4975.16 34.05 215.45 47.15 86.79 20 43 44 4375.2 33.23 206.30

DIFFERENTIAL CORRECTIONS

TDE-2.4324 TRA 2.4855 TC3-4.0484 BAU .8730
 RDE .1315 RRA .2143 RC3 -.2811 FAU .04353
 FDE-2.1390 FRA 2.4066 FC3-2.3420 BSP 19520
 BDE 2.4360 BRA 2.4947 BC3 4.0581 FSP -1512

MID-COURSE EXECUTION ACCURACY

SGT 6121.1 SGR 443.4 SG3 447.2
 RRT .5012 RRF .4748 RTF .9815
 SGB 6137.2 R23 -.0220 R13 .9815
 SG1 6125.2 SG2 383.4 THA 2.09

ORBIT DETERMINATION ACCURACY

ST 3662.8 SR 212.8 SS 1648.6
 CRT -.6888 CRS .6672 CST -.9995
 LSA 4019.1 MSA 161.1 SSA 16.3
 EL1 3665.8 EL2 154.2 ALF 177.70

LAUNCH DATE MAY 23 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 557.941

RL 151.46 LAL -0.00 LOL 241.20 VL 26.663 GAL 6.23 AZL 93.07 HCA 257.04 SMA 127.42 ECC .21672 INC 3.0714 V1 29.417
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.788 GAP 8.73 AZP 89.31 TAL 156.17 TAP 53.21 RCA 99.80 APO 155.03 V2 35.257
 RC 135.709 GL -19.97 GP -5.59 ZAL 51.88 ZAP 159.17 ETS 345.56 ZAE 126.34 ETE 184.59 ZAC 107.86 ETC 13.65 CLP-159.91

PLANETOCENTRIC CONIC

C3 17.297 VHL 4.159 DLA -23.12 RAL 182.94 RAD 6567.7 VEL 11.776 PTH 2.08 VHP 6.107 DPA 6.36 RAP 159.19 ECC 1.2847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 2 0 1359.71 6.26 352.04 43.60 117.67 11 24 40 759.7 9.91 345.27
 90.00 16 1 59 5644.93 27.98 265.45 50.11 94.53 17 36 4 5044.9 28.32 256.80
 100.00 12 5 37 1154.37 4.67 336.08 42.73 119.56 12 24 52 554.4 8.57 329.46
 100.00 17 41 3 5325.51 29.79 242.08 50.24 92.62 19 9 48 4725.5 29.83 233.27
 110.00 12 37 55 1053.11 .98 326.11 40.43 124.17 12 55 28 453.1 5.46 319.89
 110.00 19 25 15 4999.53 34.13 217.34 50.27 87.91 20 48 34 4399.5 33.46 208.17

DIFFERENTIAL CORRECTIONS

TDE-2.5357 TRA 2.6847 TC3-3.8116 BAU .8833
 RDE .1550 RRA .2116 RC3 -.2494 FAU .03941
 FDE-2.0515 FRA 2.3795 FC3-1.9723 BSP 19810
 BDE 2.5405 BRA 2.6930 BC3 3.8198 FSP -1417

MID-COURSE EXECUTION ACCURACY

SGT 6199.0 SGR 434.8 SG3 417.8
 RRT .4401 RRF .4121 RTF .9811
 SGB 6214.2 R23 -.0238 R13 .9810
 SG1 6201.9 SG2 390.3 THA 1.78

ORBIT DETERMINATION ACCURACY

ST 3697.0 SR 233.8 SS 1594.6
 CRT -.7295 CRS .7097 CST -.9995
 LSA 4029.6 MSA 165.9 SSA 16.0
 EL1 3701.0 EL2 159.8 ALF 177.35

LAUNCH DATE MAY 23 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 563.754

RL 151.46 LAL -0.00 LOL 241.20 VL 26.636 GAL 6.64 AZL 93.12 HCA 260.29 SMA 127.24 ECC .22162 INC 3.1238 V1 29.417
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.768 GAP 9.21 AZP 89.47 TAL 155.18 TAP 55.46 RCA 99.04 APO 155.44 V2 35.255
 RC 137.871 GL -19.51 GP -5.30 ZAL 50.38 ZAP 160.69 ETS 345.03 ZAE 125.81 ETE 184.35 ZAC 106.09 ETC 13.67 CLP-161.40

PLANETOCENTRIC CONIC

C3 18.644 VHL 4.318 DLA -23.31 RAL 184.56 RAD 6567.8 VEL 11.833 PTH 2.10 VHP 6.362 DPA 5.99 RAP 160.93 ECC 1.3068
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 11 13 1367.60 6.01 352.48 46.38 117.72 11 34 0 767.6 9.67 345.72
 90.00 16 5 46 5672.00 27.82 267.41 53.14 95.50 17 40 18 5072.0 28.29 258.78
 100.00 12 14 26 1163.54 4.36 336.58 45.48 119.60 12 33 49 563.5 8.27 329.98
 100.00 17 45 14 5351.29 29.69 243.99 53.31 93.62 19 14 25 4751.3 29.88 235.19
 110.00 12 46 5 1064.26 .56 326.69 43.11 124.18 13 3 50 464.3 5.04 320.47
 110.00 19 30 3 5023.33 34.17 219.20 53.43 89.01 20 53 46 4423.3 33.66 210.00

DIFFERENTIAL CORRECTIONS

TDE-2.6364 TRA 2.8998 TC3-3.5659 BAU .8905
 RDE .1788 RRA .2086 RC3 -.2202 FAU .03545
 FDE-1.9661 FRA 2.3595 FC3-1.6462 BSP 20014
 BDE 2.6425 BRA 2.9073 BC3 3.5727 FSP -1325

MID-COURSE EXECUTION ACCURACY

SGT 6267.1 SGR 428.2 SG3 390.7
 RRT .3795 RRF .3506 RTF .9805
 SGB 6281.7 R23 -.0249 R13 .9805
 SG1 6269.2 SG2 396.0 THA 1.49

ORBIT DETERMINATION ACCURACY

ST 3718.5 SR 254.0 SS 1540.4
 CRT -.7580 CRS .7394 CST -.9995
 LSA 4029.3 MSA 171.0 SSA 15.7
 EL1 3723.5 EL2 165.4 ALF 177.03

LAUNCH DATE MAY 23 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 569.521

RL 151.46 LAL -0.00 LOL 241.20 VL 26.609 GAL 7.08 AZL 93.18 HCA 263.54 SMA 127.07 ECC .22689 INC 3.1752 V1 29.417
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.746 GAP 9.71 AZP 89.64 TAL 154.18 TAP 57.71 RCA 98.24 APO 155.90 V2 35.253
 RC 140.023 GL -19.02 GP -5.03 ZAL 48.89 ZAP 162.14 ETS 344.41 ZAE 125.32 ETE 184.14 ZAC 104.27 ETC 13.69 CLP-162.84

PLANETOCENTRIC CONIC

C3 20.152 VHL 4.489 DLA -23.45 RAL 186.18 RAD 6567.8 VEL 11.897 PTH 2.11 VHP 6.628 DPA 5.56 RAP 162.71 ECC 1.3317
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 19 48 1378.49 5.66 353.10 49.19 117.79 11 42 46 778.5 9.34 346.35
 90.00 16 10 4 5697.92 27.64 269.29 56.20 96.42 17 45 2 5097.9 28.24 260.67
 100.00 12 22 41 1175.47 3.96 337.24 48.26 119.65 12 42 17 575.5 7.88 330.65
 100.00 17 49 52 5376.17 29.57 245.83 56.41 94.58 19 19 28 4776.2 29.89 237.04
 110.00 12 53 51 1077.76 .04 327.40 45.82 124.18 13 11 49 477.8 4.52 321.18
 110.00 19 35 11 5046.65 34.18 221.02 56.64 90.08 20 59 18 4446.7 33.82 211.80

DIFFERENTIAL CORRECTIONS

TDE-2.7414 TRA 3.1251 TC3-3.3266 BAU .8978
 RDE .2028 RRA .2049 RC3 -.1938 FAU .03193
 FDE-1.8898 FRA 2.3398 FC3-1.3718 BSP 20272
 BDE 2.7488 BRA 3.1318 BC3 3.3322 FSP -1245

MID-COURSE EXECUTION ACCURACY

SGT 6329.8 SGR 422.6 SG3 365.9
 RRT .3191 RRF .2895 RTF .9801
 SGB 6343.8 R23 -.0259 R13 .9801
 SG1 6331.2 SG2 400.4 THA 1.23

ORBIT DETERMINATION ACCURACY

ST 3735.2 SR 272.7 SS 1490.4
 CRT -.7793 CRS .7619 CST -.9996
 LSA 4026.9 MSA 175.6 SSA 15.4
 EL1 3741.2 EL2 170.6 ALF 176.74

LAUNCH DATE MAY 23 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 575.237

RL 151.46 LAL -1.00 LOL 241.20 VL 26.582 GAL 7.55 AZL 93.23 HCA 266.78 SMA 126.89 ECC .23256 INC 3.2259 V1 29.417
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.723 GAP 10.22 AZP 89.82 TAL 153.17 TAP 59.95 RCA 97.38 APO 156.40 V2 35.249
 RC 142.165 GL -18.50 GP -4.79 ZAL 47.42 ZAP 163.53 ETS 343.67 ZAE 124.87 ETE 183.95 ZAC 102.42 ETC 13.69 CLP-164.23

PLANETOCENTRIC CONIC

C3 21.844 VHL 4.674 DLA -23.56 RAL 187.78 RAD 6567.9 VEL 11.968 PTH 2.13 VHP 6.908 DPA 5.08 RAP 164.52 ECC 1.3595
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 27 44 1392.34 5.22 353.88 52.02 117.87 11 50 57 792.3 8.91 347.14
 90.00 16 14 54 5722.77 27.44 271.08 59.30 97.30 17 50 16 5122.8 28.16 262.49
 100.00 12 30 23 1190.09 3.46 338.05 51.06 119.71 12 50 14 590.1 7.39 331.46
 100.00 17 54 55 5400.25 29.43 247.60 59.56 95.51 19 24 56 4800.2 29.88 238.83
 110.00 13 1 11 1093.54 -.56 328.22 48.54 124.18 13 19 25 493.5 3.92 322.01
 110.00 19 40 37 5069.57 34.17 222.81 59.88 91.14 21 5 7 4469.6 33.95 215.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8473 TRA 3.3655 TC3-3.0872 BAU .9029 SGT 6385.0 SGR 418.0 SG3 343.0 ST 3743.5 SR 290.0 SS 1442.2
 RDE .2273 RRA .2005 RC3 -.1696 FAU .02864 RRT .2594 RRF .2296 RTF .9798 CRT -.7952 CRS .7788 CST -.9996
 FDE-1.8181 FRA 2.3244 FC3-1.1351 BSP 20505 SGB 6398.7 R23 -.0264 R13 .9798 LSA 4018.1 MSA 180.0 SSA 15.1
 BDE 2.8563 BRA 3.3715 BC3 3.0918 FSP -1171 SG1 6385.9 SG2 403.6 THA .98 EL1 3750.7 EL2 175.5 ALF 176.47

LAUNCH DATE MAY 23 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 580.897

RL 151.46 LAL -1.00 LOL 241.20 VL 26.554 GAL 8.04 AZL 93.28 HCA 270.03 SMA 126.71 ECC .23867 INC 3.2763 V1 29.417
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.700 GAP 10.75 AZP 90.00 TAL 152.16 TAP 62.19 RCA 96.47 APO 156.95 V2 35.245
 RC 144.295 GL -17.96 GP -4.58 ZAL 45.97 ZAP 164.88 ETS 342.80 ZAE 124.44 ETE 183.78 ZAC 100.53 ETC 13.68 CLP-165.58

PLANETOCENTRIC CONIC

C3 23.746 VHL 4.873 DLA -23.62 RAL 189.36 RAD 6568.0 VEL 12.047 PTH 2.15 VHP 7.203 DPA 4.56 RAP 166.36 ECC 1.3908
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 35 2 1409.10 4.69 354.82 54.86 117.96 11 58 31 809.1 8.39 348.10
 90.00 16 20 10 5746.62 27.22 272.79 62.44 98.13 17 55 57 5146.6 28.06 264.23
 100.00 12 37 32 1207.36 2.88 339.00 53.87 119.77 12 57 39 607.4 6.82 332.43
 100.00 18 0 22 5423.59 29.26 249.32 62.73 96.40 19 30 45 4823.6 29.84 240.56
 110.00 13 8 5 1111.56 -1.25 329.16 51.29 124.16 13 26 37 511.6 3.24 322.95
 110.00 19 46 18 5092.16 34.12 224.58 63.16 92.19 21 11 10 4492.2 34.05 215.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9545 TRA 3.6212 TC3-2.8502 BAU .9060 SGT 6432.7 SGR 414.0 SG3 321.8 ST 3744.1 SR 305.9 SS 1396.1
 RDE .2522 RRA .1952 RC3 -.1476 FAU .02557 RRT .2005 RRF .1710 RTF .9795 CRT -.8075 CRS .7919 CST -.9996
 FDE-1.7512 FRA 2.3124 FC3 -.9323 BSP 20713 SGB 6446.0 R23 -.0267 R13 .9795 LSA 4003.4 MSA 184.1 SSA 14.8
 BDE 2.9653 BRA 3.6265 BC3 2.8540 FSP -1102 SG1 6433.3 SG2 405.6 THA .74 EL1 3752.3 EL2 180.1 ALF 176.22

LAUNCH DATE MAY 23 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 586.495

RL 151.46 LAL -1.00 LOL 241.20 VL 26.526 GAL 8.57 AZL 93.33 HCA 273.27 SMA 126.53 ECC .24526 INC 3.3267 V1 29.417
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.676 GAP 11.31 AZP 90.19 TAL 151.15 TAP 64.42 RCA 95.50 APO 157.57 V2 35.240
 RC 146.414 GL -17.41 GP -4.39 ZAL 44.56 ZAP 166.19 ETS 341.75 ZAE 124.04 ETE 183.62 ZAC 98.61 ETC 13.68 CLP-166.89

PLANETOCENTRIC CONIC

C3 25.890 VHL 5.088 DLA -23.65 RAL 190.90 RAD 6568.0 VEL 12.135 PTH 2.18 VHP 7.513 DPA 3.99 RAP 168.21 ECC 1.4261
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 41 41 1428.71 4.06 355.92 57.71 118.05 12 5 30 828.7 7.78 349.22
 90.00 16 25 53 5769.54 26.99 274.43 65.60 98.92 18 2 2 5169.5 27.94 265.89
 100.00 12 44 7 1227.21 2.21 340.09 56.69 119.82 13 4 34 627.2 6.16 333.53
 100.00 18 6 9 5446.27 29.08 250.98 65.94 97.25 19 36 55 4846.3 29.78 242.25
 110.00 13 14 33 1131.75 -2.03 330.21 54.05 124.13 13 33 25 531.8 2.47 324.01
 110.00 19 52 11 5114.49 34.05 226.32 66.47 93.21 21 17 26 4514.5 34.12 217.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0606 TRA 3.8970 TC3-2.6112 BAU .9049 SGT 6472.2 SGR 410.5 SG3 302.2 ST 3734.9 SR 320.4 SS 1350.8
 RDE .2777 RRA .1889 RC3 -.1274 FAU .02256 RRT .1429 RRF .1144 RTF .9792 CRT -.8166 CRS .8016 CST -.9996
 FDE-1.6865 FRA 2.3064 FC3 -.7545 BSP 20812 SGB 6485.2 R23 -.0263 R13 .9792 LSA 3980.1 MSA 188.1 SSA 14.4
 BDE 3.0732 BRA 3.9016 BC3 2.6143 FSP -1032 SG1 6472.5 SG2 406.3 THA .52 EL1 3744.1 EL2 184.4 ALF 175.98

LAUNCH DATE MAY 23 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 592.021

RL 151.46 LAL -1.00 LOL 241.20 VL 26.499 GAL 9.14 AZL 93.38 HCA 276.52 SMA 126.35 ECC .25238 INC 3.3774 V1 29.417
 RP 107.55 LAP 3.36 LOP 157.72 VP 37.651 GAP 11.90 AZP 90.38 TAL 150.14 TAP 66.66 RCA 94.47 APO 158.24 V2 35.234
 RC 148.521 GL -16.84 GP -4.21 ZAL 43.18 ZAP 167.45 ETS 340.50 ZAE 123.67 ETE 183.47 ZAC 96.67 ETC 13.67 CLP-168.17

PLANETOCENTRIC CONIC

C3 28.312 VHL 5.321 DLA -23.65 RAL 192.42 RAD 6568.1 VEL 12.235 PTH 2.20 VHP 7.842 DPA 3.38 RAP 170.09 ECC 1.4659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 47 41 1451.08 3.34 357.17 60.56 118.14 12 11 52 851.1 7.08 350.49
 90.00 16 31 58 5791.62 26.74 276.00 68.79 99.67 18 8 30 5191.6 27.81 267.49
 100.00 12 50 7 1249.55 1.45 341.32 59.52 119.86 13 10 57 649.6 5.42 334.77
 100.00 18 12 13 5468.37 28.88 252.59 69.17 98.08 19 43 22 4868.4 29.69 243.88
 110.00 13 20 34 1154.07 -2.88 331.38 56.82 124.08 13 39 48 554.1 1.61 325.18
 110.00 19 58 16 5136.62 33.95 228.04 69.81 94.23 21 23 52 4536.6 34.16 218.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1735 TRA 4.1865 TC3-2.3838 BAU .9032 SGT 6506.4 SGR 407.2 SG3 284.1 ST 3723.3 SR 333.1 SS 1310.0
 RDE .3036 RRA .1813 RC3 -.1093 FAU .01988 RRT .0855 RRF .0582 RTF .9791 CRT -.8244 CRS .8100 CST -.9996
 FDE-1.6297 FRA 2.3011 FC3 -.6079 BSP 20992 SGB 6519.2 R23 -.0259 R13 .9791 LSA 3956.4 MSA 191.3 SSA 14.1
 BDE 3.1880 BRA 4.1905 BC3 2.3863 FSP -974 SG1 6506.5 SG2 405.7 THA .31 EL1 3733.5 EL2 188.0 ALF 175.77

LAUNCH DATE MAY 23 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 597.467

RL 151.46 LAL -.00 LOL 241.20 VL 26.471 GAL 9.74 AZL 93.43 HCA 279.76 SMA 126.18 ECC .26008 INC 3.4288 V1 29.417
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.625 GAP 12.51 AZP 90.58 TAL 149.14 TAP 68.90 RCA 93.36 APO 158.99 V2 35.228
 RC 150.615 GL -16.26 GP -4.05 ZAL 41.83 ZAP 168.68 ETS 338.97 ZAE 123.30 ETE 183.33 ZAC 94.71 ETC 13.66 CLP-169.42

PLANETOCENTRIC CONIC

C3 31.055 VHL 5.573 DLA -23.62 RAL 193.90 RAD 6568.2 VEL 12.346 PTH 2.23 VHP 8.191 DPA 2.74 RAP 171.97 ECC 1.5111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 53 3 1476.10 2.54 358.57 63.41 118.21 12 17 39 876.1 6.29 351.90
 90.00 16 38 23 5812.93 26.49 277.51 72.00 100.39 18 15 16 5212.9 27.66 269.03
 100.00 12 55 34 1274.31 .61 342.67 62.34 119.89 13 16 48 674.3 4.59 336.14
 100.00 18 18 33 5489.95 28.66 254.16 72.41 98.87 19 50 3 4889.9 29.59 245.48
 110.00 13 26 8 1178.43 -3.81 332.65 59.59 124.00 13 45 47 578.4 .68 326.45
 110.00 20 4 28 5158.59 33.83 229.74 73.16 95.23 21 30 27 4558.6 34.18 220.52

DIFFERENTIAL CORRECTIONS

TDE-3.2900 TRA 4.4954 TC3-2.1627 BAU .8988
 RDE .3301 RRA .1722 RC3 -.0930 FAU .01735
 FDE-1.5774 FRA 2.2997 FC3 -.4837 BSP 21155
 BDE 3.3065 BRA 4.4987 BC3 2.1647 FSP -919

MID-COURSE EXECUTION ACCURACY

SGT 6534.4 SGR 404.0 SG3 267.4
 RRT .0290 RRF .0032 RTF .9791
 SGB 6546.9 R23 -.0253 R13 .9791
 SG1 6534.4 SG2 403.9 THA .10

ORBIT DETERMINATION ACCURACY

ST 3706.4 SR 344.3 SS 1271.8
 CRT -.8307 CRS .8169 CST -.9996
 LSA 3928.8 MSA 194.1 SSA 13.8
 EL1 3717.4 EL2 191.1 ALF 175.58

LAUNCH DATE MAY 23 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 602.821

RL 151.46 LAL -.00 LOL 241.20 VL 26.443 GAL 10.40 AZL 93.48 HCA 283.00 SMA 126.00 ECC .26843 INC 3.4811 V1 29.417
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.599 GAP 13.16 AZP 90.78 TAL 148.16 TAP 71.16 RCA 92.18 APO 159.82 V2 35.221
 RC 152.696 GL -15.67 GP -3.91 ZAL 40.53 ZAP 169.88 ETS 337.08 ZAE 122.95 ETE 183.20 ZAC 92.73 ETC 13.66 CLP-170.66

PLANETOCENTRIC CONIC

C3 34.172 VHL 5.846 DLA -23.55 RAL 195.33 RAD 6568.3 VEL 12.472 PTH 2.26 VHP 8.562 DPA 2.07 RAP 173.86 ECC 1.5624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 57 47 1503.65 1.65 .11 66.25 118.27 12 22 51 903.7 5.42 353.45
 90.00 16 45 5 5833.55 26.23 278.96 75.22 101.07 18 22 19 5233.6 27.49 270.52
 100.00 13 0 27 1301.37 -.30 344.16 65.17 119.89 13 22 8 701.4 3.67 337.63
 100.00 18 25 7 5511.07 28.43 255.69 75.67 99.65 19 56 58 4911.1 29.47 247.04
 110.00 13 31 16 1204.76 -4.81 334.04 62.36 123.88 13 51 20 604.8 -.32 327.82
 110.00 20 10 47 5180.45 33.68 231.43 76.53 96.22 21 37 8 4580.4 34.17 222.22

DIFFERENTIAL CORRECTIONS

TDE-3.4104 TRA 4.8255 TC3-1.9482 BAU .8908
 RDE .3571 RRA .1614 RC3 -.0785 FAU .01496
 FDE-1.5295 FRA 2.3022 FC3 -.3789 BSP 21293
 BDE 3.4290 BRA 4.8282 BC3 1.9498 FSP -867

MID-COURSE EXECUTION ACCURACY

SGT 6555.9 SGR 400.9 SG3 251.9
 RRT -.0269 RRF -.0507 RTF .9792
 SGB 6568.1 R23 .0243 R13 -.9792
 SG1 6555.9 SG2 400.8 THA 179.91

ORBIT DETERMINATION ACCURACY

ST 3684.2 SR 353.9 SS 1236.3
 CRT -.8359 CRS .8226 CST -.9997
 LSA 3897.3 MSA 196.4 SSA 13.4
 EL1 3696.1 EL2 193.6 ALF 175.40

LAUNCH DATE MAY 23 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 608.069

RL 151.46 LAL -.00 LOL 241.20 VL 26.415 GAL 11.10 AZL 93.53 HCA 286.24 SMA 125.82 ECC .27750 INC 3.5348 V1 29.417
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.572 GAP 13.85 AZP 90.99 TAL 147.19 TAP 73.43 RCA 90.91 APO 160.74 V2 35.214
 RC 154.762 GL -15.08 GP -3.78 ZAL 39.27 ZAP 171.05 ETS 334.68 ZAE 122.60 ETE 183.07 ZAC 90.75 ETC 13.67 CLP-171.88

PLANETOCENTRIC CONIC

C3 37.725 VHL 6.142 DLA -23.46 RAL 196.72 RAD 6568.5 VEL 12.613 PTH 2.29 VHP 8.959 DPA 1.37 RAP 175.76 ECC 1.6209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 1 54 1533.62 .68 1.78 69.08 118.31 12 27 28 933.6 4.46 355.14
 90.00 16 52 2 5853.56 25.96 280.36 78.45 101.72 18 29 36 5253.6 27.32 271.96
 100.00 13 4 47 1330.64 -1.30 345.76 67.98 119.87 13 26 58 730.6 2.69 339.24
 100.00 18 31 50 5531.77 28.18 257.18 78.94 100.39 20 4 2 4931.8 29.33 248.56
 110.00 13 35 56 1232.98 -5.88 335.52 65.14 123.74 13 56 29 633.0 -1.40 329.29
 110.00 20 17 11 5202.20 33.51 233.11 79.89 97.20 21 43 53 4602.2 34.14 223.92

DIFFERENTIAL CORRECTIONS

TDE-3.5359 TRA 5.1782 TC3-1.7413 BAU .8789
 RDE .3848 RRA .1489 RC3 -.0656 FAU .01267
 FDE-1.4858 FRA 2.3089 FC3 -.2908 BSP 21406
 BDE 3.5568 BRA 5.1804 BC3 1.7426 FSP -819

MID-COURSE EXECUTION ACCURACY

SGT 6571.2 SGR 397.9 SG3 237.6
 RRT -.0820 RRF -.1036 RTF .9795
 SGB 6583.3 R23 .0230 R13 -.9795
 SG1 6571.3 SG2 396.5 THA 179.71

ORBIT DETERMINATION ACCURACY

ST 3657.7 SR 361.9 SS 1203.6
 CRT -.8403 CRS .8275 CST -.9997
 LSA 3862.5 MSA 198.0 SSA 13.1
 EL1 3670.4 EL2 195.5 ALF 175.23

LAUNCH DATE MAY 23 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 613.196

RL 151.46 LAL -.00 LOL 241.20 VL 26.387 GAL 11.85 AZL 93.59 HCA 289.48 SMA 125.65 ECC .28737 INC 3.5902 V1 29.417
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.545 GAP 14.58 AZP 91.20 TAL 146.24 TAP 75.72 RCA 89.54 APO 161.75 V2 35.205
 RC 156.813 GL -14.49 GP -3.66 ZAL 38.05 ZAP 172.19 ETS 331.58 ZAE 122.25 ETE 182.95 ZAC 88.76 ETC 13.68 CLP-173.09

PLANETOCENTRIC CONIC

C3 41.789 VHL 6.464 DLA -23.33 RAL 198.05 RAD 6568.6 VEL 12.773 PTH 2.32 VHP 9.385 DPA .66 RAP 177.66 ECC 1.6877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 5 25 1565.86 -.36 3.58 71.89 118.31 12 31 31 965.9 3.43 356.95
 90.00 16 59 11 5873.00 25.68 281.72 81.68 102.35 18 37 4 5273.0 27.13 273.35
 100.00 13 8 34 1361.99 -2.36 347.48 70.78 119.81 13 31 16 762.0 1.63 340.96
 100.00 18 38 43 5552.10 27.93 258.63 82.20 101.12 20 11 15 4952.1 29.18 250.05
 110.00 13 40 9 1263.00 -7.01 337.11 67.91 123.54 14 1 12 663.0 -2.55 330.86
 110.00 20 23 38 5223.86 33.31 234.77 83.26 98.16 21 50 42 4623.9 34.08 225.61

DIFFERENTIAL CORRECTIONS

TDE-3.6640 TRA 5.5594 TC3-1.5396 BAU .8607
 RDE .4131 RRA .1343 RC3 -.0544 FAU .01041
 FDE-1.4448 FRA 2.3215 FC3 -.2157 BSP 21418
 BDE 3.6872 BRA 5.5610 BC3 1.5406 FSP -770

MID-COURSE EXECUTION ACCURACY

SGT 6580.6 SGR 394.7 SG3 224.3
 RRT -.1361 RRF -.1550 RTF .9798
 SGB 6592.4 R23 .0214 R13 -.9798
 SG1 6580.8 SG2 391.1 THA 179.53

ORBIT DETERMINATION ACCURACY

ST 3625.1 SR 368.2 SS 1172.8
 CRT -.8438 CRS .8313 CST -.9997
 LSA 3822.6 MSA 199.3 SSA 12.7
 EL1 3638.4 EL2 196.9 ALF 175.09

LAUNCH DATE MAY 24 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 2 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -1.00 LOL 242.16 VL 18.858 GAL 12.13 AZL 92.58 HCA 49.58 SMA 95.03 ECC .61767 INC 2.5799 V1 29.412
 RP 108.90 LAP -1.96 LOP 291.71 VP 32.260 GAP -37.35 AZP 91.67 TAL 172.24 TAP 221.82 RCA 36.33 APO 153.72 V2 34.797
 RC 57.979 GL -4.10 GP 1.30 ZAL 71.73 ZAP 25.02 ETS 184.46 ZAE 152.41 ETE 163.66 ZAC 126.86 ETC 20.60 CLP 24.98

PLANETOCENTRIC CONIC
 C3 134.761 VHL 11.609 DLA .00 RAL 169.64 RAD 6570.4 VEL 16.003 PTH 2.82 VHP 21.684 DPA 19.89 RAP 140.47 ECC 3.2178
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 0 2665.26 -27.35 72.06 63.38 97.63 7 20 26 2065.3 -26.01 63.65
 90.00 18 34 4 5309.15 27.35 241.00 63.38 82.36 20 2 33 4709.1 26.01 232.59
 100.00 7 57 21 2402.87 -28.86 52.53 63.14 98.14 8 37 24 1802.9 -27.44 44.02
 100.00 19 55 25 5046.76 28.86 221.47 63.14 81.86 21 19 32 4446.8 27.43 212.96
 110.00 9 5 36 2189.25 -32.97 35.57 62.39 99.59 9 42 5 1589.2 -31.29 26.74
 110.00 21 3 39 4833.15 32.97 204.51 62.39 80.41 22 24 12 4233.2 31.29 195.69

DIFFERENTIAL CORRECTIONS
 TDE .5955 TRA-1.4471 TC3 -.1000 BAU .1863 SGT 806.5 SGR 450.2 SG3 33.3 ST 363.8 SR 400.5 SS 336.6
 RDE -.8017 RRA -.4173 RC3 .0262 FAU .01437 RRT .0459 RRF -.0434 RTF -.6297 CRT -.7075 CRS -.8020 CST .9879
 FDE -.3220 FRA .5644 FC3 -.0923 BSP 2109 SGB 923.6 R23 -.0014 R13 -.6298 LSA 597.7 MSA 220.5 SSA 13.9
 BDE .9986 BRA 1.5061 BC3 .1034 FSP -69 SG1 806.9 SG2 449.5 THA 2.13 EL1 500.4 EL2 205.8 ALF 131.13

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 24 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -1.00 LOL 242.16 VL 19.482 GAL 11.65 AZL 92.66 HCA 52.74 SMA 96.69 ECC .59069 INC 2.6559 V1 29.412
 RP 108.92 LAP -2.11 LOP 294.87 VP 32.625 GAP -35.57 AZP 91.61 TAL 171.66 TAP 224.40 RCA 39.57 APO 153.80 V2 34.793
 RC 56.154 GL -4.61 GP 1.34 ZAL 70.83 ZAP 23.48 ETS 184.68 ZAE 153.42 ETE 161.83 ZAC 125.30 ETC 20.13 CLP 23.45

PLANETOCENTRIC CONIC
 C3 120.946 VHL 10.998 DLA -.83 RAL 170.28 RAD 6570.3 VEL 15.565 PTH 2.77 VHP 20.762 DPA 19.47 RAP 142.14 ECC 2.9905
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 41 2618.57 -26.88 68.72 62.02 99.24 7 28 20 2018.6 -25.33 60.40
 90.00 18 30 29 5313.81 27.39 241.34 62.83 82.53 19 59 2 4713.8 26.07 232.92
 100.00 8 5 39 2357.43 -28.38 49.24 61.74 99.80 8 44 56 1757.4 -26.73 40.82
 100.00 19 52 12 5050.19 28.89 221.72 62.60 81.99 21 16 22 4450.2 27.48 213.20
 110.00 9 13 1 2146.56 -32.44 32.35 60.86 101.42 9 48 47 1546.6 -30.53 23.65
 110.00 21 1 20 4833.82 32.98 204.56 61.86 80.44 22 21 54 4233.8 31.30 195.74

DIFFERENTIAL CORRECTIONS
 TDE .5959 TRA-1.4408 TC3 -.1029 BAU .1733 SGT 843.3 SGR 454.9 SG3 36.3 ST 383.6 SR 403.4 SS 355.7
 RDE -.7649 RRA -.4010 RC3 .0302 FAU .01468 RRT .0471 RRF -.0453 RTF -.6499 CRT -.7084 CRS -.8053 CST .9874
 FDE -.3378 FRA .5826 FC3 -.1051 BSP 2262 SGB 958.1 R23 -.0022 R13 -.6501 LSA 620.9 MSA 225.2 SSA 14.1
 BDE .9697 BRA 1.4956 BC3 .1072 FSP -77 SG1 843.7 SG2 454.1 THA 2.05 EL1 514.6 EL2 212.3 ALF 132.97

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 24 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -1.00 LOL 242.16 VL 20.063 GAL 11.17 AZL 92.73 HCA 55.90 SMA 98.33 ECC .56455 INC 2.7257 V1 29.412
 RP 108.93 LAP -2.26 LOP 298.03 VP 32.972 GAP -33.88 AZP 91.53 TAL 171.11 TAP 227.01 RCA 42.82 APO 153.85 V2 34.790
 RC 54.407 GL -5.15 GP 1.39 ZAL 70.00 ZAP 21.97 ETS 184.96 ZAE 154.55 ETE 159.71 ZAC 123.73 ETC 19.68 CLP 21.93

PLANETOCENTRIC CONIC
 C3 108.614 VHL 10.422 DLA -1.66 RAL 170.84 RAD 6570.1 VEL 15.164 PTH 2.72 VHP 19.876 DPA 19.04 RAP 143.82 ECC 2.7875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 4 2571.04 -26.32 65.36 60.56 100.84 7 35 55 1971.0 -24.56 57.13
 90.00 18 26 34 5317.66 27.43 241.62 62.14 82.66 19 55 11 4717.7 26.13 233.19
 100.00 8 13 38 2311.13 -27.80 45.92 60.23 101.46 8 52 9 1711.1 -25.94 37.61
 100.00 19 48 41 5052.80 28.92 221.91 61.91 82.08 21 12 53 4452.8 27.52 213.39
 110.00 9 20 7 2103.04 -31.81 29.11 59.22 103.24 9 55 10 1503.0 -29.66 20.56
 110.00 20 58 41 4833.66 32.97 204.55 61.19 80.43 22 19 15 4233.7 31.30 195.72

DIFFERENTIAL CORRECTIONS
 TDE .5943 TRA-1.4359 TC3 -.1056 BAU .1615 SGT 882.6 SGR 458.9 SG3 39.5 ST 403.6 SR 405.7 SS 375.4
 RDE -.7288 RRA -.3846 RC3 .0348 FAU .01500 RRT .0499 RRF -.0476 RTF -.6682 CRT -.7077 CRS -.8084 CST .9865
 FDE -.3541 FRA .6011 FC3 -.1196 BSP 2371 SGB 994.7 R23 -.0020 R13 -.6684 LSA 644.5 MSA 229.8 SSA 14.4
 BDE .9404 BRA 1.4865 BC3 .1112 FSP -85 SG1 883.0 SG2 458.1 THA 2.03 EL1 528.8 EL2 218.8 ALF 134.80

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 24 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -1.00 LOL 242.16 VL 20.605 GAL 10.68 AZL 92.79 HCA 59.06 SMA 99.96 ECC .53932 INC 2.7905 V1 29.412
 RP 108.93 LAP -2.39 LOP 301.19 VP 33.302 GAP -32.27 AZP 91.44 TAL 170.58 TAP 229.64 RCA 46.05 APO 153.88 V2 34.787
 RC 52.748 GL -5.73 GP 1.44 ZAL 69.26 ZAP 20.47 ETS 185.29 ZAE 155.79 ETE 157.25 ZAC 122.14 ETC 19.25 CLP 20.42

PLANETOCENTRIC CONIC
 C3 97.597 VHL 9.879 DLA -2.49 RAL 171.32 RAD 6569.9 VEL 14.797 PTH 2.67 VHP 19.023 DPA 18.59 RAP 145.50 ECC 2.6062
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 8 2522.67 -25.66 61.97 58.99 102.41 7 43 11 1922.7 -23.69 53.85
 90.00 18 22 18 5320.78 27.45 241.84 61.31 82.77 19 50 59 4720.8 26.17 233.41
 100.00 8 21 19 2264.01 -27.12 42.58 58.62 103.09 8 59 3 1664.0 -25.04 34.40
 100.00 19 44 48 5054.67 28.94 222.05 61.09 82.15 21 9 3 4454.7 27.55 213.52
 110.00 9 26 54 2058.69 -31.07 25.87 57.49 105.03 10 1 13 1458.7 -28.69 17.47
 110.00 20 55 43 4832.76 32.96 204.48 60.37 80.39 22 16 15 4232.8 31.29 195.66

DIFFERENTIAL CORRECTIONS
 TDE .5948 TRA-1.4283 TC3 -.1066 BAU .1485 SGT 922.4 SGR 462.1 SG3 43.0 ST 425.3 SR 407.2 SS 396.2
 RDE -.6933 RRA -.3681 RC3 .0399 FAU .01537 RRT .0514 RRF -.0497 RTF -.6869 CRT -.7089 CRS -.8119 CST .9860
 FDE -.3715 FRA .6194 FC3 -.1363 BSP 2526 SGB 1031.7 R23 -.0026 R13 -.6871 LSA 670.0 MSA 233.5 SSA 14.6
 BDE .9134 BRA 1.4750 BC3 .1138 FSP -95 SG1 922.8 SG2 461.3 THA 1.97 EL1 544.4 EL2 224.4 ALF 136.76

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 24 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 166.862

RL 151.49 LAL -0.00 LOL 242.16 VL 21.110 GAL 10.21 AZL 92.85 MCA 62.22 SMA 101.58 ECC .51501 INC 2.8511 V1 29.412
 RP 108.94 LAP -2.52 LOP 304.35 VP 33.615 GAP -30.75 AZP 91.33 TAL 170.08 TAP 232.31 RCA 49.26 APO 153.89 V2 34.786
 RC 51.183 GL -6.33 GP 1.50 ZAL 68.59 ZAP 18.98 ETS 185.69 ZAE 157.11 ETE 154.34 ZAC 120.54 ETC 18.84 CLP 18.92

PLANETOCENTRIC CONIC

C3 87.751 VHL 9.368 DLA -3.32 RAL 171.71 RAD 6569.7 VEL 14.460 PTH 2.63 VHP 18.202 DPA 18.13 RAP 147.18 ECC 2.4442
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 55 2473.49 -24.89 58.57 57.34 103.95 7 50 8 1873.5 -22.73 50.57
 90.00 18 17 41 5323.31 27.47 242.02 60.35 82.86 19 46 25 4723.3 26.20 233.59
 100.00 8 28 42 2216.09 -26.33 39.24 56.93 104.68 9 5 38 1616.1 -24.06 31.18
 100.00 19 40 35 5055.95 28.95 222.14 60.13 82.20 21 4 51 4455.9 27.57 213.61
 110.00 9 33 24 2013.58 -30.23 22.62 55.69 106.78 10 6 57 1413.6 -27.63 14.39
 110.00 20 52 23 4831.23 32.95 204.36 59.41 80.32 22 12 54 4231.2 31.26 195.55

DIFFERENTIAL CORRECTIONS

TDE .5959 TRA-1.4192 TC3 -.1060 BAU .1353
 RDE -.6584 RRA -.3516 RC3 .0456 FAU .01578
 FDE -.3898 FRA .6377 FC3 -.1557 BSP 2697
 BDE .8880 BRA 1.4621 BC3 .1154 FSP -105

MID-COURSE EXECUTION ACCURACY

SGT 963.5 SGR 464.6 SG3 46.9
 RRT .0527 RRF -.0518 RTF -.7050
 SGB 1069.7 R23 -.0034 R13 -.7052
 SG1 963.9 SG2 463.8 THA 1.89

ORBIT DETERMINATION ACCURACY

ST 448.2 SR 407.9 SS 418.0
 CRT -.7107 CRS -.8155 CST .9855
 LSA 697.1 MSA 236.5 SSA 14.8
 EL1 561.0 EL2 229.3 ALF 138.79

LAUNCH DATE MAY 24 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 173.219

RL 151.49 LAL -0.00 LOL 242.16 VL 21.580 GAL 9.74 AZL 92.91 MCA 65.39 SMA 103.16 ECC .49167 INC 2.9082 V1 29.412
 RP 108.94 LAP -2.64 LOP 307.52 VP 33.911 GAP -29.29 AZP 91.21 TAL 169.62 TAP 235.01 RCA 52.44 APO 153.88 V2 34.784
 RC 49.723 GL -6.98 GP 1.56 ZAL 68.01 ZAP 17.50 ETS 186.20 ZAE 158.52 ETE 150.87 ZAC 118.93 ETC 18.45 CLP 17.43

PLANETOCENTRIC CONIC

C3 78.949 VHL 8.885 DLA -4.15 RAL 172.02 RAD 6569.5 VEL 14.153 PTH 2.58 VHP 17.410 DPA 17.66 RAP 148.87 ECC 2.2993
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 24 2423.55 -24.03 55.17 55.60 105.45 7 56 47 1823.5 -21.68 47.29
 90.00 18 12 41 5325.40 27.49 242.17 59.25 82.93 19 41 26 4725.4 26.23 233.73
 100.00 8 35 48 2167.42 -25.45 35.89 55.16 106.23 9 11 55 1567.4 -22.98 27.96
 100.00 19 35 58 5056.75 28.96 222.20 59.03 82.23 21 0 15 4456.8 27.58 213.67
 110.00 9 39 35 1967.74 -29.28 19.39 53.81 108.48 10 12 22 1367.7 -26.48 11.33
 110.00 20 48 41 4829.20 32.92 204.21 58.32 80.24 22 9 10 4229.2 31.22 195.40

DIFFERENTIAL CORRECTIONS

TDE .5949 TRA-1.4115 TC3 -.1048 BAU .1235
 RDE -.6243 RRA -.3352 RC3 .0519 FAU .01622
 FDE -.4089 FRA .6564 FC3 -.1779 BSP 2813
 BDE .8623 BRA 1.4507 BC3 .1170 FSP -116

MID-COURSE EXECUTION ACCURACY

SGT 1007.3 SGR 466.4 SG3 51.1
 RRT .0557 RRF -.0545 RTF -.7212
 SGB 1110.0 R23 -.0034 R13 -.7214
 SG1 1007.7 SG2 465.5 THA 1.88

ORBIT DETERMINATION ACCURACY

ST 471.3 SR 407.8 SS 440.7
 CRT -.7109 CRS -.8190 CST .9846
 LSA 724.6 MSA 239.4 SSA 15.0
 EL1 577.6 EL2 234.0 ALF 140.77

LAUNCH DATE MAY 24 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 179.631

RL 151.49 LAL -0.00 LOL 242.16 VL 22.019 GAL 9.27 AZL 92.96 MCA 68.55 SMA 104.72 ECC .46929 INC 2.9625 V1 29.412
 RP 108.94 LAP -2.76 LOP 310.68 VP 34.191 GAP -27.90 AZP 91.08 TAL 169.19 TAP 237.74 RCA 55.57 APO 153.86 V2 34.784
 RC 48.377 GL -7.66 GP 1.63 ZAL 67.51 ZAP 16.02 ETS 186.83 ZAE 159.98 ETE 146.70 ZAC 117.31 ETC 18.09 CLP 15.94

PLANETOCENTRIC CONIC

C3 71.078 VHL 8.431 DLA -4.99 RAL 172.25 RAD 6569.4 VEL 13.872 PTH 2.53 VHP 16.648 DPA 17.18 RAP 150.55 ECC 2.1698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 36 2372.88 -23.07 51.77 53.79 106.89 8 3 9 1772.9 -20.54 44.01
 90.00 18 7 16 5327.18 27.51 242.30 58.03 82.99 19 36 3 4727.2 26.25 233.86
 100.00 8 42 36 2118.05 -24.47 32.55 53.32 107.73 9 17 54 1518.1 -21.81 24.76
 100.00 19 30 58 5057.24 28.96 222.23 57.82 82.25 20 55 15 4457.2 27.59 213.70
 110.00 9 45 27 1921.25 -28.23 16.17 51.88 110.12 10 17 29 1321.3 -25.23 8.29
 110.00 20 44 35 4826.81 32.89 204.03 57.10 80.13 22 5 2 4226.8 31.18 195.22

DIFFERENTIAL CORRECTIONS

TDE .5964 TRA-1.4002 TC3 -.1006 BAU .1108
 RDE -.5909 RRA -.3190 RC3 .0590 FAU .01673
 FDE -.4295 FRA .6750 FC3 -.2037 BSP 2988
 BDE .8396 BRA 1.4360 BC3 .1166 FSP -129

MID-COURSE EXECUTION ACCURACY

SGT 1051.4 SGR 467.4 SG3 55.7
 RRT .0574 RRF -.0569 RTF -.7378
 SGB 1150.6 R23 -.0042 R13 -.7379
 SG1 1051.8 SG2 466.5 THA 1.82

ORBIT DETERMINATION ACCURACY

ST 496.4 SR 406.8 SS 464.8
 CRT -.7134 CRS -.8229 CST .9841
 LSA 754.7 MSA 241.1 SSA 15.2
 EL1 596.4 EL2 237.3 ALF 142.84

LAUNCH DATE MAY 24 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 186.092

RL 151.49 LAL -0.00 LOL 242.16 VL 22.427 GAL 8.82 AZL 93.01 MCA 71.71 SMA 106.24 ECC .44790 INC 3.0146 V1 29.412
 RP 108.94 LAP -2.86 LOP 313.84 VP 34.456 GAP -26.57 AZP 90.95 TAL 168.81 TAP 240.51 RCA 58.65 APO 153.82 V2 34.784
 RC 47.155 GL -8.37 GP 1.70 ZAL 67.09 ZAP 14.56 ETS 187.63 ZAE 161.45 ETE 141.61 ZAC 115.68 ETC 17.74 CLP 14.46

PLANETOCENTRIC CONIC

C3 64.042 VHL 8.003 DLA -5.83 RAL 172.39 RAD 6569.2 VEL 13.616 PTH 2.49 VHP 15.912 DPA 16.69 RAP 152.23 ECC 2.0540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 32 2321.55 -22.01 48.37 51.92 108.28 8 9 14 1721.6 -19.31 40.74
 90.00 18 1 25 5328.84 27.52 242.42 56.69 83.05 19 30 14 4728.8 26.27 233.98
 100.00 8 49 7 2068.05 -23.39 29.23 51.42 109.16 9 23 35 1468.1 -20.56 21.57
 100.00 19 25 31 5057.57 28.96 222.26 56.48 82.26 20 49 49 4457.6 27.59 213.73
 110.00 9 51 2 1874.18 -27.09 12.99 49.90 111.69 10 22 17 1274.2 -23.90 5.28
 110.00 20 40 5 4824.21 32.86 203.83 55.77 80.02 22 0 30 4224.2 31.14 195.04

DIFFERENTIAL CORRECTIONS

TDE .5984 TRA-1.3877 TC3 -.0940 BAU .0987
 RDE -.5582 RRA -.3029 RC3 .0668 FAU .01728
 FDE -.4517 FRA .6937 FC3 -.2336 BSP 3163
 BDE .8183 BRA 1.4203 BC3 .1153 FSP -142

MID-COURSE EXECUTION ACCURACY

SGT 1097.0 SGR 467.6 SG3 60.7
 RRT .0592 RRF -.0596 RTF -.7536
 SGB 1192.6 R23 -.0051 R13 -.7537
 SG1 1097.5 SG2 466.6 THA 1.77

ORBIT DETERMINATION ACCURACY

ST 522.8 SR 405.0 SS 490.2
 CRT -.7162 CRS -.8270 CST .9837
 LSA 786.6 MSA 242.1 SSA 15.4
 EL1 616.3 EL2 239.7 ALF 144.91

LAUNCH DATE MAY 24 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -1.00 LOL 242.16 VL 22.807 GAL 8.37 AZL 93.06 HCA 74.87 SMA 107.72 ECC .42749 INC 3.0647 V1 29.412
 RP 108.94 LAP -2.96 LOP 317.01 VP 34.705 GAP -25.30 AZP 90.80 TAL 168.46 TAP 243.33 RCA 61.67 APO 153.77 V2 34.785
 RC 46.068 GL -9.13 GP 1.78 ZAL 66.76 ZAP 13.10 ETS 188.65 ZAE 162.87 ETE 135.39 ZAC 114.05 ETC 17.41 CLP 12.98

PLANETOCENTRIC CONIC

C3 57.754 VHL 7.600 DLA -6.68 RAL 172.43 RAD 6569.1 VEL 13.383 PTH 2.45 VHP 15.203 DPA 16.20 RAP 153.90 ECC 1.9505
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 12 2269.63 -20.87 45.00 50.00 109.59 8 15 2 1669.6 -18.01 37.49
 90.00 17 55 7 5330.56 27.53 242.54 55.24 83.11 19 23 57 4730.6 26.29 234.10
 100.00 8 55 22 2017.49 -22.22 25.93 49.47 110.52 9 28 59 1417.5 -19.23 18.41
 100.00 19 19 38 5057.93 28.97 222.28 55.03 82.27 20 43 56 4457.9 27.59 213.75
 110.00 9 56 20 1826.62 -25.85 9.85 47.88 113.18 10 26 46 1226.6 -22.49 2.31
 110.00 20 35 10 4821.57 32.83 203.63 54.32 79.90 21 55 31 4221.6 31.09 194.84

DIFFERENTIAL CORRECTIONS

TOE .6007 TRA-1.3737 TC3 -.0845 BAU .0875
 RDE -.5264 RRA -.2871 RC3 .0755 FAU .01790
 FDE -.4756 FRA .7126 FC3 -.2683 BSP 3345
 BDE .7987 BRA 1.4034 BC3 .1133 FSP -158

MID-COURSE EXECUTION ACCURACY

SGT 1144.1 SGR 467.1 SG3 66.2
 RRT .0613 RRF -.0625 RTF -.7687
 SGB 1235.8 R23 -.0060 R13 -.7688
 SG1 1144.5 SG2 466.0 THA 1.72

ORBIT DETERMINATION ACCURACY

ST 550.4 SR 402.2 SS 517.2
 CRT -.7195 CRS -.8312 CST .9832
 LSA 820.6 MSA 242.3 SSA 15.5
 EL1 637.7 EL2 241.1 ALF 146.95

LAUNCH DATE MAY 24 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -1.00 LOL 242.16 VL 23.161 GAL 7.94 AZL 93.11 HCA 78.03 SMA 109.16 ECC .40805 INC 3.1134 V1 29.412
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.941 GAP -24.08 AZP 90.65 TAL 168.16 TAP 246.19 RCA 64.62 APO 153.71 V2 34.787
 RC 45.125 GL -9.94 GP 1.87 ZAL 66.52 ZAP 11.64 ETS 190.00 ZAE 164.17 ETE 127.79 ZAC 112.41 ETC 17.09 CLP 11.49

PLANETOCENTRIC CONIC

C3 52.136 VHL 7.221 DLA -7.53 RAL 172.38 RAD 6568.9 VEL 13.172 PTH 2.41 VHP 14.519 DPA 15.70 RAP 155.57 ECC 1.8580
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 37 2217.20 -19.63 41.65 48.04 110.83 8 20 34 1617.2 -16.62 34.26
 90.00 17 48 19 5332.52 27.55 242.69 53.68 83.18 19 17 11 4732.5 26.32 234.23
 100.00 9 1 20 1966.46 -20.97 22.66 47.49 111.81 9 34 7 1366.5 -17.82 15.27
 100.00 19 13 17 5058.49 28.97 222.33 53.48 82.30 20 37 35 4458.5 27.60 213.79
 110.00 10 1 19 1778.66 -24.53 6.75 45.83 114.59 10 30 58 1178.7 -21.01 359.37
 110.00 20 29 47 4819.06 32.80 203.44 52.78 79.80 21 50 6 4219.1 31.05 194.66

DIFFERENTIAL CORRECTIONS

TOE .6036 TRA-1.3581 TC3 -.0717 BAU .0775
 RDE -.4953 RRA -.2717 RC3 .0850 FAU .01859
 FDE -.5014 FRA .7317 FC3 -.3086 BSP 3532
 BDE .7808 BRA 1.3850 BC3 .1112 FSP -175

MID-COURSE EXECUTION ACCURACY

SGT 1192.4 SGR 465.7 SG3 72.3
 RRT .0638 RRF -.0659 RTF -.7830
 SGB 1280.1 R23 -.0071 R13 -.7831
 SG1 1192.8 SG2 464.6 THA 1.68

ORBIT DETERMINATION ACCURACY

ST 579.4 SR 398.5 SS 545.8
 CRT -.7233 CRS -.8356 CST .9829
 LSA 856.6 MSA 241.8 SSA 15.7
 EL1 660.5 EL2 241.4 ALF 148.96

LAUNCH DATE MAY 24 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -1.00 LOL 242.16 VL 23.491 GAL 7.52 AZL 93.16 HCA 81.19 SMA 110.56 ECC .38958 INC 3.1610 V1 29.412
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.162 GAP -22.91 AZP 90.48 TAL 167.90 TAP 249.09 RCA 67.49 APO 153.63 V2 34.790
 RC 44.335 GL -10.78 GP 1.97 ZAL 66.37 ZAP 10.19 ETS 191.82 ZAE 165.22 ETE 118.67 ZAC 110.78 ETC 16.79 CLP 10.00

PLANETOCENTRIC CONIC

C3 47.121 VHL 6.865 DLA -8.39 RAL 172.24 RAD 6568.8 VEL 12.980 PTH 2.37 VHP 13.859 DPA 15.21 RAP 157.23 ECC 1.7755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 47 2164.34 -18.32 38.33 46.04 111.98 8 25 51 1564.3 -15.18 31.06
 90.00 17 41 1 5334.92 27.57 242.86 52.04 83.27 19 9 56 4734.9 26.35 234.40
 100.00 9 7 3 1915.05 -19.63 19.42 45.47 113.01 9 38 58 1315.0 -16.35 12.17
 100.00 19 6 25 5059.45 28.98 222.40 51.83 82.33 20 30 45 4459.4 27.62 213.86
 110.00 10 6 1 1730.41 -23.13 3.70 43.76 115.90 10 34 52 1130.4 -19.46 356.49
 110.00 20 23 56 4816.85 32.78 203.28 51.13 79.70 21 44 13 4216.9 31.01 194.50

DIFFERENTIAL CORRECTIONS

TOE .6072 TRA-1.3409 TC3 -.0551 BAU .0694
 RDE -.4652 RRA -.2566 RC3 .0954 FAU .01935
 FDE -.5296 FRA .7511 FC3 -.3555 BSP 3717
 BDE .7649 BRA 1.3653 BC3 .1102 FSP -194

MID-COURSE EXECUTION ACCURACY

SGT 1242.0 SGR 463.5 SG3 79.0
 RRT .0665 RRF -.0697 RTF -.7965
 SGB 1325.6 R23 -.0082 R13 -.7967
 SG1 1242.4 SG2 462.3 THA 1.65

ORBIT DETERMINATION ACCURACY

ST 609.9 SR 393.7 SS 576.4
 CRT -.7277 CRS -.8401 CST .9826
 LSA 895.1 MSA 240.5 SSA 15.9
 EL1 685.0 EL2 240.5 ALF 150.92

LAUNCH DATE MAY 24 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -1.00 LOL 242.16 VL 23.797 GAL 7.11 AZL 93.21 HCA 84.35 SMA 111.91 ECC .37207 INC 3.2078 V1 29.412
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.371 GAP -21.79 AZP 90.32 TAL 167.68 TAP 252.04 RCA 70.27 APO 153.55 V2 34.793
 RC 43.707 GL -11.67 GP 2.08 ZAL 66.32 ZAP 8.75 ETS 194.34 ZAE 165.92 ETE 108.09 ZAC 109.15 ETC 16.51 CLP 8.50

PLANETOCENTRIC CONIC

C3 42.648 VHL 6.531 DLA -9.26 RAL 172.00 RAD 6568.6 VEL 12.807 PTH 2.33 VHP 13.222 DPA 14.71 RAP 158.87 ECC 1.7019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 43 2111.14 -16.93 35.04 44.02 113.04 8 30 54 1511.1 -13.67 27.88
 90.00 17 33 10 5337.97 27.59 243.08 50.30 83.38 19 2 8 4738.0 26.39 234.62
 100.00 9 12 31 1863.35 -18.23 16.23 43.43 114.11 9 43 34 1263.4 -14.82 9.09
 100.00 18 59 3 5061.00 28.99 222.51 50.10 82.39 20 23 24 4461.0 27.64 213.97
 110.00 10 10 26 1681.98 -21.66 .71 41.68 117.12 10 38 28 1082.0 -17.85 353.65
 110.00 20 17 37 4815.14 32.76 203.15 49.41 79.63 21 37 52 4215.1 30.98 194.38

DIFFERENTIAL CORRECTIONS

TOE .6114 TRA-1.3224 TC3 -.0341 BAU .0639
 RDE -.4358 RRA -.2421 RC3 .1068 FAU .02019
 FDE -.5604 FRA .7709 FC3 -.4099 BSP 3907
 BDE .7508 BRA 1.3444 BC3 .1121 FSP -215

MID-COURSE EXECUTION ACCURACY

SGT 1292.9 SGR 460.4 SG3 86.3
 RRT .0699 RRF -.0742 RTF -.8095
 SGB 1372.4 R23 -.0094 R13 -.8096
 SG1 1293.4 SG2 459.1 THA 1.63

ORBIT DETERMINATION ACCURACY

ST 642.0 SR 387.8 SS 609.1
 CRT -.7325 CRS -.8447 CST .9823
 LSA 936.2 MSA 238.4 SSA 16.0
 EL1 711.1 EL2 238.4 ALF 152.83

LAUNCH DATE MAY 24 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -.00 LOL 242.16 VL 24.082 GAL 6.71 AZL 93.25 HCA 87.52 SMA 113.21 ECC .35550 INC 3.2541 V1 29.412
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.567 GAP -20.71 AZP 90.14 TAL 167.52 TAP 255.03 RCA 72.97 APO 153.46 V2 34.797
 RC 43.245 GL -12.61 GP 2.20 ZAL 66.36 ZAP 7.32 ETS 198.00 ZAE 166.15 ETE 96.55 ZAC 107.54 ETC 16.24 CLP 6.99

PLANETOCENTRIC CONIC
 C3 38.662 VHL 6.218 DLA -10.14 RAL 171.66 RAD 6568.5 VEL 12.650 PTH 2.30 VHP 12.608 DPA 14.22 RAP 160.50 ECC 1.6363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 25 2057.70 -15.48 31.79 41.98 114.01 8 35 43 1457.7 -12.11 24.73
 90.00 17 24 46 5341.88 27.62 243.36 48.50 83.51 18 53 48 4741.9 26.44 234.89
 100.00 9 17 45 1811.47 -16.75 13.08 41.37 115.12 9 47 56 1211.5 -13.23 6.06
 100.00 18 51 8 5063.34 29.02 222.68 48.30 82.48 20 15 31 4463.3 27.67 214.13
 110.00 10 14 35 1633.49 -20.13 357.79 39.59 118.23 10 41 48 1033.5 -16.19 350.87
 110.00 20 10 47 4814.09 32.74 203.07 47.62 79.58 21 31 1 4214.1 30.96 194.30

DIFFERENTIAL CORRECTIONS
 TDE .6167 TRA-1.3019 TC3 -.0080 BAU .0617
 RDE -.4074 RRA -.2280 RC3 .1191 FAU .02113
 FDE -.5944 FRA .7910 FC3 -.4732 BSP 4102
 BDE .7391 BRA 1.3217 BC3 .1194 FSP -238

MID-COURSE EXECUTION ACCURACY
 SGT 1344.7 SGR 456.6 SG3 94.4
 RRT .0738 RRF -.0794 RTF -.8218
 SGB 1420.1 R23 -.0109 R13 -.8219
 SG1 1345.2 SG2 455.1 THA 1.62

ORBIT DETERMINATION ACCURACY
 ST 675.7 SR 380.9 SS 644.1
 CRT -.7380 CRS -.8495 CST .9822
 LSA 980.2 MSA 235.6 SSA 16.2
 EL1 739.2 EL2 234.9 ALF 154.68

LAUNCH DATE MAY 24 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -.00 LOL 242.16 VL 24.346 GAL 6.33 AZL 93.30 HCA 90.68 SMA 114.46 ECC .33985 INC 3.3001 V1 29.412
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.751 GAP -19.68 AZP 89.96 TAL 167.39 TAP 258.07 RCA 75.56 APO 153.36 V2 34.801
 RC 42.956 GL -13.60 GP 2.34 ZAL 66.49 ZAP 5.94 ETS 203.61 ZAE 165.86 ETE 84.88 ZAC 105.93 ETC 15.99 CLP 5.46

PLANETOCENTRIC CONIC
 C3 35.115 VHL 5.926 DLA -11.03 RAL 171.23 RAD 6568.4 VEL 12.509 PTH 2.26 VHP 12.015 DPA 13.74 RAP 162.12 ECC 1.5779
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 56 2004.10 -13.97 28.58 39.92 114.88 8 40 20 1404.1 -10.50 21.62
 90.00 17 15 47 5346.84 27.66 243.72 46.62 83.69 18 44 54 4746.8 26.50 235.24
 100.00 9 22 44 1759.51 -15.23 9.97 39.30 116.04 9 52 4 1159.5 -11.60 3.06
 100.00 18 42 39 5066.66 29.04 222.92 46.43 82.60 20 7 6 4466.7 27.72 214.37
 110.00 10 18 27 1585.05 -18.54 354.92 37.49 119.25 10 44 52 985.1 -14.50 348.14
 110.00 20 3 26 4813.89 32.74 203.05 45.76 79.57 21 23 40 4213.9 30.96 194.29

DIFFERENTIAL CORRECTIONS
 TDE .6228 TRA-1.2798 TC3 .0233 BAU .0631
 RDE -.3798 RRA -.2145 RC3 .1325 FAU .02218
 FDE -.6320 FRA .8115 FC3 -.5469 BSP 4298
 BDE .7295 BRA 1.2976 BC3 .1345 FSP -264

MID-COURSE EXECUTION ACCURACY
 SGT 1397.4 SGR 451.9 SG3 103.4
 RRT .0786 RRF -.0856 RTF -.8333
 SGB 1468.6 R23 -.0125 R13 -.8334
 SG1 1397.9 SG2 450.3 THA 1.62

ORBIT DETERMINATION ACCURACY
 ST 711.1 SR 372.7 SS 681.8
 CRT -.7439 CRS -.8543 CST .9822
 LSA 1027.3 MSA 232.0 SSA 16.3
 EL1 769.1 EL2 230.3 ALF 156.46

LAUNCH DATE MAY 24 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -.00 LOL 242.16 VL 24.592 GAL 5.97 AZL 93.35 HCA 93.84 SMA 115.66 ECC .32510 INC 3.3463 V1 29.412
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.924 GAP -18.68 AZP 89.78 TAL 167.32 TAP 261.16 RCA 78.06 APO 153.26 V2 34.806
 RC 42.841 GL -14.63 GP 2.49 ZAL 66.72 ZAP 4.63 ETS 212.82 ZAE 165.05 ETE 74.02 ZAC 104.33 ETC 15.75 CLP 3.91

PLANETOCENTRIC CONIC
 C3 31.961 VHL 5.653 DLA -11.92 RAL 170.69 RAD 6568.3 VEL 12.383 PTH 2.24 VHP 11.444 DPA 13.28 RAP 163.71 ECC 1.5260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 15 1950.44 -12.41 25.41 37.86 115.66 8 44 45 1350.4 -8.85 18.53
 90.00 17 6 12 5353.05 27.71 244.17 44.69 83.91 18 35 25 4753.1 26.57 235.68
 100.00 9 27 31 1707.58 -13.65 6.92 37.23 116.85 9 55 59 1107.6 -9.94 .10
 100.00 18 33 36 5071.15 29.08 223.25 44.51 82.77 19 58 7 4471.1 27.78 214.69
 110.00 10 22 3 1536.79 -16.91 352.13 35.40 120.16 10 47 40 936.8 -12.78 345.46
 110.00 19 55 34 4814.69 32.75 203.11 43.85 79.61 21 15 48 4214.7 30.97 194.35

DIFFERENTIAL CORRECTIONS
 TDE .6295 TRA-1.2562 TC3 .0604 BAU .0678
 RDE -.3531 RRA -.2017 RC3 .1468 FAU .02335
 FDE -.6737 FRA .8326 FC3 -.6324 BSP 4494
 BDE .7217 BRA 1.2723 BC3 .1587 FSP -293

MID-COURSE EXECUTION ACCURACY
 SGT 1450.8 SGR 446.4 SG3 113.4
 RRT .0848 RRF -.0931 RTF -.8441
 SGB 1517.9 R23 -.0142 R13 -.8442
 SG1 1451.3 SG2 444.6 THA 1.65

ORBIT DETERMINATION ACCURACY
 ST 747.9 SR 363.3 SS 722.2
 CRT -.7500 CRS -.8591 CST .9822
 LSA 1077.4 MSA 227.9 SSA 16.4
 EL1 800.6 EL2 224.5 ALF 158.18

LAUNCH DATE MAY 24 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC
 RL 151.49 LAL -.00 LOL 242.16 VL 24.819 GAL 5.61 AZL 93.39 HCA 97.01 SMA 116.81 ECC .31123 INC 3.3928 V1 29.412
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.086 GAP -17.72 AZP 89.59 TAL 167.29 TAP 264.30 RCA 80.45 APO 153.16 V2 34.812
 RC 42.900/ GL -15.71 GP 2.65 ZAL 67.04 ZAP 3.53 ETS 228.96 ZAE 163.83 ETE 64.55 ZAC 102.76 ETC 15.52 CLP 2.33

PLANETOCENTRIC CONIC
 C3 29.163 VHL 5.400 DLA -12.83 RAL 170.06 RAD 6568.2 VEL 12.269 PTH 2.21 VHP 10.893 DPA 12.83 RAP 165.29 ECC 1.4800
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 23 1896.79 -10.81 22.28 35.80 116.33 8 49 0 1296.8 -7.18 15.48
 90.00 16 55 59 5360.71 27.76 244.72 42.72 84.18 18 25 20 4760.7 26.67 236.23
 100.00 9 32 6 1655.76 -12.04 3.92 35.16 117.57 9 59 42 1055.8 -8.25 357.18
 100.00 18 23 57 5076.98 29.13 223.68 42.54 82.99 19 48 34 4477.0 27.86 215.11
 110.00 10 25 24 1488.83 -15.25 349.40 33.31 120.97 10 50 13 888.8 -11.03 342.84
 110.00 19 47 9 4816.67 32.77 203.26 41.90 79.69 21 7 26 4216.7 31.01 194.49

DIFFERENTIAL CORRECTIONS
 TDE .6373 TRA-1.2309 TC3 .1038 BAU .0751
 RDE -.3272 RRA -.1895 RC3 .1621 FAU .02465
 FDE -.7202 FRA .8543 FC3 -.7317 BSP 4686
 BDE .7163 BRA 1.2454 BC3 .1925 FSP -325

MID-COURSE EXECUTION ACCURACY
 SGT 1504.6 SGR 440.1 SG3 124.4
 RRT .0923 RRF -.1023 RTF -.8543
 SGB 1567.6 R23 -.0162 R13 -.8544
 SG1 1505.2 SG2 438.1 THA 1.69

ORBIT DETERMINATION ACCURACY
 ST 786.5 SR 352.7 SS 765.9
 CRT -.7565 CRS -.8638 CST .9824
 LSA 1131.1 MSA 223.2 SSA 16.5
 EL1 834.1 EL2 217.5 ALF 159.83

LAUNCH DATE MAY 24 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 245.713

RL 151.49 LAL -0.00 LOL 242.16 VL 25.030 GAL 5.28 AZL 93.44 HCA 100.18 SMA 117.90 ECC .29821 INC 3.4399 V1 29.412
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.237 GAP -16.80 AZP 89.39 TAL 167.31 TAP 267.49 RCA 82.74 APO 153.06 V2 34.819
 RC 43.133 GL -16.83 GP 2.84 ZAL 67.46 ZAP 2.93 ETS 255.84 ZAE 162.31 ETE 56.67 ZAC 101.20 ETC 15.30 CLP .73

PLANETOCENTRIC CONIC

C3 26.685 VHL 5.166 DLA -13.74 RAL 169.32 RAD 6568.1 VEL 12.168 PTH 2.18 VHP 10.362 DPA 12.40 RAP 166.84 ECC 1.4392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 24 1843.25 -9.17 19.20 33.75 116.91 8 53 7 1243.3 -5.49 12.45
 90.00 16 45 8 5369.99 27.82 245.39 40.71 84.51 18 14 38 4770.0 26.77 236.88
 100.00 9 36 30 1604.15 -10.39 .97 33.10 118.19 10 3 14 1004.1 -6.55 354.30
 100.00 18 13 43 5084.32 29.19 224.21 40.54 83.27 19 38 27 4484.3 27.95 215.63
 110.00 10 28 30 1441.27 -13.57 346.75 31.24 121.68 10 52 32 841.3 -9.28 340.27
 110.00 19 38 12 4819.96 32.81 203.51 39.91 79.83 20 58 32 4220.0 31.06 194.73

DIFFERENTIAL CORRECTIONS

TDE .6461 TRA-1.2046 TC3 .1532 BAU .0839
 RDE -.3021 RRA -.1780 RC3 .1784 FAU .02609
 FDE -.7722 FRA .8769 FC3 -.8465 BSP 4872
 BDE .7132 BRA 1.2177 BC3 .2352 FSP -361

MID-COURSE EXECUTION ACCURACY

SGT 1559.0 SGR 433.1 SG3 136.6
 RRT .1017 RRF -.1135 RTF -.8637
 SGB 1618.0 R23 -.0186 R13 -.8639
 SG1 1559.6 SG2 430.7 THA 1.75

ORBIT DETERMINATION ACCURACY

ST 826.9 SR 340.6 SS 813.0
 CRT -.7631 CRS -.8682 CST .9826
 LSA 1188.7 MSA 218.0 SSA 16.6
 EL1 869.5 EL2 209.4 ALF 161.44

LAUNCH DATE MAY 24 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 252.426

RL 151.49 LAL -0.00 LOL 242.16 VL 25.225 GAL 4.95 AZL 93.49 HCA 103.34 SMA 118.93 ECC .28601 INC 3.4880 V1 29.412
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.379 GAP -15.91 AZP 89.19 TAL 167.38 TAP 270.72 RCA 84.92 APO 152.95 V2 34.826
 RC 43.534 GL -18.00 GP 3.05 ZAL 67.96 ZAP 3.18 ETS 286.80 ZAE 160.60 ETE 50.26 ZAC 99.67 ETC 15.10 CLP -.91

PLANETOCENTRIC CONIC

C3 24.495 VHL 4.949 DLA -14.66 RAL 168.49 RAD 6568.0 VEL 12.078 PTH 2.16 VHP 9.851 DPA 12.00 RAP 168.36 ECC 1.4031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 17 1789.88 -7.52 16.15 31.71 117.38 8 57 7 1189.9 -3.79 9.45
 90.00 16 33 38 5381.06 27.89 246.20 38.67 84.91 18 3 19 4781.1 26.90 237.67
 100.00 9 40 45 1552.85 -8.73 358.07 31.05 118.70 10 6 38 952.8 -4.83 351.45
 100.00 18 2 51 5093.33 29.26 224.87 38.52 83.61 19 27 44 4493.3 28.07 216.27
 110.00 10 31 23 1394.24 -11.87 344.16 29.17 122.29 10 54 38 794.2 -7.52 337.76
 110.00 19 28 42 4824.70 32.87 203.87 37.91 80.04 20 49 7 4224.7 31.15 195.07

DIFFERENTIAL CORRECTIONS

TDE .6571 TRA-1.1734 TC3 .2102 BAU .0940
 RDE -.2777 RRA -.1673 RC3 .1957 FAU .02771
 FDE -.8309 FRA .9000 FC3 -.9795 BSP 5083
 BDE .7134 BRA 1.1853 BC3 .2872 FSP -401

MID-COURSE EXECUTION ACCURACY

SGT 1610.4 SGR 425.4 SG3 150.3
 RRT .1123 RRF -.1274 RTF -.8731
 SGB 1665.7 R23 -.0223 R13 -.8733
 SG1 1611.2 SG2 422.5 THA 1.82

ORBIT DETERMINATION ACCURACY

ST 869.6 SR 327.1 SS 864.0
 CRT -.7707 CRS -.8723 CST .9833
 LSA 1250.8 MSA 211.8 SSA 16.7
 EL1 907.3 EL2 199.7 ALF 162.98

LAUNCH DATE MAY 24 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 259.144

RL 151.49 LAL -0.00 LOL 242.16 VL 25.406 GAL 4.65 AZL 93.54 HCA 106.51 SMA 119.92 ECC .27462 INC 3.5374 V1 29.412
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.512 GAP -15.05 AZP 88.99 TAL 167.49 TAP 274.00 RCA 86.99 APO 152.85 V2 34.834
 RC 44.099 GL -19.20 GP 3.28 ZAL 68.55 ZAP 4.18 ETS 308.39 ZAE 158.81 ETE 45.10 ZAC 98.18 ETC 14.90 CLP -2.59

PLANETOCENTRIC CONIC

C3 22.564 VHL 4.750 DLA -15.58 RAL 167.57 RAD 6567.9 VEL 11.998 PTH 2.14 VHP 9.358 DPA 11.63 RAP 169.85 ECC 1.3713
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 6 1736.72 -5.84 13.14 29.69 117.76 9 1 3 1136.7 -2.08 6.48
 90.00 16 21 28 5394.10 27.97 247.14 36.63 85.38 17 51 22 4794.1 27.03 238.60
 100.00 9 44 53 1501.91 -7.05 355.22 29.02 119.12 10 9 55 901.9 -3.12 348.64
 100.00 17 51 22 5104.14 29.34 225.67 36.48 84.02 19 16 27 4504.1 28.20 217.05
 110.00 10 34 4 1347.83 -10.17 341.64 27.13 122.81 10 56 32 747.8 -5.77 335.31
 110.00 19 18 41 4830.98 32.94 204.35 35.90 80.31 20 39 12 4231.0 31.26 195.53

DIFFERENTIAL CORRECTIONS

TDE .6674 TRA-1.1455 TC3 .2732 BAU .1047
 RDE -.2539 RRA -.1574 RC3 .2140 FAU .02952
 FDE -.8971 FRA .9241 FC3 -1.1327 BSP 5264
 BDE .7140 BRA 1.1563 BC3 .3470 FSP -447

MID-COURSE EXECUTION ACCURACY

SGT 1665.2 SGR 417.1 SG3 165.5
 RRT .1281 RRF -.1445 RTF -.8812
 SGB 1716.7 R23 -.0244 R13 -.8814
 SG1 1666.2 SG2 413.4 THA 1.96

ORBIT DETERMINATION ACCURACY

ST 912.8 SR 311.9 SS 919.2
 CRT -.7762 CRS -.8759 CST .9836
 LSA 1316.3 MSA 206.4 SSA 16.7
 EL1 945.8 EL2 189.8 ALF 164.50

LAUNCH DATE MAY 24 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 265.863

RL 151.49 LAL -0.00 LOL 242.16 VL 25.572 GAL 4.36 AZL 93.59 HCA 109.68 SMA 120.84 ECC .26399 INC 3.5885 V1 29.412
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.636 GAP -14.22 AZP 88.79 TAL 167.64 TAP 277.32 RCA 88.94 APO 152.75 V2 34.842
 RC 44.820 GL -20.45 GP 3.54 ZAL 69.22 ZAP 5.59 ETS 320.65 ZAE 157.01 ETE 40.96 ZAC 96.72 ETC 14.72 CLP -4.32

PLANETOCENTRIC CONIC

C3 20.866 VHL 4.568 DLA -16.51 RAL 166.56 RAD 6567.8 VEL 11.927 PTH 2.12 VHP 8.884 DPA 11.30 RAP 171.30 ECC 1.3434
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 53 1683.81 -4.15 10.17 27.69 118.04 9 4 57 1083.8 -3.37 3.53
 90.00 16 8 38 5409.26 28.05 248.24 34.57 85.93 17 38 47 4809.3 27.19 239.68
 100.00 9 48 55 1451.39 -5.37 352.41 27.02 119.45 10 13 7 851.4 -1.41 345.87
 100.00 17 39 17 5116.91 29.43 226.61 34.44 84.50 19 4 34 4516.9 28.36 217.97
 110.00 10 36 34 1302.13 -8.47 339.19 25.12 123.24 10 58 16 702.1 -4.04 332.91
 110.00 19 8 8 4838.93 33.03 204.95 33.89 80.66 20 28 47 4238.9 31.39 196.11

DIFFERENTIAL CORRECTIONS

TDE .6793 TRA-1.1147 TC3 .3421 BAU .1155
 RDE -.2306 RRA -.1483 RC3 .2332 FAU .03155
 FDE -.9721 FRA .9493 FC3 -1.3091 BSP 5445
 BDE .7173 BRA 1.1245 BC3 .4140 FSP -497

MID-COURSE EXECUTION ACCURACY

SGT 1717.6 SGR 408.3 SG3 182.5
 RRT .1471 RRF -.1660 RTF -.8888
 SGB 1765.5 R23 -.0280 R13 -.8891
 SG1 1718.7 SG2 403.6 THA 2.12

ORBIT DETERMINATION ACCURACY

ST 957.8 SR 295.1 SS 979.0
 CRT -.7815 CRS -.8787 CST .9841
 LSA 1386.5 MSA 200.6 SSA 16.6
 EL1 986.2 EL2 178.8 ALF 165.99

LAUNCH DATE MAY 24 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 272.582

RL 151.49 LAL -.00 LOL 242.16 VL 25.726 GAL 4.08 AZL 93.64 HCA 112.86 SMA 121.72 ECC .25412 INC 3.6417 V1 29.412
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.752 GAP -13.41 AZP 88.58 TAL 167.82 TAP 280.68 RCA 90.79 APO 152.65 V2 34.851
 RC 45.690 GL -21.73 GP 3.84 ZAL 69.96 ZAP 7.21 ETS 327.77 ZAE 155.26 ETE 37.65 ZAC 95.30 ETC 14.54 CLP -6.10

PLANETOCENTRIC CONIC

C3 19.380 VHL 4.402 DLA -17.44 RAL 165.47 RAD 6567.8 VEL 11.864 PTH 2.10 VHP 8.427 DPA 11.02 RAP 172.72 ECC 1.3189
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 41 42 1631.14 -2.46 7.22 25.73 118.22 9 8 53 1031.1 1.33 .59
 90.00 15 55 7 5426.71 28.12 249.51 32.53 86.56 17 25 33 4826.7 27.35 240.93
 100.00 9 52 55 1401.33 -3.69 349.65 25.05 119.68 10 16 16 801.3 .29 343.12
 100.00 17 26 35 5131.74 29.52 227.70 32.41 85.07 18 52 0 4531.7 28.52 219.04
 110.00 10 38 55 1257.22 -6.79 336.80 23.13 123.58 10 59 52 657.2 -2.33 330.56
 110.00 18 57 4 4848.62 33.14 205.69 31.90 81.08 20 17 53 4248.6 31.55 196.82

DIFFERENTIAL CORRECTIONS

TDE .6924 TRA-1.0820 TC3 .4162 BAU .1262
 RDE -.2076 RRA -.1401 RC3 .2534 FAU .03382
 FDE-1.0574 FRA .9756 FC3-1.5109 BSP 5619
 BDE .7229 BRA 1.0910 BC3 .4873 FSP -554

MID-COURSE EXECUTION ACCURACY

SGT 1767.9 SGR 399.2 SG3 201.4
 RRT .1707 RRF -.1928 RTF -.8959
 SGB 1812.4 R23 -.0324 R13 -.8962
 SG1 1769.2 SG2 393.0 THA 2.32

ORBIT DETERMINATION ACCURACY

ST 1004.2 SR 276.3 SS 1043.8
 CRT -.7858 CRS -.8803 CST .9847
 LSA 1461.6 MSA 194.6 SSA 16.5
 EL1 1028.0 EL2 166.9 ALF 167.46

LAUNCH DATE MAY 24 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 279.298

RL 151.49 LAL -.00 LOL 242.16 VL 25.867 GAL 3.82 AZL 93.70 HCA 116.03 SMA 122.54 ECC .24496 INC 3.6974 V1 29.412
 RP 108.71 LAP -3.32 LOP 358.23 VP 36.860 GAP -12.64 AZP 88.38 TAL 168.05 TAP 284.07 RCA 92.52 APO 152.55 V2 34.860
 RC 46.700 GL -23.04 GP 4.18 ZAL 70.77 ZAP 8.98 ETS 332.18 ZAE 153.61 ETE 35.02 ZAC 93.93 ETC 14.36 CLP -7.95

PLANETOCENTRIC CONIC

C3 18.083 VHL 4.252 DLA -18.38 RAL 164.31 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 7.989 DPA 10.80 RAP 174.10 ECC 1.2976
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 36 1578.67 -.77 4.29 23.81 118.31 9 12 55 978.7 3.02 357.66
 90.00 15 40 54 5446.62 28.20 250.97 30.50 87.28 17 11 41 4846.6 27.52 242.37
 100.00 9 56 56 1351.73 -2.01 346.92 23.12 119.83 10 19 28 751.7 1.97 340.40
 100.00 17 13 16 5148.79 29.61 228.96 30.40 85.73 18 39 4 4548.8 28.71 220.27
 110.00 10 41 10 1213.15 -5.12 334.48 21.18 123.84 11 1 23 613.2 -.64 328.26
 110.00 18 45 31 4860.13 33.26 206.56 29.93 81.59 20 6 31 4260.1 31.74 197.67

DIFFERENTIAL CORRECTIONS

TDE .7069 TRA-1.0478 TC3 .4962 BAU .1371
 RDE -.1847 RRA -.1329 RC3 .2748 FAU .03639
 FDE-1.1549 FRA 1.0032 FC3-1.7420 BSP 5801
 BDE .7306 BRA 1.0562 BC3 .5672 FSP -619

MID-COURSE EXECUTION ACCURACY

SGT 1816.1 SGR 390.1 SG3 222.7
 RRT .2008 RRF -.2264 RTF -.9027
 SGB 1857.5 R23 -.0375 R13 -.9031
 SG1 1817.9 SG2 381.8 THA 2.58

ORBIT DETERMINATION ACCURACY

ST 1051.8 SR 255.4 SS 1114.3
 CRT -.7882 CRS -.8802 CST .9854
 LSA 1541.9 MSA 188.7 SSA 16.3
 EL1 1071.3 EL2 154.3 ALF 168.93

LAUNCH DATE MAY 24 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 286.008

RL 151.49 LAL -.00 LOL 242.16 VL 25.997 GAL 3.57 AZL 93.76 HCA 119.20 SMA 123.30 ECC .23648 INC 3.7563 V1 29.412
 RP 108.68 LAP -3.28 LOP 36.960 GAP -11.89 AZP 88.17 TAL 168.30 TAP 287.50 RCA 94.14 APO 152.46 V2 34.870
 RC 47.841 GL -24.38 GP 4.57 ZAL 71.63 ZAP 10.86 ETS 335.07 ZAE 152.09 ETE 32.95 ZAC 92.62 ETC 14.20 CLP -9.86

PLANETOCENTRIC CONIC

C3 16.958 VHL 4.118 DLA -19.32 RAL 163.07 RAD 6567.7 VEL 11.762 PTH 2.08 VHP 7.568 DPA 10.65 RAP 175.43 ECC 1.2791
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 41 1526.31 .92 1.37 21.95 118.30 9 17 8 926.3 4.70 354.73
 90.00 15 25 59 5469.21 28.26 252.62 28.51 88.11 16 57 8 4869.2 27.70 244.00
 100.00 10 1 2 1302.55 -.34 344.22 21.24 119.89 10 22 44 702.5 3.64 337.70
 100.00 16 59 19 5168.20 29.70 230.40 28.43 86.48 18 25 28 4568.2 28.90 221.68
 110.00 10 43 21 1169.95 -3.48 332.21 19.28 124.03 11 2 51 570.0 1.01 326.00
 110.00 18 33 30 4873.56 33.38 207.59 28.00 82.19 19 54 44 4273.6 31.94 198.66

DIFFERENTIAL CORRECTIONS

TDE .7217 TRA-1.0127 TC3 .5783 BAU .1474
 RDE -.1617 RRA -.1266 RC3 .2974 FAU .03926
 FDE-1.2662 FRA 1.0322 FC3-2.0040 BSP 5958
 BDE .7396 BRA 1.0206 BC3 .6503 FSP -692

MID-COURSE EXECUTION ACCURACY

SGT 1861.3 SGR 381.4 SG3 246.6
 RRT .2387 RRF -.2682 RTF -.9088
 SGB 1900.0 R23 -.0436 R13 -.9093
 SG1 1863.6 SG2 369.9 THA 2.92

ORBIT DETERMINATION ACCURACY

ST 1099.6 SR 232.0 SS 1190.4
 CRT -.7870 CRS -.8772 CST .9862
 LSA 1626.7 MSA 183.2 SSA 16.1
 EL1 1114.9 EL2 141.2 ALF 170.42

LAUNCH DATE MAY 24 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 292.711

RL 151.49 LAL -.00 LOL 242.16 VL 26.116 GAL 3.34 AZL 93.82 HCA 122.38 SMA 124.02 ECC .22867 INC 3.8190 V1 29.412
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.054 GAP -11.17 AZP 87.95 TAL 168.58 TAP 290.96 RCA 95.66 APO 152.37 V2 34.881
 RC 49.103 GL -25.74 GP 5.02 ZAL 72.54 ZAP 12.86 ETS 337.01 ZAE 150.73 ETE 31.36 ZAC 91.36 ETC 14.03 CLP -11.86

PLANETOCENTRIC CONIC

C3 15.989 VHL 3.999 DLA -20.25 RAL 161.78 RAD 6567.6 VEL 11.721 PTH 2.07 VHP 7.164 DPA 10.58 RAP 176.71 ECC 1.2631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 4 1473.87 2.61 358.45 20.15 118.21 9 21 38 873.9 6.36 351.78
 90.00 15 10 18 5494.73 28.30 254.48 26.55 89.04 16 41 53 4894.7 27.87 245.84
 100.00 10 5 18 1253.68 1.31 341.54 19.43 119.87 10 26 12 653.7 5.28 335.00
 100.00 16 44 45 5190.16 29.78 232.02 26.50 87.33 18 11 16 4590.2 29.10 223.29
 110.00 10 45 31 1127.61 -1.87 330.00 17.44 124.14 11 4 19 527.6 2.63 323.79
 110.00 18 21 1 4888.98 33.52 208.77 26.12 82.87 19 42 30 4289.0 32.17 199.80

DIFFERENTIAL CORRECTIONS

TDE .7393 TRA -.9746 TC3 .6658 BAU .1581
 RDE -.1382 RRA -.1214 RC3 .3216 FAU .04252
 FDE-1.3952 FRA 1.0616 FC3-2.3025 BSP 6155
 BDE .7521 BRA .9821 BC3 .7394 FSP -776

MID-COURSE EXECUTION ACCURACY

SGT 1902.9 SGR 373.8 SG3 273.4
 RRT .2856 RRF -.3198 RTF -.9152
 SGB 1939.3 R23 -.0510 R13 -.9158
 SG1 1906.0 SG2 357.7 THA 3.33

ORBIT DETERMINATION ACCURACY

ST 1149.7 SR 205.8 SS 1274.0
 CRT -.7810 CRS -.8696 CST .9871
 LSA 1719.2 MSA 177.2 SSA 15.7
 EL1 1161.0 EL2 127.3 ALF 171.94

LAUNCH DATE MAY 24 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 299.406

RL 151.49 LAL -0.00 LOL 242.16 VL 26.225 GAL 3.12 AZL 93.89 HCA 125.56 SMA 124.68 ECC .22148 INC 3.8863 V1 29.412
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.141 GAP -10.46 AZP 87.74 TAL 168.88 TAP 294.44 RCA 97.07 APO 152.29 V2 34.891
 RC 50.476 GL -27.12 GP 5.53 ZAL 73.48 ZAP 14.99 ETS 338.34 ZAE 149.54 ETE 30.21 ZAC 90.18 ETC 13.87 CLP -13.95

PLANETOCENTRIC CONIC

C3 15.162 VHL 3.894 DLA -21.19 RAL 160.45 RAD 6567.6 VEL 11.685 PTH 2.06 VHP 6.778 DPA 10.60 RAP 177.93 ECC 1.2495
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 54 1421.05 4.30 355.49 18.43 118.01 9 26 35 821.1 8.02 348.78
 90.00 14 53 49 5523.57 28.32 256.59 24.64 90.10 16 25 52 4923.6 28.03 247.94
 100.00 10 9 51 1204.94 2.96 338.86 17.69 119.76 10 29 56 604.9 6.90 332.29
 100.00 16 29 32 5214.91 29.85 233.86 24.62 88.30 17 56 27 4614.9 29.29 225.10
 110.00 10 47 47 1086.08 -2.28 327.83 15.67 124.18 11 5 53 486.1 4.21 321.62
 110.00 18 8 6 4906.54 33.66 210.13 24.31 83.66 19 29 53 4306.5 32.42 201.11

DIFFERENTIAL CORRECTIONS

TDE .7549 TRA -.9376 TC3 .7481 BAU .1672
 RDE -.1137 RRA -.1173 RC3 .3477 FAU .04615
 FDE-1.5417 FRA 1.0941 FC3-2.6351 BSP 6300
 BDE .7634 BRA .9449 BC3 .8250 FSP -870

MID-COURSE EXECUTION ACCURACY

SGT 1939.7 SGR 368.3 SG3 303.5
 RRT .3442 RRF -.3832 RTF -.9202
 SGB 1974.4 R23 -.0598 R13 -.9210
 SG1 1944.0 SG2 345.0 THA 3.86

ORBIT DETERMINATION ACCURACY

ST 1196.3 SR 176.5 SS 1363.2
 CRT -.7628 CRS -.8527 CST .9878
 LSA 1813.9 MSA 172.6 SSA 15.3
 EL1 1203.9 EL2 113.4 ALF 173.52

LAUNCH DATE MAY 24 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 306.089

RL 151.49 LAL -0.00 LOL 242.16 VL 26.324 GAL 2.92 AZL 93.96 HCA 128.74 SMA 125.29 ECC .21489 INC 3.9592 V1 29.412
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.221 GAP -9.79 AZP 87.52 TAL 169.20 TAP 297.94 RCA 98.37 APO 152.22 V2 34.903
 RC 51.950 GL -28.51 GP 6.13 ZAL 74.44 ZAP 17.24 ETS 339.24 ZAE 148.54 ETE 29.46 ZAC 89.08 ETC 13.71 CLP -16.14

PLANETOCENTRIC CONIC

C3 14.466 VHL 3.803 DLA -22.13 RAL 159.07 RAD 6567.6 VEL 11.656 PTH 2.05 VHP 6.409 DPA 10.74 RAP 179.09 ECC 1.2381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 22 1367.39 6.01 352.47 16.81 117.72 9 32 10 767.4 9.68 345.71
 90.00 14 36 24 5556.24 28.29 258.98 22.80 91.30 16 9 0 4956.2 28.17 250.32
 100.00 10 14 51 1156.05 4.61 336.17 16.04 119.57 10 34 7 556.1 8.51 329.56
 100.00 16 13 36 5242.81 29.89 235.93 22.81 89.39 17 40 59 4642.8 29.48 227.15
 110.00 10 50 12 1045.24 1.28 325.70 13.97 124.16 11 7 37 445.2 5.76 319.47
 110.00 17 54 44 4926.39 33.80 211.66 22.57 84.56 19 16 51 4326.4 32.68 202.60

DIFFERENTIAL CORRECTIONS

TDE .7704 TRA -.8997 TC3 .8252 BAU .1754
 RDE -.0877 RRA -.1145 RC3 .3764 FAU .05020
 FDE-1.7108 FRA 1.1282 FC3-3.0043 BSP 6402
 BDE .7753 BRA .9070 BC3 .9070 FSP -974

MID-COURSE EXECUTION ACCURACY

SGT 1970.3 SGR 366.2 SG3 337.2
 RRT .4140 RRF -.4585 RTF -.9247
 SGB 2004.0 R23 -.0708 R13 -.9257
 SG1 1976.3 SG2 332.4 THA 4.53

ORBIT DETERMINATION ACCURACY

ST 1240.9 SR 143.8 SS 1459.7
 CRT -.7216 CRS -.8163 CST .9885
 LSA 1913.8 MSA 168.5 SSA 14.7
 EL1 1245.3 EL2 99.2 ALF 175.19

LAUNCH DATE MAY 24 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 312.760

RL 151.49 LAL -0.00 LOL 242.16 VL 26.415 GAL 2.73 AZL 94.04 HCA 131.92 SMA 125.86 ECC .20888 INC 4.0390 V1 29.412
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.296 GAP -9.13 AZP 87.30 TAL 169.53 TAP 301.45 RCA 99.57 APO 152.15 V2 34.914
 RC 53.515 GL -29.91 GP 6.83 ZAL 75.41 ZAP 19.63 ETS 339.82 ZAE 147.73 ETE 29.12 ZAC 88.07 ETC 13.54 CLP -18.45

PLANETOCENTRIC CONIC

C3 13.889 VHL 3.727 DLA -23.08 RAL 157.68 RAD 6567.5 VEL 11.631 PTH 2.04 VHP 6.057 DPA 11.02 RAP 180.19 ECC 1.2286
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 47 1312.16 7.75 349.34 15.31 117.32 9 38 39 712.2 11.35 342.52
 90.00 14 17 51 5593.53 28.20 261.71 21.03 92.66 15 51 4 4993.5 28.27 253.04
 100.00 10 20 29 1106.55 6.27 333.43 14.51 119.29 10 38 55 506.6 10.12 326.76
 100.00 15 56 50 5274.36 29.89 238.28 21.09 90.62 17 24 44 4674.4 29.65 229.48
 110.00 10 52 54 1004.90 2.82 323.60 12.37 124.08 11 9 39 404.9 7.28 317.34
 110.00 17 40 54 4948.78 33.93 213.39 20.93 85.58 19 3 23 4348.8 32.95 204.29

DIFFERENTIAL CORRECTIONS

TDE .7853 TRA -.8610 TC3 .8956 BAU .1828
 RDE -.0595 RRA -.1130 RC3 .4086 FAU .05475
 FDE-1.9052 FRA 1.1641 FC3-3.4125 BSP 6499
 BDE .7876 BRA .8684 BC3 .9844 FSP -1092

MID-COURSE EXECUTION ACCURACY

SGT 1993.5 SGR 369.8 SG3 375.0
 RRT .4945 RRF -.5446 RTF -.9286
 SGB 2027.5 R23 -.0843 R13 -.9300
 SG1 2002.1 SG2 320.0 THA 5.38

ORBIT DETERMINATION ACCURACY

ST 1282.4 SR 108.0 SS 1563.5
 CRT -.6197 CRS -.7260 CST .9892
 LSA 2018.2 MSA 164.9 SSA 14.1
 EL1 1284.1 EL2 84.6 ALF 177.00

LAUNCH DATE MAY 24 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 319.418

RL 151.49 LAL -0.00 LOL 242.16 VL 26.497 GAL 2.56 AZL 94.13 HCA 135.11 SMA 126.38 ECC .20340 INC 4.1272 V1 29.412
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.366 GAP -8.49 AZP 87.07 TAL 169.86 TAP 304.97 RCA 100.68 APO 152.09 V2 34.926
 RC 55.163 GL -31.33 GP 7.65 ZAL 76.37 ZAP 22.19 ETS 340.17 ZAE 147.10 ETE 29.19 ZAC 87.16 ETC 13.38 CLP -20.89

PLANETOCENTRIC CONIC

C3 13.425 VHL 3.664 DLA -24.04 RAL 156.27 RAD 6567.5 VEL 11.611 PTH 2.03 VHP 5.723 DPA 11.47 RAP 181.22 ECC 1.2209
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 33 1254.14 9.55 346.03 13.95 116.79 9 46 27 654.1 13.07 339.12
 90.00 13 57 49 5636.70 28.03 264.85 19.34 94.23 15 31 46 5036.7 28.32 256.20
 100.00 10 27 1 1055.74 7.95 330.60 13.10 118.91 10 44 36 455.7 11.75 323.87
 100.00 15 39 3 5310.33 29.83 240.95 19.45 92.03 17 7 33 4710.3 29.79 232.15
 110.00 10 56 1 964.78 4.35 321.49 10.89 123.94 11 12 6 364.8 8.78 315.20
 110.00 17 26 32 4974.05 34.05 215.36 19.40 86.74 18 49 26 4374.1 33.22 206.22

DIFFERENTIAL CORRECTIONS

TDE .7992 TRA -.8220 TC3 .9547 BAU .1891
 RDE -.0279 RRA -.1129 RC3 .4452 FAU .05981
 FDE-2.1299 FRA 1.2017 FC3-3.8571 BSP 6565
 BDE .7997 BRA .8297 BC3 1.0534 FSP -1225

MID-COURSE EXECUTION ACCURACY

SGT 2008.0 SGR 381.7 SG3 417.2
 RRT .5815 RRF -.6371 RTF -.9319
 SGB 2044.0 R23 -.1009 R13 -.9338
 SG1 2020.5 SG2 308.6 THA 6.46

ORBIT DETERMINATION ACCURACY

ST 1319.3 SR 73.3 SS 1675.5
 CRT -.3095 CRS -.4387 CST .9898
 LSA 2127.6 MSA 162.0 SSA 13.3
 EL1 1319.5 EL2 69.7 ALF 179.01

LAUNCH DATE MAY 24 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 326.061

RL 151.49 LAL -.00 LOL 242.16 VL 26.571 GAL 2.41 AZL 94.23 HCA 138.30 SMA 126.86 ECC .19845 INC 4.2260 V1 29.412
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.430 GAP -7.87 AZP 86.84 TAL 170.20 TAP 308.49 RCA 101.68 APO 152.03 V2 34.938
 RC 56.885 GL -32.76 GP 8.63 ZAL 77.32 ZAP 24.94 ETS 340.32 ZAE 146.65 ETE 29.72 ZAC 86.35 ETC 13.21 CLP -23.49

PLANETOCENTRIC CONIC

C3 13.068 VHL 3.615 DLA -25.02 RAL 154.85 RAD 6567.5 VEL 11.595 PTH 2.03 VHP 5.407 DPA 12.11 RAP 182.19 ECC 1.2151
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 23 1191.28 11.45 342.39 12.77 116.07 9 56 14 591.3 14.87 335.38
 90.00 13 35 42 5687.89 27.71 268.56 17.72 96.07 15 10 30 5087.9 28.26 259.94
 100.00 10 34 51 1002.49 9.69 327.60 11.85 118.42 10 51 34 402.5 13.41 320.79
 100.00 15 19 55 5351.91 29.69 244.04 17.91 93.65 16 49 7 4751.9 29.88 235.24
 110.00 10 59 44 924.44 5.88 319.37 9.53 123.73 11 15 9 324.4 10.27 313.03
 110.00 17 11 31 5002.73 34.13 217.59 17.99 88.06 18 34 54 4402.7 33.49 208.41

DIFFERENTIAL CORRECTIONS

TDE .8137 TRA -.7805 TC3 1.0053 BAU .1952
 RDE .0083 RRA -.1144 RC3 .4879 FAU .06553
 FDE -2.3923 FRA 1.2383 FC3 -4.3412 BSP 6650
 BDE .8138 BRA .7888 BC3 1.1175 FSP -1379

MID-COURSE EXECUTION ACCURACY

SGT 2013.7 SGR 405.8 SG3 464.6
 RRT .6690 RRF -.7290 RTF -.9353
 SGB 2054.2 R23 -.1200 R13 -.9379
 SG1 2032.4 SG2 298.9 THA 7.85

ORBIT DETERMINATION ACCURACY

ST 1353.4 SR 62.4 SS 1797.8
 CRT .4958 CRS .3754 CST .9905
 LSA 2245.5 MSA 158.9 SSA 12.5
 EL1 1353.7 EL2 54.2 ALF 1.31

LAUNCH DATE MAY 24 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 332.689

RL 151.49 LAL -.00 LOL 242.16 VL 26.638 GAL 2.26 AZL 94.34 HCA 141.49 SMA 127.29 ECC .19397 INC 4.3379 V1 29.412
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.489 GAP -7.27 AZP 86.60 TAL 170.52 TAP 312.01 RCA 102.60 APO 151.98 V2 34.951
 RC 58.673 GL -34.22 GP 9.79 ZAL 78.24 ZAP 27.89 ETS 340.30 ZAE 146.36 ETE 30.77 ZAC 85.66 ETC 13.04 CLP -26.25

PLANETOCENTRIC CONIC

C3 12.817 VHL 3.580 DLA -26.02 RAL 153.44 RAD 6567.5 VEL 11.585 PTH 2.03 VHP 5.111 DPA 12.99 RAP 183.08 ECC 1.2109
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 50 35 1119.60 13.56 338.18 11.82 115.10 10 9 14 519.6 16.83 331.04
 90.00 13 10 15 5751.23 27.17 273.12 16.16 98.29 14 46 6 5151.2 28.04 264.56
 100.00 10 44 39 944.96 11.53 324.32 10.79 117.77 11 0 24 345.0 15.16 317.41
 100.00 14 58 51 5401.10 29.42 247.67 16.47 95.54 16 28 52 4801.1 29.88 238.89
 110.00 11 4 20 883.24 7.43 317.19 8.33 123.46 11 19 3 283.2 11.78 310.80
 110.00 16 55 40 5035.59 34.18 220.16 16.72 89.57 18 19 36 4435.6 33.74 210.94

DIFFERENTIAL CORRECTIONS

TDE .8232 TRA -.7402 TC3 1.0325 BAU .1995
 RDE .0509 RRA -.1178 RC3 .5380 FAU .07173
 FDE -2.6914 FRA 1.2768 FC3 -4.8452 BSP 6656
 BDE .8248 BRA .7495 BC3 1.1643 FSP -1545

MID-COURSE EXECUTION ACCURACY

SGT 2004.9 SGR 446.2 SG3 516.7
 RRT .7476 RRF -.8113 RTF -.9372
 SGB 2054.0 R23 -.1436 R13 -.9410
 SG1 2033.1 SG2 292.2 THA 9.65

ORBIT DETERMINATION ACCURACY

ST 1375.7 SR 103.6 SS 1926.3
 CRT .9295 CRS .8742 CST .9909
 LSA 2364.1 MSA 157.2 SSA 11.6
 EL1 1379.1 EL2 38.1 ALF 4.01

LAUNCH DATE MAY 24 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 339.300

RL 151.49 LAL -.00 LOL 242.16 VL 26.698 GAL 2.13 AZL 94.47 HCA 144.68 SMA 127.68 ECC .18996 INC 4.4669 V1 29.412
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.543 GAP -6.69 AZP 86.35 TAL 170.84 TAP 315.51 RCA 103.43 APO 151.94 V2 34.964
 RC 60.521 GL -35.71 GP 11.19 ZAL 79.12 ZAP 31.09 ETS 340.15 ZAE 146.18 ETE 32.42 ZAC 85.09 ETC 12.87 CLP -29.19

PLANETOCENTRIC CONIC

C3 12.674 VHL 3.560 DLA -27.07 RAL 152.04 RAD 6567.5 VEL 11.578 PTH 2.02 VHP 4.835 DPA 14.16 RAP 183.91 ECC 1.2086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 11 15 1029.28 16.10 332.77 11.21 113.61 10 28 25 429.3 19.16 325.43
 90.00 12 38 23 5836.72 26.19 279.18 14.59 101.17 14 15 39 5236.7 27.47 270.75
 100.00 10 57 33 879.72 13.57 320.56 9.98 116.89 11 12 13 279.7 17.07 313.51
 100.00 14 34 46 5461.51 28.94 252.09 15.11 97.82 16 5 48 4861.5 29.72 243.38
 110.00 11 10 8 840.24 9.04 314.90 7.31 123.11 11 24 8 240.2 13.34 308.44
 110.00 16 38 41 5073.77 34.16 223.14 15.60 91.34 18 3 15 4473.8 33.97 213.90

DIFFERENTIAL CORRECTIONS

TDE .8303 TRA -.6990 TC3 1.0371 BAU .2028
 RDE .1025 RRA -.1233 RC3 .5976 FAU .07845
 FDE -3.0373 FRA 1.3129 FC3 -5.3586 BSP 6638
 BDE .8366 BRA .7098 BC3 1.1970 FSP -1730

MID-COURSE EXECUTION ACCURACY

SGT 1981.8 SGR 507.9 SG3 573.7
 RRT .8110 RRF -.8774 RTF -.9384
 SGB 2045.8 R23 -.1702 R13 -.9441
 SG1 2025.0 SG2 290.8 THA 11.99

ORBIT DETERMINATION ACCURACY

ST 1389.2 SR *178.5 SS 2064.3
 CRT .9926 CRS .9701 CST .9913
 LSA 2489.7 MSA 155.8 SSA 10.7
 EL1 1400.4 EL2 21.5 ALF 7.27

LAUNCH DATE MAY 24 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 345.895

RL 151.49 LAL -.00 LOL 242.16 VL 26.752 GAL 2.02 AZL 94.62 HCA 147.87 SMA 128.04 ECC .18639 INC 4.6180 V1 29.412
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.594 GAP -6.12 AZP 86.09 TAL 171.13 TAP 319.00 RCA 104.17 APO 151.90 V2 34.977
 RC 62.420 GL -37.25 GP 12.90 ZAL 79.96 ZAP 34.56 ETS 339.89 ZAE 146.04 ETE 34.80 ZAC 84.65 ETC 12.71 CLP -32.34

PLANETOCENTRIC CONIC

C3 12.646 VHL 3.556 DLA -28.19 RAL 150.64 RAD 6567.5 VEL 11.577 PTH 2.02 VHP 4.582 DPA 15.69 RAP 184.70 ECC 1.2081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 55 37 865.14 20.28 322.54 11.42 110.19 11 10 3 265.1 22.85 314.81
 90.00 11 42 52 711.87 23.55 312.50 12.58 106.19 11 54 44 111.9 25.55 304.40
 100.00 11 16 2 799.12 16.00 315.80 9.52 115.59 11 29 21 199.1 19.32 308.58
 100.00 14 5 9 5541.17 28.07 257.85 13.78 100.73 15 37 30 4941.2 29.26 249.25
 110.00 11 17 40 793.97 10.75 312.41 6.51 122.65 11 30 54 194.0 14.98 305.86
 110.00 16 20 0 5119.08 34.03 226.67 14.64 93.43 17 45 19 4519.1 34.13 217.43

DIFFERENTIAL CORRECTIONS

TDE .8348 TRA -.6560 TC3 1.0231 BAU .2067
 RDE .1668 RRA -.1309 RC3 .6698 FAU .08578
 FDE -3.4365 FRA 1.3413 FC3 -5.8728 BSP 6636
 BDE .8513 BRA .6689 BC3 1.2228 FSP -1938

MID-COURSE EXECUTION ACCURACY

SGT 1943.4 SGR 597.0 SG3 635.6
 RRT .8577 RRF -.9255 RTF -.9392
 SGB 2033.0 R23 -.1957 R13 -.9477
 SG1 2011.3 SG2 296.6 THA 15.10

ORBIT DETERMINATION ACCURACY

ST 1392.5 SR 278.5 SS 2211.9
 CRT .9994 CRS .9913 CST .9916
 LSA 2624.0 MSA 154.4 SSA 9.7
 EL1 1420.1 EL2 9.7 ALF 11.30

LAUNCH DATE MAY 24 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 352.472

RL 151.49 LAL -0.00 LOL 242.16 VL 26.799 GAL 1.92 AZL 94.80 HCA 151.07 SMA 128.35 ECC .18322 INC 4.7987 V1 29.412
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.640 GAP -5.57 AZP 85.80 TAL 171.40 TAP 322.47 RCA 104.83 APO 151.87 V2 34.990
 RC 64.367 GL -38.87 GP 14.99 ZAL 80.74 ZAP 38.35 ETS 339.52 ZAE 145.85 ETE 38.03 ZAC 84.34 ETC 12.55 CLP -35.72

PLANETOCENTRIC CONIC

C3 12.748 VHL 3.570 DLA -29.40 RAL 149.25 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 4.355 DPA 17.66 RAP 185.46 ECC 1.2098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.76 10 5 55 1009.15 22.77 334.06 11.08 109.11 10 22 44 409.1 25.16 326.12
 98.24 12 21 26 5859.36 22.77 279.82 11.08 109.10 13 59 6 5259.4 25.17 271.89
 100.00 11 49 15 674.48 19.51 308.21 9.73 113.11 12 0 29 74.5 22.47 300.66
 100.00 13 20 48 5669.26 26.11 266.87 12.21 105.09 14 55 17 5069.3 27.93 258.54
 110.00 11 27 49 741.96 12.64 309.57 6.01 122.03 11 40 11 142.0 16.79 302.91
 110.00 15 58 43 5174.54 33.72 230.98 13.84 95.95 17 24 57 4574.5 34.18 221.76

DIFFERENTIAL CORRECTIONS

TDE .8315 TRA -.6151 TC3 .9720 BAU .2097
 RDE .2484 RRA -.1415 RC3 .7546 FAU .09307
 FDE-3.8847 FRA 1.3658 FC3-6.3207 BSP 6548
 BDE .8679 BRA .6312 BC3 1.2306 FSP -2146

MID-COURSE EXECUTION ACCURACY

SGT 1883.1 SGR 719.1 SG3 699.6
 RRT .8870 RRF -.9570 RTF -.9380
 SGB 2015.8 R23 -.2189 R13 -.9514
 SG1 1991.1 SG2 314.0 THA 19.21

ORBIT DETERMINATION ACCURACY

ST 1377.2 SR 406.5 SS 2363.6
 CRT .9981 CRS .9972 CST .9917
 LSA 2761.2 MSA 154.2 SSA 8.7
 EL1 1435.7 EL2 23.7 ALF 16.42

LAUNCH DATE MAY 24 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 359.031

RL 151.49 LAL -0.00 LOL 242.16 VL 26.841 GAL 1.83 AZL 95.02 HCA 154.27 SMA 128.63 ECC .18043 INC 5.0202 V1 29.412
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.682 GAP -5.03 AZP 85.48 TAL 171.64 TAP 325.91 RCA 105.42 APO 151.84 V2 35.003
 RC 66.356 GL -40.60 GP 17.60 ZAL 81.47 ZAP 42.51 ETS 339.07 ZAE 145.43 ETE 42.24 ZAC 84.14 ETC 12.42 CLP -39.34

PLANETOCENTRIC CONIC

C3 13.010 VHL 3.607 DLA -30.73 RAL 147.84 RAD 6567.5 VEL 11.593 PTH 2.03 VHP 4.160 DPA 20.19 RAP 186.27 ECC 1.2141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.54 9 28 20 1115.42 23.65 342.32 10.36 110.21 9 46 55 515.4 26.19 334.36
 102.46 12 47 46 5761.84 23.66 272.91 10.36 110.20 14 23 48 5161.8 26.20 264.96
 77.54 9 28 20 1115.42 23.65 342.32 10.36 110.21 9 46 55 515.4 26.19 334.36
 102.46 12 47 46 5761.84 23.66 272.91 10.36 110.20 14 23 48 5161.8 26.20 264.96
 110.00 11 42 15 679.52 14.87 306.10 5.89 121.14 11 53 34 79.5 18.89 299.29
 110.00 15 33 2 5245.75 33.09 236.44 13.16 99.12 17 0 28 4645.7 33.99 227.31

DIFFERENTIAL CORRECTIONS

TDE .8215 TRA -.5748 TC3 .8891 BAU .2144
 RDE .3550 RRA -.1553 RC3 .8534 FAU .10000
 FDE-4.3834 FRA 1.3764 FC3-6.6542 BSP 6472
 BDE .8949 BRA .5954 BC3 1.2324 FSP -2353

MID-COURSE EXECUTION ACCURACY

SGT 1800.7 SGR 882.7 SG3 763.0
 RRT .9030 RRF -.9763 RTF -.9348
 SGB 2005.4 R23 -.2315 R13 -.9565
 SG1 1975.4 SG2 345.7 THA 24.68

ORBIT DETERMINATION ACCURACY

ST 1343.4 SR 570.7 SS 2517.9
 CRT .9960 CRS .9990 CST .9915
 LSA 2906.2 MSA 154.6 SSA 7.7
 EL1 1458.8 EL2 -47.1 ALF 22.96

LAUNCH DATE MAY 24 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 365.571

RL 151.49 LAL -0.00 LOL 242.16 VL 26.877 GAL 1.76 AZL 95.30 HCA 157.47 SMA 128.88 ECC .17801 INC 5.3000 V1 29.412
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.720 GAP -4.51 AZP 85.10 TAL 171.84 TAP 329.31 RCA 105.93 APO 151.82 V2 35.016
 RC 68.382 GL -42.51 GP 20.89 ZAL 82.15 ZAP 47.09 ETS 338.57 ZAE 144.52 ETE 47.51 ZAC 84.02 ETC 12.32 CLP -43.22

PLANETOCENTRIC CONIC

C3 13.486 VHL 3.672 DLA -32.24 RAL 146.38 RAD 6567.5 VEL 11.613 PTH 2.03 VHP 4.003 DPA 23.42 RAP 187.20 ECC 1.2219
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.90 8 57 15 1202.57 24.57 349.29 9.90 111.56 9 47 17 602.6 27.27 341.33
 106.10 13 7 13 5690.23 24.58 267.88 9.91 111.55 14 42 4 5090.2 27.28 259.92
 73.90 8 57 15 1202.57 24.57 349.29 9.90 111.56 9 17 17 602.6 27.27 341.33
 106.10 13 7 13 5690.23 24.58 267.88 9.91 111.55 14 42 4 5090.2 27.28 259.92
 110.00 12 4 57 5883.06 17.79 279.19 6.42 119.68 13 43 0 5283.1 21.60 272.14
 110.00 14 58 41 5345.79 31.76 243.93 12.46 103.37 16 27 47 4745.8 33.27 235.03

DIFFERENTIAL CORRECTIONS

TDE .8062 TRA -.5327 TC3 .7800 BAU .2240
 RDE .4989 RRA -.1713 RC3 .9670 FAU .10606
 FDE-4.9302 FRA 1.3532 FC3-6.8090 BSP 6501
 BDE .9481 BRA .5596 BC3 1.2423 FSP -2555

MID-COURSE EXECUTION ACCURACY

SGT 1695.9 SGR 1100.1 SG3 821.5
 RRT .9094 RRF -.9874 RTF -.9298
 SGB 2021.4 R23 -.2250 R13 -.9645
 SG1 1983.2 SG2 391.3 THA 31.92

ORBIT DETERMINATION ACCURACY

ST 1292.0 SR 784.4 SS 2673.6
 CRT .9940 CRS .9997 CST .9911
 LSA 3067.4 MSA 154.8 SSA 6.7
 EL1 1509.7 EL2 73.6 ALF 31.19

LAUNCH DATE MAY 24 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 372.092

RL 151.49 LAL -0.00 LOL 242.16 VL 26.909 GAL 1.70 AZL 95.67 HCA 160.67 SMA 129.09 ECC .17593 INC 5.6673 V1 29.412
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.755 GAP -3.99 AZP 84.65 TAL 172.01 TAP 332.68 RCA 106.38 APO 151.80 V2 35.029
 RC 70.443 GL -44.68 GP 25.11 ZAL 82.78 ZAP 52.17 ETS 338.04 ZAE 142.73 ETE 53.76 ZAC 83.92 ETC 12.27 CLP -47.36

PLANETOCENTRIC CONIC

C3 14.272 VHL 3.778 DLA -34.00 RAL 144.82 RAD 6567.6 VEL 11.647 PTH 2.04 VHP 3.901 DPA 27.58 RAP 188.45 ECC 1.2349
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.34 8 28 24 1284.77 25.51 356.05 9.78 113.28 8 49 49 684.8 28.43 348.11
 109.66 13 23 36 5632.91 25.52 263.89 9.78 113.27 14 57 29 5032.9 28.44 255.95
 70.34 8 28 24 1284.77 25.51 356.05 9.78 113.28 8 49 49 684.8 28.43 348.11
 109.66 13 23 36 5632.91 25.52 263.89 9.78 113.27 14 57 29 5032.9 28.44 255.95
 110.00 12 58 52 5708.37 23.33 268.68 8.69 115.72 14 34 1 5108.4 26.59 261.04
 110.00 13 52 19 5545.35 27.73 258.06 10.79 110.83 15 24 44 4945.3 30.31 249.81

DIFFERENTIAL CORRECTIONS

TDE .7817 TRA -.4929 TC3 .6385 BAU .2405
 RDE .6981 RRA -.1899 RC3 1.0871 FAU .10959
 FDE-5.4879 FRA 1.2889 FC3-6.6478 BSP 6676
 BDE 1.0481 BRA .5282 BC3 1.2607 FSP -2707

MID-COURSE EXECUTION ACCURACY

SGT 1565.6 SGR 1384.3 SG3 864.3
 RRT .9065 RRF -.9935 RTF -.9205
 SGB 2089.9 R23 -.1965 R13 -.9750
 SG1 2041.2 SG2 448.3 THA 41.12

ORBIT DETERMINATION ACCURACY

ST 1216.1 SR 1064.2 SS 2815.5
 CRT .9920 CRS .9999 CST .9903
 LSA 3242.6 MSA 155.9 SSA 5.7
 EL1 1612.8 EL2 101.4 ALF 41.16

LAUNCH DATE MAY 24 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 378.593

RL 151.49 LAL -.00 LOL 242.16 VL 26.936 GAL 1.65 AZL 96.17 HCA 163.87 SMA 129.27 ECC .17416 INC 6.1743 V1 29.412
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.786 GAP -3.50 AZP 84.07 TAL 172.14 TAP 336.01 RCA 106.76 APO 151.79 V2 35.042
 RC 72.534 GL -47.22 GP 30.60 ZAL 83.40 ZAP 57.80 ETS 337.56 ZAE 139.52 ETE 60.68 ZAC 83.71 ETC 12.26 CLP -51.75

PLANETOCENTRIC CONIC

C3 15.569 VHL 3.946 DLA -36.12 RAL 143.06 RAD 6567.6 VEL 11.703 PTH 2.06 VHP 3.880 DPA 32.92 RAP 190.37 ECC 1.2562
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.58 7 59 46 1369.35 26.43 3.20 10.10 115.56 8 22 35 769.4 29.64 355.31
 113.42 13 38 12 5587.17 26.44 260.74 10.10 115.55 15 11 19 4987.2 29.65 252.85
 66.58 7 59 46 1369.35 26.43 3.20 10.10 115.56 8 22 35 769.4 29.64 355.31
 113.42 13 38 12 5587.17 26.44 260.74 10.10 115.55 15 11 19 4987.2 29.65 252.85
 66.58 7 59 46 1369.35 26.43 3.20 10.10 115.56 8 22 35 769.4 29.64 355.31
 113.42 13 38 12 5587.17 26.44 260.74 10.10 115.55 15 11 19 4987.2 29.65 252.85

DIFFERENTIAL CORRECTIONS

TDE .7504 TRA -.4551 TC3 .4737 BAU .2679
 RDE .9847 RRA -.2074 RC3 1.1967 FAU .10850
 FDE-5.9958 FRA 1.1536 FC3-6.0334 BSP 7133
 BDE 1.2380 BRA .5001 BC3 1.2871 FSP -2755

MID-COURSE EXECUTION ACCURACY

SGT 1412.9 SGR 1753.7 SG3 875.9
 RRT .8944 RRF -.9966 RTF -.9050
 SGB 2252.0 R23 -.1473 R13 -.9862
 SG1 2194.7 SG2 504.9 THA 51.84

ORBIT DETERMINATION ACCURACY

ST 1117.1 SR 1434.5 SS 2926.5
 CRT .9897 CRS 1.0000 CST .9887
 LSA 3441.7 MSA 157.3 SSA 4.8
 EL1 1813.7 EL2 126.6 ALF 52.16

LAUNCH DATE MAY 24 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 385.072

RL 151.49 LAL -.00 LOL 242.16 VL 26.959 GAL 1.62 AZL 96.93 HCA 167.08 SMA 129.43 ECC .17270 INC 6.9255 V1 29.412
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.815 GAP -3.01 AZP 83.25 TAL 172.21 TAP 339.29 RCA 107.07 APO 151.78 V2 35.056
 RC 74.652 GL -50.33 GP 37.88 ZAL 84.03 ZAP 64.05 ETS 337.24 ZAE 134.18 ETE 67.65 ZAC 83.21 ETC 12.24 CLP -56.33

PLANETOCENTRIC CONIC

C3 17.819 VHL 4.221 DLA -38.74 RAL 140.92 RAD 6567.7 VEL 11.798 PTH 2.09 VHP 4.000 DPA 39.79 RAP 193.67 ECC 1.2933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.38 7 29 41 1463.37 27.20 11.30 11.06 118.72 7 54 4 863.4 30.81 3.55
 117.62 13 51 13 5555.07 27.22 258.57 11.06 118.70 15 23 48 4955.1 30.82 250.82
 62.38 7 29 41 1463.37 27.20 11.30 11.06 118.72 7 54 4 863.4 30.81 3.55
 117.62 13 51 13 5555.07 27.22 258.57 11.06 118.70 15 23 48 4955.1 30.82 250.82
 62.38 7 29 41 1463.37 27.20 11.30 11.06 118.72 7 54 4 863.4 30.81 3.55
 117.62 13 51 13 5555.07 27.22 258.57 11.06 118.70 15 23 48 4955.1 30.82 250.82

DIFFERENTIAL CORRECTIONS

TDE .7204 TRA -.4201 TC3 .3061 BAU .3097
 RDE 1.4180 RRA -.2132 RC3 1.2633 FAU .10021
 FDE-6.3306 FRA .9072 FC3-4.8688 BSP 8150
 BDE 1.5905 BRA .4711 BC3 1.2999 FSP -2654

MID-COURSE EXECUTION ACCURACY

SGT 1247.9 SGR 2231.5 SG3 834.2
 RRT .8721 RRF -.9983 RTF -.8812
 SGB 2556.7 R23 -.0908 R13 -.9944
 SG1 2497.8 SG2 545.4 THA 62.58

ORBIT DETERMINATION ACCURACY

ST 1002.1 SR 1928.1 SS 2974.5
 CRT .9867 CRS 1.0000 CST .9863
 LSA 3680.3 MSA 158.5 SSA 3.9
 EL1 2168.1 EL2 144.7 ALF 62.72

LAUNCH DATE MAY 24 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 391.529

RL 151.49 LAL -.00 LOL 242.16 VL 26.977 GAL 1.60 AZL 98.16 HCA 170.28 SMA 129.55 ECC .17152 INC 8.1619 V1 29.412
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.840 GAP -2.54 AZP 81.95 TAL 172.24 TAP 342.52 RCA 107.33 APO 151.77 V2 35.069
 RC 76.795 GL -54.31 GP 47.66 ZAL 84.76 ZAP 70.91 ETS 337.20 ZAE 125.88 ETE 73.86 ZAC 82.08 ETC 11.97 CLP -60.95

PLANETOCENTRIC CONIC

C3 22.222 VHL 4.714 DLA -42.08 RAL 138.07 RAD 6567.9 VEL 11.983 PTH 2.14 VHP 4.406 DPA 48.47 RAP 200.13 ECC 1.3657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.47 6 56 10 1578.03 27.40 21.20 13.03 123.28 7 22 28 978.0 31.57 13.77
 122.53 14 2 2 5545.38 27.41 257.88 13.04 123.28 15 34 27 4945.4 31.58 250.44
 57.47 6 56 10 1578.03 27.40 21.20 13.03 123.28 7 22 28 978.0 31.57 13.77
 122.53 14 2 2 5545.38 27.41 257.88 13.04 123.28 15 34 27 4945.4 31.58 250.44
 57.47 6 56 10 1578.03 27.40 21.20 13.03 123.28 7 22 28 978.0 31.57 13.77
 122.53 14 2 2 5545.38 27.41 257.88 13.04 123.28 15 34 27 4945.4 31.58 250.44

DIFFERENTIAL CORRECTIONS

TDE .7080 TRA -.3994 TC3 .1472 BAU .3581
 RDE 2.1080 RRA -.1879 RC3 1.1964 FAU .07989
 FDE-6.2228 FRA .5560 FC3-3.1125 BSP 9672
 BDE 2.2238 BRA .4414 BC3 1.2054 FSP -2253

MID-COURSE EXECUTION ACCURACY

SGT 1089.8 SGR 2816.4 SG3 705.3
 RRT .8350 RRF -.9990 RTF -.8443
 SGB 3019.9 R23 -.0461 R13 -.9981
 SG1 2965.7 SG2 569.5 THA 71.38

ORBIT DETERMINATION ACCURACY

ST 882.7 SR 2564.1 SS 2881.4
 CRT .9823 CRS 1.0000 CST .9823
 LSA 3953.5 MSA 161.2 SSA 3.0
 EL1 2707.2 EL2 156.5 ALF 71.25

LAUNCH DATE MAY 24 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 397.962

RL 151.49 LAL -.00 LOL 242.16 VL 26.992 GAL 1.59 AZL 100.60 HCA 173.47 SMA 129.65 ECC .17061 INC10.5979 V1 29.412
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.863 GAP -2.07 AZP 79.47 TAL 172.21 TAP 345.68 RCA 107.53 APO 151.77 V2 35.082
 RC 78.958 GL -59.52 GP 60.88 ZAL 85.72 ZAP 78.13 ETS 337.25 ZAE 113.61 ETE 78.16 ZAC 79.86 ETC 10.47 CLP -65.00

PLANETOCENTRIC CONIC

C3 33.154 VHL 5.758 DLA -46.36 RAL 133.89 RAD 6568.3 VEL 12.431 PTH 2.25 VHP 5.545 DPA 58.52 RAP 214.74 ECC 1.5456
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.62 6 16 41 1737.57 25.57 34.14 16.74 130.09 6 45 38 1137.6 30.54 27.46
 128.38 14 8 11 5584.37 25.58 259.88 16.75 130.09 15 41 15 4984.4 30.56 253.20
 51.62 6 16 41 1737.57 25.57 34.14 16.74 130.09 6 45 38 1137.6 30.54 27.46
 128.38 14 8 11 5584.37 25.58 259.88 16.75 130.09 15 41 15 4984.4 30.56 253.20
 51.62 6 16 41 1737.57 25.57 34.14 16.74 130.09 6 45 38 1137.6 30.54 27.46
 128.38 14 8 11 5584.37 25.58 259.88 16.75 130.09 15 41 15 4984.4 30.56 253.20

DIFFERENTIAL CORRECTIONS

TDE .7989 TRA -.4369 TC3 .0088 BAU .3623
 RDE 3.2898 RRA -.1100 RC3 .8173 FAU .04347
 FDE-5.2715 FRA .2158 FC3-1.1350 BSP 10493
 BDE 3.3854 BRA .4505 BC3 .8174 FSP -1371

MID-COURSE EXECUTION ACCURACY

SGT 1014.3 SGR 3409.9 SG3 467.8
 RRT .7840 RRF -.9993 RTF -.7973
 SGB 3557.6 R23 -.0198 R13 -.9994
 SG1 3504.4 SG2 612.6 THA 76.45

ORBIT DETERMINATION ACCURACY

ST 817.1 SR 3274.0 SS 2513.3
 CRT .9761 CRS 1.0000 CST .9768
 LSA 4204.0 MSA 173.5 SSA 2.1
 EL1 3370.1 EL2 172.5 ALF 76.27

LAUNCH DATE MAY 24 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 404.331

RL 151.49 LAL -.00 LOL 242.16 VL 27.003 GAL 1.61 AZL 107.64 HCA 176.64 SMA 129.73 ECC .16997 INC17.6352 V1 29.412
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.882 GAP -1.63 AZP 72.39 TAL 172.09 TAP 348.73 RCA 107.68 APO 151.78 V2 35.094
 RC 81.139 GL -65.59 GP 79.14 ZAL 87.21 ZAP 84.89 ETS 327.43 ZAE 95.74 ETE 70.00 ZAC 75.71 ETC 356.23 CLP -61.81

PLANETOCENTRIC CONIC

C3 80.653 VHL 8.981 DLA -50.92 RAL 127.72 RAD 6569.6 VEL 14.213 PTH 2.59 VHP 9.569 DPA 65.20 RAP 251.75 ECC 2.3273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.73 5 32 14 2004.21 16.71 51.03 23.60 138.84 6 5 38 1404.2 22.65 45.75
 134.27 14 3 21 5754.52 16.72 267.24 23.61 138.84 15 39 16 5154.5 22.66 261.96
 45.73 5 32 14 2004.21 16.71 51.03 23.60 138.84 6 5 38 1404.2 22.65 45.75
 134.27 14 3 21 5754.52 16.72 267.24 23.61 138.84 15 39 16 5154.5 22.66 261.96
 45.73 5 32 14 2004.21 16.71 51.03 23.60 138.84 6 5 38 1404.2 22.65 45.75
 134.27 14 3 21 5754.52 16.72 267.24 23.61 138.84 15 39 16 5154.5 22.66 261.96

DIFFERENTIAL CORRECTIONS

TDE 2.9246 TRA -4.938 TC3 .0213 BAU .2006
 RDE 5.6634 RRA .4173 RC3 .1849 FAU .00759
 FDE -3.6515 FRA -1.200 FC3 -.0815 BSP 12497
 BDE 6.3740 BRA -6.465 BC3 .1861 FSP -596

MID-COURSE EXECUTION ACCURACY

SGT 1932.0 SGR 3652.9 SG3 202.0
 RRT .9272 RRF -.9975 RTF -.9504
 SGB 4132.4 R23 -.0121 R13 -.9998
 SG1 4081.3 SG2 647.9 THA 63.15

ORBIT DETERMINATION ACCURACY

ST 1871.9 SR 3615.4 SS 1926.2
 CRT .9934 CRS .9998 CST .9954
 LSA 4499.9 MSA 191.6 SSA 1.0
 EL1 4066.8 EL2 191.4 ALF 62.72

LAUNCH DATE MAY 24 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 411.850

RL 151.49 LAL -.00 LOL 242.16 VL 27.011 GAL 1.42 AZL .76 HCA 180.83 SMA 129.78 ECC .16899 INC89.2585 V1 29.412
 RP 107.94 LAP -.83 LOP 62.17 VP 37.900 GAP -.90 AZP 179.24 TAL 172.96 TAP 353.80 RCA 107.85 APO 151.72 V2 35.107
 RC 83.336 GL 42.89 GP -45.82 ZAL 89.49 ZAP 89.60 ETS 178.26 ZAE 51.41 ETE 73.27 ZAC 84.45 ETC 151.66 CLP 89.42

PLANETOCENTRIC CONIC

C31573.667 VHL 39.669 DLA 49.24 RAL 176.84 RAD 6573.2 VEL 41.170 PTH 3.57 VHP 52.791 DPA -55.21 RAP .57 ECC26.8986
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.87 20 53 15 4974.17 1.18 232.02 87.88 40.77 22 16 9 4374.2 -4.88 227.20
 132.13 5 14 17 3469.55 1.20 113.67 87.86 40.77 6 12 7 2869.6 -4.86 108.85
 47.87 20 53 15 4974.17 1.18 232.02 87.88 40.77 22 16 9 4374.2 -4.88 227.20
 132.13 5 14 17 3469.55 1.20 113.67 87.86 40.77 6 12 7 2869.6 -4.86 108.85
 47.87 20 53 15 4974.17 1.18 232.02 87.88 40.77 22 16 9 4374.2 -4.88 227.20
 132.13 5 14 17 3469.55 1.20 113.67 87.86 40.77 6 12 7 2869.6 -4.86 108.85

DIFFERENTIAL CORRECTIONS

TDE -6.1533 TRA -2.7766 TC3 -.1230 BAU 5.4028
 RDE -6.2768 RRA -9.8917 RC3 -.2254 FAU -10092
 FDE 1.5660 FRA 2.4415 FC3 .0555 BSP 10509
 BDE 8.7899 BRA10.2740 BC3 .2568 FSP -210

MID-COURSE EXECUTION ACCURACY

SGT 1455.9 SGR 2968.0 SG3 63.3
 RRT .9015 RRF -1.0000 RTF -.9024
 SGB 3305.9 R23 -.0786 R13 -.9969
 SG1 3255.6 SG2 574.5 THA 65.33

ORBIT DETERMINATION ACCURACY

ST 908.1 SR 1120.6 SS 1270.5
 CR .9122 CRS 1.0000 CST .9143
 LSA 1893.4 MSA 330.9 SSA .3
 EL1 1411.8 EL2 295.4 ALF 51.54

LAUNCH DATE MAY 24 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 417.373

RL 151.49 LAL -.00 LOL 242.16 VL 27.016 GAL 1.61 AZL 78.63 HCA 183.29 SMA 129.82 ECC .16920 INC11.3650 V1 29.412
 RP 107.91 LAP -.65 LOP 65.39 VP 37.915 GAP -.68 AZP 101.35 TAL 172.03 TAP 355.32 RCA 107.85 APO 151.78 V2 35.119
 RC 85.546 GL 60.86 GP -80.70 ZAL 85.86 ZAP 88.64 ETS 9.04 ZAE 103.51 ETE 269.20 ZAC 105.90 ETC 351.59 CLP -81.55

PLANETOCENTRIC CONIC

C3 37.126 VHL 6.093 DLA 59.93 RAL 203.49 RAD 6568.4 VEL 12.589 PTH 2.28 VHP 9.735 DPA -60.66 RAP 115.59 ECC 1.6110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.69 22 1 39 4523.23 -29.50 223.27 94.39 35.14 23 17 2 3923.2 -35.92 218.01
 145.31 7 38 29 2855.86 -29.49 86.59 94.37 35.14 8 26 5 2255.9 -35.91 81.34
 34.69 22 1 39 4523.23 -29.50 223.27 94.39 35.14 23 17 2 3923.2 -35.92 218.01
 145.31 7 38 29 2855.86 -29.49 86.59 94.37 35.14 8 26 5 2255.9 -35.91 81.34
 34.69 22 1 39 4523.23 -29.50 223.27 94.39 35.14 23 17 2 3923.2 -35.92 218.01
 145.31 7 38 29 2855.86 -29.49 86.59 94.37 35.14 8 26 5 2255.9 -35.91 81.34

DIFFERENTIAL CORRECTIONS

TDE .7004 TRA .3854 TC3 -.1863 BAU .4229
 RDE .5585 RRA 2.2390 RC3 -.8314 FAU .01921
 FDE .2480 FRA 1.1495 FC3 -.4480 BSP 13367
 BDE .8958 BRA 2.2720 BC3 .8520 FSP -600

MID-COURSE EXECUTION ACCURACY

SGT 1004.2 SGR 4354.5 SG3 193.3
 RRT .8268 RRF .9998 RTF .8179
 SGB 4468.8 R23 .0396 R13 .9991
 SG1 4434.2 SG2 554.8 THA 79.03

ORBIT DETERMINATION ACCURACY

ST 693.5 SR 1366.0 SS 578.8
 CRT .6541 CRS -.9988 CST -.6164
 LSA 1558.5 MSA 503.1 SSA .7
 EL1 1450.1 EL2 494.1 ALF 69.09

LAUNCH DATE MAY 24 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 423.685

RL 151.49 LAL -.00 LOL 242.16 VL 27.018 GAL 1.67 AZL 85.91 HCA 186.46 SMA 129.83 ECC .16923 INC 4.0915 V1 29.412
 RP 107.87 LAP -.46 LOP 68.60 VP 37.927 GAP -.26 AZP 94.07 TAL 171.75 TAP 358.22 RCA 107.86 APO 151.80 V2 35.131
 RC 87.767 GL 37.45 GP -63.19 ZAL 81.55 ZAP 90.42 ETS .20 ZAE 120.37 ETE 260.19 ZAC 110.64 ETC 351.64 CLP -90.92

PLANETOCENTRIC CONIC

C3 10.040 VHL 3.169 DLA 40.63 RAL 182.03 RAD 6567.4 VEL 11.464 PTH 1.99 VHP 5.494 DPA -46.06 RAP 132.39 ECC 1.1652
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.55 21 58 43 4019.83 -32.42 176.00 44.29 64.04 23 5 43 3419.8 -35.62 167.56
 120.45 4 50 11 2749.81 -32.41 79.14 44.28 64.03 5 36 1 2149.8 -35.61 70.70
 59.55 21 58 43 4019.83 -32.42 176.00 44.29 64.04 23 5 43 3419.8 -35.62 167.56
 120.45 4 50 11 2749.81 -32.41 79.14 44.28 64.03 5 36 1 2149.8 -35.61 70.70
 59.55 21 58 43 4019.83 -32.42 176.00 44.29 64.04 23 5 43 3419.8 -35.62 167.56
 120.45 4 50 11 2749.81 -32.41 79.14 44.28 64.03 5 36 1 2149.8 -35.61 70.70

DIFFERENTIAL CORRECTIONS

TDE .3737 TRA .3228 TC3-1.5122 BAU .5334
 RDE .3839 RRA 1.2849 RC3-3.6748 FAU .06217
 FDE .4983 FRA 1.8131 FC3-5.3609 BSP 12857
 BDE .5358 BRA 1.3249 BC3 3.9738 FSP -1538

MID-COURSE EXECUTION ACCURACY

SGT 1402.3 SGR 3908.7 SG3 481.2
 RRT .9223 RRF .9997 RTF .9202
 SGB 4152.6 R23 .0466 R13 .9987
 SG1 4120.7 SG2 514.1 THA 71.39

ORBIT DETERMINATION ACCURACY

ST 714.7 SR 1153.4 SS 750.8
 CRT .8286 CRS -.9992 CST -.8058
 LSA 1505.2 MSA 372.9 SSA 2.0
 EL1 1310.4 EL2 352.1 ALF 60.48

LAUNCH DATE MAY 24 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 430.018

RL 151.49 LAL -.00 LOL 242.16 VL 27.018 GAL 1.73 AZL 88.39 HCA 189.67 SMA 129.83 ECC .16944 INC 1.6092 V1 29.412
 RP 107.83 LAP -.27 LOP 71.82 VP 37.938 GAP .16 AZP 91.59 TAL 171.47 TAP 1.13 RCA 107.83 APO 151.83 V2 35.143
 RC 89.996 GL 17.10 GP -50.90 ZAL 78.95 ZAP 94.24 ETS 355.75 ZAE 131.43 ETE 252.58 ZAC 113.76 ETC 354.32 CLP -96.73

PLANETOCENTRIC CONIC

C3 6.652 VHL 2.579 DLA 22.10 RAL 172.01 RAD 6567.2 VEL 11.316 PTH 1.95 VHP 4.235 DPA -34.56 RAP 138.37 ECC 1.1095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 30 19 2757.24 -28.01 78.71 23.86 94.36 4 16 16 2157.2 -27.11 70.16
 90.00 21 58 37 3859.11 -10.74 152.73 20.32 63.64 23 2 56 3259.1 -14.19 145.76
 100.00 5 7 28 2443.97 -29.22 55.53 23.73 96.60 5 48 12 1844.0 -28.00 46.94
 100.00 23 4 9 3647.62 -9.65 136.62 19.75 61.57 24 4 56 3047.6 -13.38 129.81
 110.00 6 48 32 2127.80 -32.18 30.95 23.16 102.21 7 23 59 1527.8 -30.16 22.31
 110.00 23 39 34 3536.55 -7.08 126.64 18.19 56.47 24 38 31 2936.5 -11.44 120.26

DIFFERENTIAL CORRECTIONS

TDE .1325 TRA .3232 TC3-3.0052 BAU .5128
 RDE .0018 RRA .9325 RC3-4.9203 FAU .10103
 FDE -.0953 FRA 2.4178 FC-13.1475 BSP 11770
 BDE .1325 BRA .9870 BC3 5.7655 FSP -2466

MID-COURSE EXECUTION ACCURACY

SGT 1758.0 SGR 3382.5 SG3 771.1
 RRT .9533 RRF .9996 RTF .9525
 SGB 3812.1 R23 .0645 R13 .9975
 SG1 3782.4 SG2 474.8 THA 63.19

ORBIT DETERMINATION ACCURACY

ST 378.0 SR 675.1 SS 645.3
 CRT .6296 CRS -.9921 CST -.5273
 LSA 960.6 MSA 303.9 SSA 5.2
 EL1 723.6 EL2 274.0 ALF 67.12

LAUNCH DATE MAY 24 1967

FLIGHT TIME 160.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 436.341

RL 151.49 LAL -.00 LOL 242.16 VL 27.015 GAL 1.80 AZL 89.64 HCA 192.89 SMA 129.81 ECC .16985 INC .3569 V1 29.412
 RP 107.80 LAP -.08 LOP 75.05 VP 37.946 GAP .58 AZP 90.35 TAL 171.13 TAP 4.02 RCA 107.76 APO 151.86 V2 35.154
 RC 92.232 GL 3.89 GP -41.77 ZAL 77.67 ZAP 99.04 ETS 352.85 ZAE 138.54 ETE 243.65 ZAC 116.13 ETC 356.93 CLP -102.16

PLANETOCENTRIC CONIC

C3 6.111 VHL 2.472 DLA 9.68 RAL 167.26 RAD 6567.2 VEL 11.292 PTH 1.94 VHP 3.716 DPA -25.59 RAP 141.00 ECC 1.1006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 12 51 2276.83 -21.03 45.46 14.31 109.41 5 50 48 1676.8 -18.19 37.94
 90.00 19 38 12 4310.64 3.60 178.16 12.43 61.89 20 50 2 3710.6 -.18 171.52
 100.00 6 38 57 1999.11 -21.78 24.74 14.02 111.00 7 12 17 1399.1 -18.73 17.27
 100.00 20 54 46 4063.59 4.30 159.61 12.05 60.39 22 2 30 3463.6 .33 153.08
 110.00 7 58 2 1751.64 -23.76 5.03 13.10 115.33 8 27 14 1151.6 -20.15 357.75
 110.00 21 52 11 3883.83 6.13 144.83 10.91 56.31 22 56 54 3283.8 1.66 138.60

DIFFERENTIAL CORRECTIONS

TDE -.0673 TRA .3579 TC3-3.9710 BAU .4945
 RDE -.1985 RRA .7296 RC3-4.5682 FAU .12855
 FDE -.9606 FRA 2.8200 FC-18.2115 BSP 11022
 BDE .2096 BRA .8127 BC3 6.0529 FSP -3165

MID-COURSE EXECUTION ACCURACY

SGT 2141.7 SGR 2873.3 SG3 985.1
 RRT .9668 RRF .9993 RTF .9667
 SGB 3583.7 R23 .0891 R13 .9953
 SG1 3556.3 SG2 442.0 THA 53.57

ORBIT DETERMINATION ACCURACY

ST 302.6 SR 693.7 SS 962.5
 CRT .9801 CRS -.9937 CST -.9541
 LSA 1220.3 MSA 98.7 SSA 16.6
 EL1 754.8 EL2 55.2 ALF 66.72

LAUNCH DATE MAY 24 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 442.650

RL 151.49 LAL -.00 LOL 242.16 VL 27.009 GAL 1.89 AZL 90.40 HCA 196.11 SMA 129.77 ECC .17044 INC .4020 V1 29.412
 RP 107.77 LAP .11 LOP 78.27 VP 37.952 GAP 1.00 AZP 89.61 TAL 170.76 TAP 6.87 RCA 107.65 APO 151.89 V2 35.165
 RC 94.474 GL -4.37 GP -34.83 ZAL 76.83 ZAP 104.14 ETS 350.96 ZAE 142.62 ETE 233.91 ZAC 118.00 ETC 359.28 CLP -107.31

PLANETOCENTRIC CONIC

C3 6.194 VHL 2.489 DLA 1.73 RAL 164.83 RAD 6567.2 VEL 11.295 PTH 1.94 VHP 3.483 DPA -18.58 RAP 142.22 ECC 1.1019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 0 2027.71 -14.64 29.98 10.61 114.51 6 37 47 1427.7 -11.21 22.98
 90.00 18 27 43 4564.31 11.51 192.60 10.26 63.95 19 43 47 3964.3 7.92 185.76
 100.00 7 26 8 1762.74 -15.32 10.17 10.28 115.98 7 55 31 1162.7 -11.70 3.24
 100.00 19 48 15 4304.52 12.19 173.15 9.92 62.49 21 0 0 3704.5 8.41 166.40
 110.00 8 36 14 1543.34 -17.13 352.51 9.28 120.04 9 1 57 943.3 -13.01 345.82
 110.00 20 54 39 4096.68 13.97 156.33 8.88 58.48 22 2 56 3496.7 9.70 149.84

DIFFERENTIAL CORRECTIONS

TDE -.2449 TRA .4103 TC3-4.5557 BAU .4910
 RDE -.2772 RRA .5970 RC3-3.7941 FAU .14383
 FDE -1.7416 FRA 3.0587 FC-20.1015 BSP 10648
 BDE .3699 BRA .7244 BC3 5.9287 FSP -3567

MID-COURSE EXECUTION ACCURACY

SGT 2520.6 SGR 2421.8 SG3 1112.6
 RRT .9734 RRF .9986 RTF .9738
 SGB 3495.5 R23 .1123 R13 .9923
 SG1 3472.2 SG2 402.6 THA 43.82

ORBIT DETERMINATION ACCURACY

ST 634.7 SR 762.0 SS 1367.0
 CRT .9937 CRS -.9960 CST -.9990
 LSA 1687.5 MSA 63.5 SSA 23.5
 EL1 990.2 EL2 54.8 ALF 50.24

LAUNCH DATE MAY 24 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 448.942

RL 151.49 LAL -.00 LOL 242.16 VL 27.002 GAL 1.98 AZL 90.91 HCA 199.34 SMA 129.72 ECC .17122 INC .9140 V1 29.412
 RP 107.73 LAP .30 LOP 81.50 VP 37.956 GAP 1.41 AZP 89.14 TAL 170.33 TAP 9.67 RCA 107.51 APO 151.93 V2 35.175
 RC 96.719 GL -9.76 GP -29.46 ZAL 76.06 ZAP 109.20 ETS 349.77 ZAE 144.43 ETE 224.39 ZAC 119.47 ETC 1.40 CLP -112.19

PLANETOCENTRIC CONIC

C3 6.454 VHL 2.540 DLA -3.59 RAL 163.62 RAD 6567.2 VEL 11.307 PTH 1.94 VHP 3.390 DPA -13.05 RAP 142.77 ECC 1.1062
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 41 1869.43 -9.98 20.70 9.36 116.64 7 9 50 1269.4 -6.32 13.93
 90.00 17 43 19 4736.51 16.43 202.85 10.11 66.61 19 2 15 4136.5 13.13 195.73
 100.00 7 58 20 1612.47 -10.66 1.44 9.00 118.09 8 25 13 1012.5 -6.82 354.76
 100.00 19 6 20 4468.72 17.13 182.83 9.78 65.12 20 20 49 3868.7 13.64 175.78
 110.00 9 2 44 1410.88 -12.47 345.07 7.93 122.09 9 26 15 810.9 -8.15 338.65
 110.00 20 18 26 4243.06 19.00 164.70 8.78 61.04 21 29 9 3643.1 14.99 157.87

DIFFERENTIAL CORRECTIONS

TDE -.4132 TRA .4687 TC3-4.9627 BAU .5045
 RDE -.2987 RRA .4997 RC3-3.0912 FAU .15093
 FDE -2.3674 FRA 3.1537 FC-20.2462 BSP 10805
 BDE .5099 BRA .6851 BC3 5.8467 FSP -3797

MID-COURSE EXECUTION ACCURACY

SGT 2889.3 SGR 2048.4 SG3 1175.5
 RRT .9773 RRF .9975 RTF .9784
 SGB 3541.7 R23 .1254 R13 .9898
 SG1 3523.8 SG2 355.8 THA 35.13

ORBIT DETERMINATION ACCURACY

ST 987.5 SR 755.5 SS 1687.0
 CRT .9905 CRS -.9964 CST -.9984
 LSA 2094.0 MSA 82.7 SSA 17.7
 EL1 1240.6 EL2 82.6 ALF 37.35

LAUNCH DATE MAY 24 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 455.216

RL 151.49 LAL -.00 LOL 242.16 VL 26.992 GAL 2.09 AZL 91.28 HCA 202.57 SMA 129.65 ECC .17217 INC 1.2840 V1 29.412
 RP 107.70 LAP .49 LOP 84.72 VP 37.959 GAP 1.82 AZP 88.81 TAL 169.86 TAP 12.43 RCA 107.33 APO 151.98 V2 35.185
 RC 98.967 GL -13.44 GP -25.21 ZAL 75.24 ZAP 114.04 ETS 349.03 ZAE 144.68 ETE 215.97 ZAC 120.57 ETC 3.30 CLP-116.76

PLANETOCENTRIC CONIC

C3 6.770 VHL 2.602 DLA -7.38 RAL 163.12 RAD 6567.2 VEL 11.321 PTH 1.95 VHP 3.376 DPA -8.65 RAP 143.05 ECC 1.1114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 27 1758.57 -6.53 14.38 9.29 117.61 7 34 45 1158.6 -2.78 7.70
 90.00 17 12 35 4863.87 19.70 210.77 10.85 69.24 18 33 39 4263.9 16.70 203.38
 100.00 8 23 15 1507.57 -7.24 355.53 8.90 119.08 8 48 23 907.6 -3.31 348.95
 100.00 18 37 28 4590.11 20.45 190.32 10.54 67.71 19 53 58 3990.1 17.24 182.99
 110.00 9 23 25 1319.20 -9.11 340.10 7.76 123.09 9 45 24 719.2 -4.69 333.80
 110.00 19 53 47 4351.24 22.43 171.21 9.57 63.51 21 6 19 3751.2 18.69 164.08

DIFFERENTIAL CORRECTIONS

TDE -.5707 TRA .5356 TC3-5.2468 BAU .5262
 RDE -.2866 RRA .4303 RC3-2.5044 FAU .15086
 FDE -2.7902 FRA 3.1846 FC-19.2912 BSP 11178
 BDE .6386 BRA .6870 BC3 5.8138 FSP -3830

MID-COURSE EXECUTION ACCURACY

SGT 3232.4 SGR 1734.8 SG3 1186.3
 RRT .9786 RRF .9957 RTF .9810
 SGB 3668.6 R23 .1281 R13 .9879
 SG1 3654.9 SG2 315.8 THA 27.94

ORBIT DETERMINATION ACCURACY

ST 1309.0 SR 694.2 SS 1898.2
 CRT .9888 CRS -.9955 CST -.9983
 LSA 2406.1 MSA 95.8 SSA 15.8
 EL1 1478.8 EL2 91.6 ALF 27.79

LAUNCH DATE MAY 24 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 461.470

RL 151.49 LAL -.00 LOL 242.16 VL 26.981 GAL 2.21 AZL 91.57 HCA 205.80 SMA 129.58 ECC .17330 INC 1.5657 V1 29.412
 RP 107.67 LAP .68 LOP 87.95 VP 37.959 GAP 2.22 AZP 88.59 TAL 169.34 TAP 15.15 RCA 107.12 APO 152.03 V2 35.195
 RC 101.218 GL -16.04 GP -21.81 ZAL 74.34 ZAP 118.60 ETS 348.59 ZAE 143.96 ETE 209.03 ZAC 121.34 ETC 4.99 CLP-121.04

PLANETOCENTRIC CONIC

C3 7.109 VHL 2.666 DLA -10.20 RAL 163.10 RAD 6567.2 VEL 11.336 PTH 1.95 VHP 3.413 DPA -5.12 RAP 143.24 ECC 1.1170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 45 1675.74 -3.90 9.72 9.87 118.07 7 55 40 1075.7 -1.11 3.08
 90.00 16 50 7 4963.83 21.98 217.21 12.08 71.68 18 12 51 4363.8 19.27 209.58
 100.00 8 44 2 1429.62 -4.64 351.21 9.46 119.56 9 7 51 829.6 -6.7 344.67
 100.00 18 16 31 4685.18 22.78 196.42 11.78 70.10 19 34 36 4085.2 19.86 188.84
 110.00 9 40 48 1251.87 -6.59 336.52 8.25 123.62 10 1 40 651.9 -2.12 330.28
 110.00 19 36 15 4435.69 24.90 176.53 10.84 65.78 20 50 11 3835.7 21.42 169.12

DIFFERENTIAL CORRECTIONS

TDE -.7223 TRA .6060 TC3-5.4587 BAU .5541
 RDE -.2617 RRA .3772 RC3-2.0487 FAU .14688
 FDE -3.0688 FRA 3.1567 FC-17.8878 BSP 11776
 BDE .7683 BRA .7138 BC3 5.8305 FSP -3777

MID-COURSE EXECUTION ACCURACY

SGT 3554.3 SGR 1479.1 SG3 1165.5
 RRT .9782 RRF .9925 RTF .9828
 SGB 3849.8 R23 .1204 R13 .9869
 SG1 3839.3 SG2 284.7 THA 22.28

ORBIT DETERMINATION ACCURACY

ST 1604.6 SR 615.1 SS 2039.9
 CRT .9867 CRS -.9939 CST -.9985
 LSA 2665.2 MSA 103.2 SSA 15.3
 EL1 1715.9 EL2 93.5 ALF 20.78

LAUNCH DATE MAY 24 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 467.706

RL 151.49 LAL -.00 LOL 242.16 VL 26.968 GAL 2.35 AZL 91.79 HCA 209.04 SMA 129.49 ECC .17461 INC 1.7886 V1 29.412
 RP 107.65 LAP .87 LOP 91.19 VP 37.958 GAP 2.62 AZP 88.44 TAL 168.78 TAP 17.82 RCA 106.88 APO 152.10 V2 35.204
 RC 103.470 GL -17.93 GP -19.04 ZAL 73.34 ZAP 122.84 ETS 348.35 ZAE 142.70 ETE 203.56 ZAC 121.81 ETC 6.49 CLP-125.01

PLANETOCENTRIC CONIC

C3 7.460 VHL 2.731 DLA -12.40 RAL 163.42 RAD 6567.2 VEL 11.351 PTH 1.96 VHP 3.485 DPA -2.28 RAP 143.46 ECC 1.1228
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 17 1610.93 -1.81 6.09 10.87 118.26 8 14 8 1010.9 1.98 359.46
 90.00 16 33 9 5045.88 23.63 222.66 13.62 73.92 17 57 15 4445.9 21.20 214.83
 100.00 9 2 16 1369.02 -2.60 347.87 10.44 119.79 9 25 5 769.0 1.39 341.35
 100.00 18 0 51 4763.02 24.49 201.57 13.33 72.30 19 20 14 4163.0 21.84 193.77
 110.00 9 56 9 1200.25 -4.64 333.80 9.17 123.91 10 16 9 600.3 -1.15 327.58
 110.00 19 23 27 4504.54 26.74 181.03 12.42 67.87 20 38 32 3904.5 23.50 173.37

DIFFERENTIAL CORRECTIONS

TDE -.8672 TRA .6811 TC3-5.6111 BAU .5846
 RDE -.2304 RRA .3367 RC3-1.6948 FAU .14037
 FDE -3.2230 FRA 3.1006 FC-16.2908 BSP 12471
 BDE .8973 BRA .7598 BC3 5.8614 FSP -3657

MID-COURSE EXECUTION ACCURACY

SGT 3852.9 SGR 1270.3 SG3 1124.0
 RRT .9756 RRF .9876 RTF .9839
 SGB 4056.9 R23 .1055 R13 .9864
 SG1 4048.2 SG2 265.5 THA 17.91

ORBIT DETERMINATION ACCURACY

ST 1873.7 SR 530.4 SS 2124.2
 CRT .9829 CRS -.9909 CST -.9987
 LSA 2879.7 MSA 108.2 SSA 15.4
 EL1 1945.1 EL2 94.0 ALF 15.59

LAUNCH DATE MAY 24 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 473.922

RL 151.49 LAL -.00 LOL 242.16 VL 26.953 GAL 2.50 AZL 91.97 HCA 212.28 SMA 129.39 ECC .17608 INC 1.9701 V1 29.412
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.956 GAP 3.02 AZP 88.33 TAL 168.18 TAP 20.45 RCA 106.61 APO 152.17 V2 35.212
 RC 105.723 GL -19.33 GP -16.76 ZAL 72.26 ZAP 126.76 ETS 348.23 ZAE 141.19 ETE 199.34 ZAC 121.99 ETC 7.80 CLP-128.69

PLANETOCENTRIC CONIC

C3 7.824 VHL 2.797 DLA -14.18 RAL 164.00 RAD 6567.3 VEL 11.367 PTH 1.96 VHP 3.582 DPA .02 RAP 143.77 ECC 1.1288
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 2 1558.49 -1.12 3.17 12.18 118.32 8 31 1 958.5 3.67 356.53
 90.00 16 20 3 5115.65 24.86 227.40 15.36 75.99 17 45 18 4515.6 22.69 219.40
 100.00 9 18 50 1320.36 -1.95 345.20 11.72 119.88 9 40 51 720.4 3.03 338.68
 100.00 17 48 55 4829.02 25.78 206.05 15.09 74.32 19 9 25 4229.0 23.38 198.07
 110.00 10 10 12 1159.48 -3.08 331.66 10.39 124.06 10 29 32 559.5 1.41 325.46
 110.00 19 14 3 4562.66 28.17 184.95 14.22 69.79 20 30 6 3962.7 25.16 177.07

DIFFERENTIAL CORRECTIONS

TDE -1.0053 TRA .7621 TC3-5.7040 BAU .6148
 RDE -.1970 RRA .3058 RC3-1.4159 FAU .13216
 FDE -3.2849 FRA 3.0322 FC-14.6232 BSP 13163
 BDE 1.0244 BRA .8211 BC3 5.8771 FSP -3485

MID-COURSE EXECUTION ACCURACY

SGT 4124.9 SGR 1099.0 SG3 1069.5
 RRT .9704 RRF .9802 RTF .9846
 SGB 4268.8 R23 .0872 R13 .9861
 SG1 4261.1 SG2 257.1 THA 14.55

ORBIT DETERMINATION ACCURACY

ST 2117.3 SR 448.4 SS 2166.9
 CRT .9765 CRS -.9855 CST -.9988
 LSA 3060.5 MSA 111.7 SSA 15.7
 EL1 2162.2 EL2 94.6 ALF 11.71

LAUNCH DATE MAY 24 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 480.118

RL 151.49 LAL -.00 LOL 242.16 VL 26.937 GAL 2.66 AZL 92.12 HCA 215.51 SMA 129.28 ECC .17774 INC 2.1221 V1 29.412
 RP 107.60 LAP 1.23 LOP 97.65 VP 37.951 GAP 3.42 AZP 88.27 TAL 167.53 TAP 23.05 RCA 106.30 APO 152.26 V2 35.220
 RC 107.975 GL -20.36 GP -14.87 ZAL 71.10 ZAP 130.38 ETS 348.18 ZAE 139.60 ETE 196.08 ZAC 121.92 ETC 8.94 CLP-132.10

PLANETOCENTRIC CONIC

C3 8.205 VHL 2.864 DLA -15.64 RAL 164.79 RAD 6567.3 VEL 11.384 PTH 1.97 VHP 3.698 DPA 1.87 RAP 144.20 ECC 1.1350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 33 1515.06 1.28 .75 13.72 118.29 8 46 48 915.1 5.05 354.10
 90.00 16 9 49 5176.67 25.80 231.62 17.28 77.91 17 36 6 4576.7 23.88 223.48
 100.00 9 34 17 1280.39 .41 343.01 13.23 119.89 9 55 37 680.4 4.38 336.47
 100.00 17 39 47 4886.57 26.78 210.03 17.03 76.19 19 1 13 4286.6 24.61 201.90
 110.00 10 23 23 1126.61 -1.83 329.95 11.83 124.14 10 42 9 526.6 2.66 323.74
 110.00 19 7 11 4613.11 29.31 188.44 16.20 71.57 20 24 4 4013.1 26.51 180.37

DIFFERENTIAL CORRECTIONS

TDE-1.1363 TRA .8498 TC3-5.7444 BAU .6436
 RDE -.1635 RRA .2825 RC3-1.1946 FAU .12303
 FDE-3.2746 FRA 2.9634 FC-12.9813 BSP 13832
 BDE 1.1480 BRA .8955 BC3 5.8673 FSP -3286

MID-COURSE EXECUTION ACCURACY

SGT 4371.7 SGR 959.0 SG3 1007.9
 RRT .9616 RRF .9692 RTF .9848
 SGB 4475.6 R23 .0691 R13 .9857
 SG1 4468.2 SG2 257.6 THA 11.95

ORBIT DETERMINATION ACCURACY

ST 2335.8 SR 371.9 SS 2175.7
 CRT .9651 CRS -.9759 CST -.9989
 LSA 3211.6 MSA 115.2 SSA 16.0
 EL1 2363.3 EL2 96.3 ALF 8.75

LAUNCH DATE MAY 24 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 486.293

RL 151.49 LAL -.00 LOL 242.16 VL 26.920 GAL 2.84 AZL 92.25 HCA 218.76 SMA 129.16 ECC .17957 INC 2.2517 V1 29.412
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.946 GAP 3.82 AZP 88.24 TAL 166.85 TAP 25.60 RCA 105.97 APO 152.35 V2 35.227
 RC 110.226 GL -21.11 GP -13.29 ZAL 69.87 ZAP 133.73 ETS 348.17 ZAE 138.03 ETE 193.57 ZAC 121.61 ETC 9.91 CLP-135.25

PLANETOCENTRIC CONIC

C3 8.607 VHL 2.934 DLA -16.88 RAL 165.75 RAD 6567.3 VEL 11.402 PTH 1.97 VHP 3.831 DPA 3.35 RAP 144.77 ECC 1.1417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 12 1478.49 2.46 358.70 15.44 118.22 9 1 50 878.5 6.22 352.04
 90.00 16 1 49 5231.22 26.52 235.45 19.33 79.70 17 29 1 4631.2 24.83 227.19
 100.00 9 48 55 1247.08 1.54 341.18 14.93 119.86 10 9 42 647.1 5.50 334.63
 100.00 17 32 47 4937.87 27.56 213.64 19.10 77.94 18 55 5 4337.9 25.62 205.38
 110.00 10 35 56 1099.80 -.80 328.55 13.47 124.17 10 54 15 499.8 3.69 322.34
 110.00 19 2 16 4657.92 30.23 191.60 18.32 73.23 20 19 54 4057.9 27.64 183.36

DIFFERENTIAL CORRECTIONS

TDE-1.2640 TRA .9408 TC3-5.7531 BAU .6724
 RDE -.1318 RRA .2639 RC3-1.0221 FAU .11415
 FDE-3.2277 FRA 2.8848 FC-11.4818 BSP 14518
 BDE 1.2709 BRA .9771 BC3 5.8431 FSP -3092

MID-COURSE EXECUTION ACCURACY

SGT 4601.7 SGR 846.1 SG3 945.6
 RRT .9487 RRF .9539 RTF .9850
 SGB 4678.8 R23 .0518 R13 .9855
 SG1 4671.4 SG2 263.5 THA 9.93

ORBIT DETERMINATION ACCURACY

ST 2536.9 SR 304.5 SS 2167.7
 CRT .9456 CRS -.9587 CST -.9990
 LSA 3348.7 MSA 118.0 SSA 16.4
 EL1 2553.2 EL2 98.4 ALF 6.49

LAUNCH DATE MAY 24 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 492.447

RL 151.49 LAL -.00 LOL 242.16 VL 26.901 GAL 3.03 AZL 92.36 HCA 222.00 SMA 129.04 ECC .18158 INC 2.3643 V1 29.412
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.938 GAP 4.22 AZP 88.24 TAL 166.13 TAP 28.12 RCA 105.60 APO 152.47 V2 35.233
 RC 112.475 GL -21.63 GP -11.95 ZAL 68.57 ZAP 136.81 ETS 348.17 ZAE 136.53 ETE 191.62 ZAC 121.10 ETC 10.73 CLP-138.18

PLANETOCENTRIC CONIC

C3 9.036 VHL 3.006 DLA -17.94 RAL 166.85 RAD 6567.3 VEL 11.420 PTH 1.98 VHP 3.976 DPA 4.53 RAP 145.48 ECC 1.1487
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 11 1447.41 3.46 356.97 17.33 118.12 9 16 18 847.4 7.19 350.28
 90.00 15 55 36 5280.88 27.08 238.98 21.51 81.38 17 23 37 4680.9 25.61 230.62
 100.00 10 2 56 1219.08 2.49 339.64 16.79 119.80 10 23 15 619.1 6.43 333.08
 100.00 17 27 32 4984.44 28.18 216.97 21.30 79.58 18 50 36 4384.4 26.45 208.59
 110.00 10 48 1 1077.84 .04 327.40 15.26 124.18 11 5 59 477.8 4.52 321.19
 110.00 18 58 57 4698.45 30.99 194.51 20.57 74.80 20 17 15 4098.4 28.60 186.13

DIFFERENTIAL CORRECTIONS

TDE-1.3866 TRA 1.0387 TC3-5.7226 BAU .6995
 RDE -.1018 RRA .2495 RC3 -.8836 FAU .10545
 FDE-3.1500 FRA 2.8097 FC-10.1035 BSP 15164
 BDE 1.3903 BRA 1.0682 BC3 5.7904 FSP -2899

MID-COURSE EXECUTION ACCURACY

SGT 4811.6 SGR 754.8 SG3 883.8
 RRT .9308 RRF .9332 RTF .9850
 SGB 4870.5 R23 .0368 R13 .9853
 SG1 4862.8 SG2 273.0 THA 8.33

ORBIT DETERMINATION ACCURACY

ST 2717.7 SR 245.7 SS 2143.5
 CRT .9104 CRS -.9267 CST -.9991
 LSA 3467.8 MSA 120.7 SSA 16.7
 EL1 2726.9 EL2 101.3 ALF 4.71

LAUNCH DATE MAY 24 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 498.580

RL 151.49 LAL -.00 LOL 242.16 VL 26.881 GAL 3.23 AZL 92.46 HCA 225.24 SMA 128.90 ECC .18378 INC 2.4636 V1 29.412
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.930 GAP 4.62 AZP 88.26 TAL 165.37 TAP 30.61 RCA 105.21 APO 152.59 V2 35.239
 RC 114.720 GL -21.99 GP -10.81 ZAL 67.21 ZAP 139.67 ETS 348.17 ZAE 135.12 ETE 190.09 ZAC 120.40 ETC 11.42 CLP-140.90

PLANETOCENTRIC CONIC

C3 9.496 VHL 3.082 DLA -18.86 RAL 168.07 RAD 6567.3 VEL 11.441 PTH 1.98 VHP 4.132 DPA 5.45 RAP 146.32 ECC 1.1563
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 39 1420.90 4.31 355.48 19.36 118.01 9 30 20 820.9 8.02 348.77
 90.00 15 50 52 5326.72 27.50 242.27 23.80 82.98 17 19 38 4726.7 26.24 233.83
 100.00 10 16 29 1195.54 3.28 338.35 18.79 119.73 10 36 25 595.5 7.21 331.77
 100.00 17 23 43 5027.31 28.67 220.06 23.61 81.14 18 47 30 4427.3 27.14 211.59
 110.00 10 59 45 1059.95 .72 326.47 17.20 124.18 11 17 25 460.0 5.20 320.25
 110.00 18 56 56 4735.66 31.63 197.23 22.93 76.29 20 15 51 4135.7 29.42 188.71

DIFFERENTIAL CORRECTIONS

TDE-1.5055 TRA 1.1481 TC3-5.6565 BAU .7248
 RDE -.0734 RRA .2385 RC3 -.7705 FAU .09703
 FDE-3.0546 FRA 2.7386 FC3-8.8453 BSP 15769
 BDE 1.5073 BRA 1.1677 BC3 5.7088 FSP -2711

MID-COURSE EXECUTION ACCURACY

SGT 5003.3 SGR 680.9 SG3 823.9
 RRT .9070 RRF .9064 RTF .9849
 SGB 5049.4 R23 .0243 R13 .9851
 SG1 5041.4 SG2 284.7 THA 7.06

ORBIT DETERMINATION ACCURACY

ST 2880.9 SR 196.5 SS 2108.9
 CRT .8451 CRS -.8657 CST -.9991
 LSA 3573.5 MSA 123.5 SSA 17.0
 EL1 2885.7 EL2 104.9 ALF 3.30

LAUNCH DATE MAY 24 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 504.690

RL 151.49 LAL -.00 LOL 242.16 VL 26.860 GAL 3.45 AZL 92.55 HCA 228.48 SMA 128.76 ECC .18617 INC 2.5523 V1 29.412
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.920 GAP 5.02 AZP 88.31 TAL 164.58 TAP 33.06 RCA 104.79 APO 152.73 V2 35.244
 RC 116.961 GL -22.19 GP -9.84 ZAL 65.80 ZAP 142.31 ETS 348.15 ZAE 133.83 ETE 188.88 ZAC 119.53 ETC 11.98 CLP-143.44

PLANETOCENTRIC CONIC

C3 9.995 VHL 3.162 DLA -19.66 RAL 169.39 RAD 6567.4 VEL 11.462 PTH 1.99 VHP 4.299 DPA 6.15 RAP 147.30 ECC 1.1645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 40 1398.36 5.03 354.22 21.52 117.90 9 43 59 798.4 8.72 347.49
 90.00 15 47 22 5369.49 27.82 245.36 26.19 84.50 17 16 51 4769.5 26.77 236.85
 100.00 10 29 37 1175.85 3.94 337.26 20.92 119.65 10 49 13 575.9 7.86 330.67
 100.00 17 21 6 5067.23 29.05 222.96 26.03 82.62 18 45 33 4467.2 27.72 214.41
 110.00 11 11 11 1045.59 1.27 325.72 19.25 124.16 11 28 37 445.6 5.74 319.49
 110.00 18 56 1 4770.26 32.15 199.78 25.41 77.72 20 15 31 4170.3 30.13 191.16

DIFFERENTIAL CORRECTIONS

TDE-1.6204 TRA 1.2551 TC3-5.5595 BAU .7484
 RDE -.0465 RRA .2301 RC3 -.6770 FAU .08904
 FDE-2.9467 FRA 2.6736 FC3-7.7125 BSP 16338
 BOE 1.6211 BRA 1.2760 BC3 5.6006 FSP -2532

MID-COURSE EXECUTION ACCURACY

SGT 5178.4 SGR 621.6 SG3 766.8
 RRT .8766 RRF .8728 RTF .9846
 SGB 5215.6 R23 .0143 R13 .9847
 SG1 5207.1 SG2 297.5 THA 6.03

ORBIT DETERMINATION ACCURACY

ST 3026.6 SR 157.8 SS 2065.3
 CRT .7221 CRS -.7482 CST -.9992
 LSA 3665.3 MSA 126.6 SSA 17.2
 EL1 3028.8 EL2 109.1 ALF 2.16

LAUNCH DATE MAY 24 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 510.776

RL 151.49 LAL -.00 LOL 242.16 VL 26.839 GAL 3.69 AZL 92.63 HCA 231.73 SMA 128.62 ECC .18875 INC 2.6326 V1 29.412
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.908 GAP 5.43 AZP 88.37 TAL 163.76 TAP 35.49 RCA 104.34 APO 152.89 V2 35.248
 RC 119.197 GL -22.27 GP -9.00 ZAL 64.35 ZAP 144.78 ETS 348.11 ZAE 132.64 ETE 187.91 ZAC 118.52 ETC 12.44 CLP-145.80

PLANETOCENTRIC CONIC

C3 10.539 VHL 3.246 DLA -20.36 RAL 170.79 RAD 6567.4 VEL 11.486 PTH 2.00 VHP 4.474 DPA 6.66 RAP 148.40 ECC 1.1734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 18 1379.37 5.63 353.15 23.79 117.80 9 57 17 779.4 9.31 346.40
 90.00 15 44 57 5409.76 28.05 248.28 28.68 85.94 17 15 6 4809.8 27.19 239.72
 100.00 10 42 23 1159.64 4.49 336.37 23.16 119.58 11 1 43 559.6 8.40 329.76
 100.00 17 19 33 5104.73 29.35 225.71 28.55 84.04 18 44 37 4504.7 28.21 217.09
 110.00 11 22 21 1034.39 1.70 325.14 21.42 124.15 11 39 35 434.4 6.17 318.90
 110.00 18 56 4 4802.73 32.60 202.21 27.98 79.09 20 16 7 4202.7 30.75 193.48

DIFFERENTIAL CORRECTIONS

TDE-1.7294 TRA 1.3775 TC3-5.4250 BAU .7690
 RDE -.0204 RRA .2239 RC3 -.5976 FAU .08131
 FDE-2.8271 FRA 2.6188 FC3-6.6791 BSP 16797
 BOE 1.7295 BRA 1.3956 BC3 5.4578 FSP -2350

MID-COURSE EXECUTION ACCURACY

SGT 5333.6 SGR 574.0 SG3 712.5
 RRT .8393 RRF .8324 RTF .9842
 SGB 5364.4 R23 .0065 R13 .9842
 SG1 5355.4 SG2 310.8 THA 5.18

ORBIT DETERMINATION ACCURACY

ST 3151.6 SR 132.0 SS 2012.2
 CRT .5035 CRS -.5357 CST -.9992
 LSA 3739.2 MSA 130.5 SSA 17.3
 EL1 3152.3 EL2 114.0 ALF 1.21

LAUNCH DATE MAY 24 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 516.838

RL 151.49 LAL -.00 LOL 242.16 VL 26.816 GAL 3.94 AZL 92.71 HCA 234.98 SMA 128.46 ECC .19155 INC 2.7060 V1 29.412
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.895 GAP 5.83 AZP 88.45 TAL 162.91 TAP 37.88 RCA 103.86 APO 153.07 V2 35.252
 RC 121.426 GL -22.24 GP -8.27 ZAL 62.86 ZAP 147.07 ETS 348.03 ZAE 131.56 ETE 187.12 ZAC 117.37 ETC 12.80 CLP-148.01

PLANETOCENTRIC CONIC

C3 11.134 VHL 3.337 DLA -20.98 RAL 172.27 RAD 6567.4 VEL 11.512 PTH 2.01 VHP 4.657 DPA 7.01 RAP 149.61 ECC 1.1832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 47 32 1363.70 6.13 352.26 26.16 117.70 10 10 16 763.7 9.79 345.50
 90.00 15 43 29 5447.88 28.20 251.06 31.25 87.33 17 14 17 4847.9 27.53 242.46
 100.00 10 54 47 1146.64 4.93 335.65 25.50 119.52 11 13 54 546.6 8.82 329.03
 100.00 17 18 55 5140.17 29.57 228.32 31.15 85.40 18 44 35 4540.2 28.62 219.65
 110.00 11 33 14 1026.13 2.01 324.70 23.69 124.13 11 50 21 426.1 6.48 318.46
 110.00 18 56 57 4833.45 32.97 204.53 30.65 80.42 20 17 31 4233.5 31.30 195.71

DIFFERENTIAL CORRECTIONS

TDE-1.8387 TRA 1.5054 TC3-5.2783 BAU .7896
 RDE .0042 RRA .2190 RC3 -.5315 FAU .07443
 FDE-2.7134 FRA 2.5639 FC3-5.7875 BSP 17299
 BOE 1.8387 BRA 1.5213 BC3 5.3050 FSP -2196

MID-COURSE EXECUTION ACCURACY

SGT 5481.0 SGR 536.7 SG3 662.9
 RRT .7960 RRF .7857 RTF .9838
 SGB 5507.2 R23 -.0003 R13 .9838
 SG1 5497.7 SG2 323.8 THA 4.47

ORBIT DETERMINATION ACCURACY

ST 3266.4 SR 121.5 SS 1959.9
 CRT .1983 CRS -.2341 CST -.9993
 LSA 3808.8 MSA 134.2 SSA 17.3
 EL1 3266.5 EL2 119.1 ALF .42

LAUNCH DATE MAY 24 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 522.875

RL 151.49 LAL -.00 LOL 242.16 VL 26.792 GAL 4.21 AZL 92.77 HCA 238.22 SMA 128.31 ECC .19456 INC 2.7739 V1 29.412
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.882 GAP 6.25 AZP 88.54 TAL 162.03 TAP 40.25 RCA 103.34 APO 153.27 V2 35.255
 RC 123.648 GL -22.12 GP -7.64 ZAL 61.34 ZAP 149.22 ETS 347.92 ZAE 130.57 ETE 186.48 ZAC 116.11 ETC 13.09 CLP-150.09

PLANETOCENTRIC CONIC

C3 11.788 VHL 3.433 DLA -21.53 RAL 173.80 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 4.849 DPA 7.23 RAP 150.92 ECC 1.1940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 0 22 1351.18 6.53 351.56 28.61 117.62 10 22 54 751.2 10.17 344.78
 90.00 15 42 54 5484.14 28.29 253.71 33.90 88.66 17 14 18 4884.1 27.80 245.08
 100.00 11 6 50 1136.70 5.26 335.10 27.92 119.47 11 25 46 536.7 9.15 328.47
 100.00 17 19 8 5173.85 29.73 230.81 33.83 86.70 18 45 22 4573.9 28.95 222.10
 110.00 11 43 52 1020.62 2.22 324.42 26.04 124.12 12 0 52 420.6 6.69 318.17
 110.00 18 58 35 4862.70 33.28 206.76 33.41 81.70 20 19 38 4262.7 31.78 197.85

DIFFERENTIAL CORRECTIONS

TDE-1.9459 TRA 1.6424 TC3-5.1098 BAU .8088
 RDE .0280 RRA .2152 RC3 -.4744 FAU .06805
 FDE-2.6009 FRA 2.5146 FC3-4.9979 BSP 17762
 BOE 1.9461 BRA 1.6564 BC3 5.1318 FSP -2052

MID-COURSE EXECUTION ACCURACY

SGT 5615.8 SGR 507.2 SG3 616.8
 RRT .7472 RRF .7335 RTF .9834
 SGB 5638.7 R23 -.0059 R13 .9834
 SG1 5628.7 SG2 336.3 THA 3.87

ORBIT DETERMINATION ACCURACY

ST 3367.0 SR 125.3 SS 1905.3
 CRT -.1148 CRS .0793 CST -.9993
 LSA 3868.2 MSA 138.1 SSA 17.4
 EL1 3367.1 EL2 124.4 ALF 179.75

LAUNCH DATE MAY 24 1967

FLIGHT TIME 190.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 528.884

RL 151.49 LAL -0.00 LOL 242.16 VL 26.768 GAL 4.50 AZL 92.84 HCA 241.47 SMA 128.15 ECC .19780 INC 2.8371 V1 29.412
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.866 GAP 6.67 AZP 88.64 TAL 161.13 TAP 42.60 RCA 102.80 APO 153.49 V2 35.257
 RC 125.861 GL -21.93 GP -7.09 ZAL 59.81 ZAP 151.23 ETS 347.77 ZAE 129.68 ETE 185.95 ZAC 114.74 ETC 13.30 CLP-152.05

PLANETOCENTRIC CONIC

C3 12.510 VHL 3.537 DLA -22.01 RAL 175.39 RAD 6567.5 VEL 11.571 PTH 2.02 VHP 5.049 DPA 7.32 RAP 152.32 ECC 1.2059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 12 48 1341.73 6.82 351.02 31.15 117.55 10 35 9 741.7 10.46 344.23
 90.00 15 43 7 5518.72 28.32 256.24 36.63 89.92 17 15 6 4918.7 28.01 247.59
 100.00 11 18 29 1129.71 5.49 334.71 30.43 119.43 11 37 19 529.7 9.37 328.07
 100.00 17 20 6 5205.98 29.83 233.20 36.60 87.95 18 46 52 4606.0 29.23 224.45
 110.00 11 54 12 1017.76 2.33 324.27 28.47 124.11 12 11 10 417.8 6.79 318.02
 110.00 19 0 53 4890.69 33.53 208.91 36.25 82.95 20 22 24 4290.7 32.20 199.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0513 TRA 1.7886 TC3-4.9228 BAU .8264 SGT 5738.9 SGR 484.2 SG3 574.3 ST 3454.2 SR 139.1 SS 1849.6
 RDE .0513 RRA .2122 RC3 -.4243 FAU .06216 RRT .6938 RRF .6769 RTF .9830 CRT -.3553 CRS .3227 CST -.9993
 FDE-2.4917 FRA 2.4703 FC3-4.3017 BSP 18190 SGB 5759.3 R23 -.0107 R13 .9830 LSA 3918.0 MSA 142.3 SSA 17.2
 BDE 2.0519 BRA 1.8012 BC3 4.9410 FSP -1918 SG1 5748.7 SG2 348.1 THA 3.36 EL1 3454.5 EL2 130.0 ALF 179.18

LAUNCH DATE MAY 24 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 534.864

RL 151.49 LAL -0.00 LOL 242.16 VL 26.743 GAL 4.81 AZL 92.90 HCA 244.72 SMA 127.98 ECC .20128 INC 2.8965 V1 29.412
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.850 GAP 7.09 AZP 88.76 TAL 160.20 TAP 44.92 RCA 102.22 APO 153.74 V2 35.258
 RC 128.066 GL -21.66 GP -6.61 ZAL 58.25 ZAP 153.13 ETS 347.57 ZAE 128.87 ETE 185.50 ZAC 113.28 ETC 13.46 CLP-153.90

PLANETOCENTRIC CONIC

C3 13.309 VHL 3.648 DLA -22.42 RAL 177.01 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 5.257 DPA 7.30 RAP 153.81 ECC 1.2190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 24 46 1335.31 7.03 350.66 33.77 117.50 10 47 1 735.3 10.66 343.86
 90.00 15 44 5 5551.78 28.30 258.66 39.43 91.14 17 16 36 4951.8 28.15 249.99
 100.00 11 29 44 1125.60 5.63 334.49 33.01 119.41 11 48 30 525.6 9.51 327.84
 100.00 17 21 47 5236.71 29.88 235.48 39.43 89.15 18 49 4 4636.7 29.44 226.70
 110.00 12 4 14 1017.47 2.34 324.25 30.97 124.11 12 21 11 417.5 6.80 318.01
 110.00 19 3 47 4917.61 33.74 210.98 39.16 84.16 20 25 45 4317.6 32.57 201.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1514 TRA 1.9485 TC3-4.7098 BAU .8407 SGT 5846.8 SGR 466.4 SG3 534.6 ST 3523.3 SR 158.8 SS 1789.4
 RDE .0745 RRA .2101 RC3 -.3791 FAU .05646 RRT .6368 RRF .6171 RTF .9824 CRT -.5149 CRS .4854 CST -.9994
 FDE-2.3801 FRA 2.4361 FC3-3.6727 BSP 18500 SGB 5865.4 R23 -.0141 R13 .9824 LSA 3952.1 MSA 147.2 SSA 17.0
 BDE 2.1527 BRA 1.9598 BC3 4.7250 FSP -1783 SG1 5854.4 SG2 359.1 THA 2.92 EL1 3524.3 EL2 136.1 ALF 178.67

LAUNCH DATE MAY 24 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 540.814

RL 151.49 LAL -0.00 LOL 242.16 VL 26.718 GAL 5.13 AZL 92.95 HCA 247.96 SMA 127.81 ECC .20501 INC 2.9529 V1 29.412
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.833 GAP 7.52 AZP 88.89 TAL 159.26 TAP 47.22 RCA 101.61 APO 154.02 V2 35.259
 RC 130.261 GL -21.34 GP -6.18 ZAL 56.69 ZAP 154.93 ETS 347.32 ZAE 128.14 ETE 185.13 ZAC 111.74 ETC 13.58 CLP-155.65

PLANETOCENTRIC CONIC

C3 14.195 VHL 3.768 DLA -22.78 RAL 178.66 RAD 6567.6 VEL 11.644 PTH 2.04 VHP 5.474 DPA 7.18 RAP 155.36 ECC 1.2336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 36 15 1331.91 7.13 350.46 36.44 117.48 10 58 27 731.9 10.76 343.66
 90.00 15 45 44 5583.38 28.23 260.96 42.28 92.29 17 18 48 4983.4 28.25 252.30
 100.00 11 40 33 1124.37 5.67 334.42 35.64 119.40 11 59 17 524.4 9.55 327.77
 100.00 17 24 8 5266.15 29.89 237.67 42.33 90.30 18 51 54 4666.1 29.61 228.88
 110.00 12 13 56 1019.70 2.26 324.37 33.52 124.12 12 30 56 419.7 6.72 318.12
 110.00 19 7 14 4943.59 33.90 212.99 42.15 85.34 20 29 37 4343.6 32.89 203.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2546 TRA 2.1149 TC3-4.4957 BAU .8556 SGT 5949.8 SGR 452.6 SG3 498.5 ST 3586.2 SR 180.3 SS 1733.5
 RDE .0972 RRA .2079 RC3 -.3393 FAU .05145 RRT .5777 RRF .5553 RTF .9820 CRT -.6162 CRS .5898 CST -.9994
 FDE-2.2797 FRA 2.4010 FC3-3.1377 BSP 18882 SGB 5967.0 R23 -.0173 R13 .9819 LSA 3984.3 MSA 151.8 SSA 16.8
 BDE 2.2567 BRA 2.1251 BC3 4.5085 FSP -1671 SG1 5955.5 SG2 369.1 THA 2.53 EL1 3587.9 EL2 141.9 ALF 178.22

LAUNCH DATE MAY 24 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 546.730

RL 151.49 LAL -0.00 LOL 242.16 VL 26.692 GAL 5.48 AZL 93.01 HCA 251.21 SMA 127.64 ECC .20903 INC 3.0067 V1 29.412
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.814 GAP 7.97 AZP 89.03 TAL 158.29 TAP 49.50 RCA 100.96 APO 154.32 V2 35.259
 RC 132.447 GL -20.96 GP -5.80 ZAL 55.13 ZAP 156.63 ETS 347.01 ZAE 127.47 ETE 184.80 ZAC 110.12 ETC 13.66 CLP-157.32

PLANETOCENTRIC CONIC

C3 15.181 VHL 3.896 DLA -23.09 RAL 180.32 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 5.699 DPA 6.98 RAP 156.97 ECC 1.2498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 47 12 1331.55 7.14 350.44 39.16 117.47 11 9 24 731.5 10.77 343.64
 90.00 15 48 4 5613.61 28.13 263.17 45.20 93.39 17 21 38 5013.6 28.30 254.51
 100.00 11 50 53 1125.99 5.62 334.51 38.33 119.41 12 9 39 526.0 9.49 327.86
 100.00 17 27 5 5294.40 29.86 239.77 45.28 91.41 18 55 19 4694.4 29.74 230.97
 110.00 12 23 17 1024.41 2.08 324.61 36.13 124.13 12 40 22 424.4 6.54 318.37
 110.00 19 11 10 4968.74 34.02 214.95 45.19 86.49 20 33 59 4368.7 33.16 205.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3565 TRA 2.2924 TC3-4.2710 BAU .8690 SGT 6042.7 SGR 441.9 SG3 465.2 ST 3636.9 SR 202.3 SS 1677.5
 RDE .1200 RRA .2059 RC3 -.3031 FAU .04679 RRT .5172 RRF .4926 RTF .9815 CRT -.6824 CRS .6584 CST -.9994
 FDE-2.1835 FRA 2.3703 FC3-2.6685 BSP 19228 SGB 6058.9 R23 -.0199 R13 .9814 LSA 4007.2 MSA 156.6 SSA 16.6
 BDE 2.3596 BRA 2.3017 BC3 4.2817 FSP -1566 SG1 6047.1 SG2 378.0 THA 2.17 EL1 3639.6 EL2 147.8 ALF 177.82

LAUNCH DATE MAY 24 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 552.611

RL 151.49 LAL -.00 LOL 242.16 VL 26.665 GAL -5.85 AZL 93.06 MCA 254.46 SMA 127.47 ECC .21334 INC 3.0585 V1 29.412
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.795 GAP 8.42 AZP 89.18 TAL 157.31 TAP 51.77 RCA 100.28 APO 154.66 V2 35.258
 RC 134.624 GL -20.54 GP -5.46 ZAL 53.57 ZAP 158.25 ETS 346.64 ZAE 126.86 ETE 184.53 ZAC 108.44 ETC 13.71 CLP-158.92

PLANETOCENTRIC CONIC

C3 16.278 VHL 4.035 DLA -23.34 RAL 182.00 RAD 6567.7 VEL 11.733 PTH 2.07 VHP 5.934 DPA 6.70 RAP 158.64 ECC 1.2679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 57 36 1334.24 7.06 350.60 41.93 117.49 11 19 50 734.2 10.69 343.80
 90.00 15 51 3 5642.51 28.00 265.27 48.17 94.44 17 25 5 5042.5 28.32 256.62
 100.00 12 0 44 1130.45 5.47 334.75 41.06 119.43 12 19 34 530.5 9.35 328.12
 100.00 17 30 36 5321.54 29.80 241.78 48.30 92.47 18 59 17 4721.5 29.82 232.98
 110.00 12 32 16 1031.57 1.81 324.99 38.79 124.14 12 49 27 431.6 6.27 318.75
 110.00 19 15 33 4993.18 34.11 216.85 48.30 87.62 20 38 47 4393.2 33.40 207.68

DIFFERENTIAL CORRECTIONS

TDE-2.4578 TRA 2.4823 TC3-4.0375 BAU .8806
 RDE .1429 RRA .2039 RC3 -.2702 FAU .04248
 FDE-2.0925 FRA 2.3444 FC3-2.2590 BSP 19539
 BDE 2.4619 BRA 2.4907 BC3 4.0465 FSP -1469

MID-COURSE EXECUTION ACCURACY

SGT 6126.8 SGR 433.7 SG3 434.6
 RRT .4564 RRF .4299 RTF .9810
 SGB 6142.1 R23 -.0220 R13 .9810
 SG1 6130.0 SG2 385.7 THA 1.86

ORBIT DETERMINATION ACCURACY

ST 3676.7 SR 224.0 SS 1622.8
 CRT -.7269 CRS .7049 CST -.9994
 LSA 4021.9 MSA 161.5 SSA 16.3
 EL1 3680.3 EL2 153.7 ALF 177.46

LAUNCH DATE MAY 24 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 558.453

RL 151.49 LAL -.00 LOL 242.16 VL 26.638 GAL 6.24 AZL 93.11 MCA 257.71 SMA 127.29 ECC .21797 INC 3.1086 V1 29.412
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.774 GAP 8.89 AZP 89.34 TAL 156.32 TAP 54.02 RCA 99.55 APO 155.04 V2 35.256
 RC 136.791 GL -20.07 GP -5.16 ZAL 52.02 ZAP 159.80 ETS 346.19 ZAE 126.30 ETE 184.28 ZAC 106.70 ETC 13.74 CLP-160.44

PLANETOCENTRIC CONIC

C3 17.504 VHL 4.184 DLA -23.55 RAL 183.67 RAD 6567.7 VEL 11.785 PTH 2.08 VHP 6.180 DPA 6.36 RAP 160.36 ECC 1.2881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 7 23 1340.00 6.88 350.92 44.74 117.54 11 29 43 740.0 10.51 344.13
 90.00 15 54 37 5670.14 27.83 267.28 51.19 95.43 17 29 8 5070.1 28.29 258.64
 100.00 12 10 3 1137.73 5.23 335.16 43.83 119.47 12 29 1 537.7 9.11 328.53
 100.00 17 34 39 5347.64 29.71 243.72 51.36 93.48 19 3 47 4747.6 29.87 234.92
 110.00 12 40 51 1041.15 1.44 325.49 41.48 124.16 12 58 12 441.1 5.91 319.26
 110.00 19 20 20 5016.99 34.16 218.71 51.46 88.71 20 43 57 4417.0 33.61 209.51

DIFFERENTIAL CORRECTIONS

TDE-2.5590 TRA 2.6842 TC3-3.7987 BAU .8907
 RDE .1660 RRA .2015 RC3 -.2399 FAU .03846
 FDE-2.0066 FRA 2.3221 FC3-1.9023 BSP 19825
 BDE 2.5643 BRA 2.6918 BC3 3.8062 FSP -1378

MID-COURSE EXECUTION ACCURACY

SGT 6202.0 SGR 427.3 SG3 406.3
 RRT .3956 RRF .3677 RTF .9805
 SGB 6216.7 R23 -.0237 R13 .9805
 SG1 6204.3 SG2 392.3 THA 1.57

ORBIT DETERMINATION ACCURACY

ST 3706.4 SR 244.7 SS 1569.1
 CRT -.7581 CRS .7377 CST -.9995
 LSA 4028.9 MSA 166.4 SSA 16.0
 EL1 3711.1 EL2 159.4 ALF 177.13

LAUNCH DATE MAY 24 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 564.253

RL 151.49 LAL -.00 LOL 242.16 VL 26.611 GAL 6.66 AZL 93.16 MCA 260.95 SMA 127.12 ECC .22294 INC 3.1576 V1 29.412
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.753 GAP 9.37 AZP 89.50 TAL 155.31 TAP 56.27 RCA 98.78 APO 155.46 V2 35.254
 RC 138.949 GL -19.58 GP -4.90 ZAL 50.48 ZAP 161.28 ETS 345.66 ZAE 125.79 ETE 184.07 ZAC 104.92 ETC 13.74 CLP-161.91

PLANETOCENTRIC CONIC

C3 18.875 VHL 4.344 DLA -23.72 RAL 185.34 RAD 6567.8 VEL 11.843 PTH 2.10 VHP 6.436 DPA 5.95 RAP 162.12 ECC 1.3106
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 16 33 1348.82 6.60 351.42 47.57 117.60 11 39 2 748.8 10.25 344.64
 90.00 15 58 47 5696.56 27.65 269.19 54.25 96.37 17 33 43 5096.6 28.24 260.58
 100.00 12 18 49 1147.82 4.89 335.72 46.63 119.53 12 37 57 547.8 8.78 329.10
 100.00 17 39 12 5372.79 29.59 245.58 54.46 94.45 19 8 44 4772.8 29.89 236.79
 110.00 12 49 2 1053.10 .98 326.11 44.20 124.17 13 6 35 453.1 5.46 319.89
 110.00 19 25 29 5040.27 34.18 220.53 54.66 89.79 20 49 29 4440.3 33.78 211.30

DIFFERENTIAL CORRECTIONS

TDE-2.6575 TRA 2.9024 TC3-3.5507 BAU .8976
 RDE .1896 RRA .1987 RC3 -.2120 FAU .03461
 FDE-1.9231 FRA 2.3061 FC3-1.5876 BSP 20019
 BDE 2.6643 BRA 2.9092 BC3 3.5570 FSP -1289

MID-COURSE EXECUTION ACCURACY

SGT 6267.5 SGR 422.4 SG3 380.3
 RRT .3357 RRF .3071 RTF .9800
 SGB 6281.7 R23 -.0247 R13 .9800
 SG1 6269.1 SG2 397.7 THA 1.30

ORBIT DETERMINATION ACCURACY

ST 3723.6 SR 264.4 SS 1515.5
 CRT -.7801 CRS .7609 CST -.9995
 LSA 4025.2 MSA 171.4 SSA 15.7
 EL1 3729.3 EL2 165.2 ALF 176.82

LAUNCH DATE MAY 24 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 570.006

RL 151.49 LAL -.00 LOL 242.16 VL 26.584 GAL 7.10 AZL 93.21 MCA 264.20 SMA 126.94 ECC .22829 INC 3.2056 V1 29.412
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.731 GAP 9.87 AZP 89.68 TAL 154.30 TAP 58.50 RCA 97.96 APO 155.92 V2 35.251
 RC 141.095 GL -19.06 GP -4.66 ZAL 48.96 ZAP 162.70 ETS 345.04 ZAE 125.32 ETE 183.88 ZAC 103.08 ETC 13.74 CLP-163.32

PLANETOCENTRIC CONIC

C3 20.411 VHL 4.518 DLA -23.84 RAL 187.00 RAD 6567.8 VEL 11.908 PTH 2.12 VHP 6.705 DPA 5.48 RAP 163.91 ECC 1.3359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 25 4 1360.70 6.22 352.09 50.42 117.68 11 47 44 760.7 9.88 345.32
 90.00 16 3 29 5721.79 27.44 271.01 57.35 97.26 17 38 50 5121.8 28.17 262.42
 100.00 12 27 2 1160.68 4.46 336.43 49.45 119.59 12 46 22 560.7 8.36 329.82
 100.00 17 44 12 5397.04 29.45 247.37 57.61 95.38 19 14 9 4797.0 29.88 238.59
 110.00 12 56 46 1067.39 .44 326.86 46.95 124.18 13 14 34 467.4 4.92 320.64
 110.00 19 30 56 5063.10 34.17 222.31 57.91 90.85 20 55 19 4463.1 33.91 213.07

DIFFERENTIAL CORRECTIONS

TDE-2.7601 TRA 3.1309 TC3-3.3093 BAU .9044
 RDE .2134 RRA .1952 RC3 -.1865 FAU .03118
 FDE-1.8481 FRA 2.2905 FC3-1.3226 BSP 20271
 BDE 2.7683 BRA 3.1370 BC3 3.3146 FSP -1213

MID-COURSE EXECUTION ACCURACY

SGT 6327.7 SGR 418.3 SG3 356.3
 RRT .2764 RRF .2473 RTF .9796
 SGB 6341.5 R23 -.0256 R13 .9796
 SG1 6328.8 SG2 401.9 THA 1.05

ORBIT DETERMINATION ACCURACY

ST 3735.9 SR 282.6 SS 1465.8
 CRT -.7967 CRS .7787 CST -.9995
 LSA 4019.2 MSA 176.0 SSA 15.4
 EL1 3742.7 EL2 170.5 ALF 176.54

LAUNCH DATE MAY 24 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 575.708

RL 151.49 LAL -.00 LOL 242.16 VL 26.556 GAL 7.58 AZL 93.25 HCA 267.45 SMA 126.76 ECC .23404 INC 3.2531 V1 29.412
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.707 GAP 10.38 AZP 89.85 TAL 153.28 TAP 60.73 RCA 97.09 APO 156.43 V2 35.247
 RC 143.232 GL -18.51 GP -4.44 ZAL 47.46 ZAP 164.07 ETS 344.30 ZAE 124.88 ETE 183.70 ZAC 101.21 ETC 13.73 CLP-164.69

PLANETOCENTRIC CONIC

C3 22.135 VHL 4.705 DLA -23.93 RAL 188.63 RAD 6567.9 VEL 11.980 PTH 2.14 VHP 6.987 DPA 4.97 RAP 165.73 ECC 1.3643
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 32 54 1375.60 5.75 352.93 53.29 117.77 11 55 50 775.6 9.43 346.18
 90.00 16 8 41 5745.92 27.22 272.74 60.49 98.10 17 44 27 5145.9 28.07 264.18
 100.00 12 34 39 1176.27 3.93 337.29 52.29 119.66 12 54 16 576.3 7.85 330.69
 100.00 17 49 37 5420.48 29.29 249.09 60.79 96.28 19 19 57 4820.5 29.85 240.33
 110.00 13 4 5 1083.98 -.20 327.72 49.72 124.18 13 22 9 484.0 4.29 321.51
 110.00 19 36 41 5085.54 34.14 224.06 61.19 91.88 21 1 26 4485.5 34.02 214.82

DIFFERENTIAL CORRECTIONS

TDE-2.8639 TRA 3.742 TC3-3.0685 BAU .9093
 RDE .2377 RRA .1909 RC3 -.1632 FAU .02797
 FDE-1.7782 FRA 2.2784 FC3-1.0939 BSP 20497
 BDE 2.8738 BRA 3.3796 BC3 3.0728 FSP -1141

MID-COURSE EXECUTION ACCURACY

SGT 6380.4 SGR 414.8 SG3 334.2
 RRT .2180 RRF .1889 RTF .9793
 SGB 6393.9 R23 -.0261 R13 .9793
 SG1 6381.1 SG2 404.8 THA .82

ORBIT DETERMINATION ACCURACY

ST 3740.4 SR 299.4 SS 1418.3
 CRT -.8093 CRS .7922 CST -.9995
 LSA 4007.3 MSA 180.4 SSA 15.1
 EL1 3748.2 EL2 175.5 ALF 176.28

LAUNCH DATE MAY 24 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 581.352

RL 151.49 LAL -.00 LOL 242.16 VL 26.528 GAL 8.08 AZL 93.30 HCA 270.69 SMA 126.58 ECC .24024 INC 3.3004 V1 29.412
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.683 GAP 10.92 AZP 90.04 TAL 152.26 TAP 62.95 RCA 96.17 APO 156.99 V2 35.243
 RC 145.356 GL -17.95 GP -4.24 ZAL 46.00 ZAP 165.40 ETS 343.42 ZAE 124.47 ETE 183.55 ZAC 99.31 ETC 13.71 CLP-166.02

PLANETOCENTRIC CONIC

C3 24.076 VHL 4.907 DLA -23.98 RAL 190.24 RAD 6568.0 VEL 12.060 PTH 2.16 VHP 7.284 DPA 4.41 RAP 167.57 ECC 1.3962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 40 5 1393.46 5.18 353.94 56.17 117.88 12 3 18 793.5 8.88 347.21
 90.00 16 14 21 5769.03 26.99 274.39 63.66 98.90 17 50 30 5169.0 27.95 265.86
 100.00 12 41 42 1194.53 3.32 338.29 55.14 119.72 13 1 37 594.5 7.25 331.71
 100.00 17 55 25 5443.19 29.11 250.76 64.00 97.14 19 26 8 4843.2 29.79 242.02
 110.00 13 10 57 1102.81 -.92 328.70 52.50 124.17 13 29 20 502.8 3.57 322.50
 110.00 19 42 39 5107.68 34.07 225.79 64.51 92.90 21 7 47 4507.7 34.10 216.54

DIFFERENTIAL CORRECTIONS

TDE-2.9690 TRA 3.6337 TC3-2.8295 BAU .9119
 RDE .2625 RRA .1856 RC3 -.1419 FAU .02495
 FDE-1.7128 FRA 2.2700 FC3 -.8972 BSP 20698
 BDE 2.9806 BRA 3.6384 BC3 2.8331 FSP -1075

MID-COURSE EXECUTION ACCURACY

SGT 6426.0 SGR 411.8 SG3 313.8
 RRT .1606 RRF .1320 RTF .9791
 SGB 6439.2 R23 -.0262 R13 .9790
 SG1 6426.3 SG2 406.5 THA .59

ORBIT DETERMINATION ACCURACY

ST 3737.2 SR 314.7 SS 1372.8
 CRT -.8190 CRS .8027 CST -.9995
 LSA 3989.5 MSA 184.6 SSA 14.7
 EL1 3746.1 EL2 180.2 ALF 176.05

LAUNCH DATE MAY 24 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 586.932

RL 151.49 LAL -.00 LOL 242.16 VL 26.500 GAL 8.62 AZL 93.35 HCA 273.93 SMA 126.40 ECC .24693 INC 3.3477 V1 29.412
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.659 GAP 11.48 AZP 90.23 TAL 151.24 TAP 65.17 RCA 95.19 APO 157.61 V2 35.237
 RC 147.469 GL -17.37 GP -4.07 ZAL 44.56 ZAP 166.69 ETS 342.37 ZAE 124.09 ETE 183.40 ZAC 97.38 ETC 13.70 CLP-167.31

PLANETOCENTRIC CONIC

C3 26.266 VHL 5.125 DLA -23.99 RAL 191.82 RAD 6568.1 VEL 12.151 PTH 2.18 VHP 7.598 DPA 3.81 RAP 169.44 ECC 1.4323
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 46 34 1414.21 4.52 355.11 59.05 117.98 12 10 9 814.2 8.23 348.39
 90.00 16 20 27 5791.18 26.75 275.97 66.86 99.66 17 56 58 5191.2 27.81 267.46
 100.00 12 48 10 1215.38 2.61 339.44 57.99 119.79 13 8 25 615.4 6.56 332.87
 100.00 18 1 32 5465.24 28.91 252.37 67.23 97.96 19 32 37 4865.2 29.71 243.65
 110.00 13 17 22 1123.81 -1.72 329.80 55.29 124.15 13 36 6 523.8 2.77 323.60
 110.00 19 48 49 5129.57 33.99 227.49 67.85 93.91 21 14 19 4529.6 34.15 218.25

DIFFERENTIAL CORRECTIONS

TDE-3.0729 TRA 3.9135 TC3-2.5893 BAU .9103
 RDE .2879 RRA .1792 RC3 -.1224 FAU .02201
 FDE-1.6496 FRA 2.2673 FC3 -.7254 BSP 20791
 BDE 3.0864 BRA 3.9176 BC3 2.5922 FSP -1007

MID-COURSE EXECUTION ACCURACY

SGT 6463.6 SGR 409.1 SG3 294.9
 RRT .1047 RRF .0772 RTF .9788
 SGB 6476.5 R23 -.0258 R13 .9788
 SG1 6463.7 SG2 406.9 THA .38

ORBIT DETERMINATION ACCURACY

ST 3724.5 SR 328.6 SS 1328.2
 CRT -.8262 CRS .8105 CST -.9996
 LSA 3963.4 MSA 188.6 SSA 14.4
 EL1 3734.4 EL2 184.6 ALF 175.82

LAUNCH DATE MAY 24 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 592.439

RL 151.49 LAL -.00 LOL 242.16 VL 26.472 GAL 9.20 AZL 93.40 HCA 277.18 SMA 126.22 ECC .25416 INC 3.3953 V1 29.412
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.633 GAP 12.07 AZP 90.42 TAL 150.22 TAP 67.40 RCA 94.14 APO 158.30 V2 35.231
 RC 149.570 GL -16.78 GP -3.91 ZAL 43.16 ZAP 167.94 ETS 341.11 ZAE 123.72 ETE 183.26 ZAC 95.42 ETC 13.68 CLP-168.58

PLANETOCENTRIC CONIC

C3 28.742 VHL 5.361 DLA -23.97 RAL 193.36 RAD 6568.2 VEL 12.252 PTH 2.20 VHP 7.929 DPA 3.18 RAP 171.32 ECC 1.4730
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 52 24 1437.74 3.77 356.43 61.93 118.09 12 16 22 837.7 7.50 349.73
 90.00 16 26 55 5812.48 26.50 277.48 70.07 100.37 18 3 47 5212.5 27.66 269.00
 100.00 12 54 3 1238.75 1.82 340.72 60.85 119.84 13 14 41 638.7 5.78 334.17
 100.00 18 7 57 5486.70 28.70 253.93 70.49 98.76 19 39 24 4886.7 29.61 245.24
 110.00 13 23 19 1146.93 -2.60 331.01 58.09 124.10 13 42 26 546.9 1.89 324.80
 110.00 19 55 10 5151.28 33.87 229.18 71.22 94.90 21 21 1 4551.3 34.18 219.94

DIFFERENTIAL CORRECTIONS

TDE-3.1838 TRA 4.2071 TC3-2.3612 BAU .9082
 RDE .3138 RRA .1713 RC3 -.1048 FAU .01939
 FDE-1.5943 FRA 2.2651 FC3 -.5839 BSP 20970
 BDE 3.1992 BRA 4.2106 BC3 2.3635 FSP -951

MID-COURSE EXECUTION ACCURACY

SGT 6496.0 SGR 406.5 SG3 277.5
 RRT .0491 RRF .0229 RTF .9787
 SGB 6508.7 R23 -.0253 R13 .9787
 SG1 6496.1 SG2 406.0 THA .18

ORBIT DETERMINATION ACCURACY

ST 3709.8 SR 340.7 SS 1288.1
 CRT -.8323 CRS .8173 CST -.9996
 LSA 3937.1 MSA 191.9 SSA 14.1
 EL1 3720.6 EL2 188.3 ALF 175.62

LAUNCH DATE MAY 24 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 597.863

RL 151.49 LAL -.00 LOL 242.16 VL 26.443 GAL 9.82 AZL 93.44 HCA 280.42 SMA 126.04 ECC .26199 INC 3.4436 VI 29.412
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.607 GAP 12.68 AZP 90.62 TAL 149.21 TAP 69.63 RCA 93.02 APO 159.06 V2 35.225
 RC 151.657 GL -16.18 GP -3.76 ZAL 41.80 ZAP 169.15 ETS 339.56 ZAE 123.36 ETE 183.13 ZAC 93.45 ETC 13.67 CLP-169.82

PLANETOCENTRIC CONIC

C3 31.549 VHL 5.617 DLA -23.92 RAL 194.86 RAD 6568.3 VEL 12.366 PTH 2.23 VHP 8.282 DPA 2.51 RAP 173.21 ECC 1.5192
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 57 34 1463.95 2.93 357.89 64.80 118.18 12 21 58 863.9 6.67 351.21
 90.00 16 33 42 5833.00 26.24 278.92 73.31 101.05 18 10 55 5233.0 27.50 270.48
 100.00 12 59 21 1264.52 .95 342.14 63.70 119.88 13 20 25 664.5 4.91 335.60
 100.00 18 14 37 5507.66 28.47 255.44 73.77 99.52 19 46 24 4907.7 29.49 246.79
 110.00 13 28 49 1172.10 -3.56 332.32 60.89 124.02 13 48 21 572.1 .93 326.12
 110.00 20 1 38 5172.85 33.73 230.84 74.60 95.88 21 27 51 4572.8 34.18 221.63

DIFFERENTIAL CORRECTIONS

TDE-3.2978 TRA 4.5205 TC3-2.1392 BAU .9031
 RDE .3402 RRA .1620 RC3 -.0890 FAU .01690
 FDE-1.5433 FRA 2.2666 FC3 -.4638 BSP 21125
 BDE 3.3153 BRA 4.5234 BC3 2.1411 FSP -898

MID-COURSE EXECUTION ACCURACY

SGT 6522.1 SGR 403.9 SG3 261.3
 RRT -.0057 RRF -.0302 RTF .9788
 SGB 6534.5 R23 .0246 R13 -.9788
 SG1 6522.1 SG2 403.9 THA 179.98

ORBIT DETERMINATION ACCURACY

ST 3689.4 SR 351.3 SS 1250.6
 CRT -.8373 CRS .8228 CST -.9996
 LSA 3906.5 MSA 194.7 SSA 13.7
 EL1 3701.1 EL2 191.4 ALF 175.43

LAUNCH DATE MAY 24 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 603.194

RL 151.49 LAL -.00 LOL 242.16 VL 26.415 GAL 10.48 AZL 93.49 HCA 283.66 SMA 125.86 ECC .27047 INC 3.4929 VI 29.412
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.581 GAP 13.34 AZP 90.83 TAL 148.22 TAP 71.88 RCA 91.82 APO 159.91 V2 35.217
 RC 153.730 GL -15.57 GP -3.63 ZAL 40.48 ZAP 170.34 ETS 337.62 ZAE 123.02 ETE 183.01 ZAC 91.47 ETC 13.67 CLP-171.04

PLANETOCENTRIC CONIC

C3 34.741 VHL 5.894 DLA -23.83 RAL 196.32 RAD 6568.4 VEL 12.494 PTH 2.26 VHP 8.658 DPA 1.82 RAP 175.11 ECC 1.5717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 2 6 1492.70 2.00 359.50 67.66 118.25 12 26 58 892.7 5.77 352.84
 90.00 16 40 47 5852.84 25.97 280.31 76.56 101.70 18 18 20 5252.8 27.32 271.91
 100.00 13 4 5 1292.61 -.01 343.68 66.54 119.89 13 25 37 692.6 3.97 337.15
 100.00 18 21 29 5528.16 28.23 256.92 77.05 100.26 19 53 37 4928.2 29.36 248.30
 110.00 13 33 52 1199.22 -4.60 333.74 63.69 123.91 13 53 51 599.2 -.11 327.53
 110.00 20 8 11 5194.31 33.57 232.50 77.99 96.84 21 34 46 4594.3 34.16 223.31

DIFFERENTIAL CORRECTIONS

TDE-3.4161 TRA 4.8552 TC3-1.9243 BAU .8944
 RDE .3673 RRA .1510 RC3 -.0750 FAU .01454
 FDE-1.4966 FRA 2.2720 FC3 -.3624 BSP 21249
 BDE 3.4357 BRA 4.8576 BC3 1.9257 FSP -848

MID-COURSE EXECUTION ACCURACY

SGT 6541.8 SGR 401.3 SG3 246.3
 RRT -.0597 RRF -.0822 RTF .9789
 SGB 6554.1 R23 .0236 R13 -.9789
 SG1 6541.8 SG2 400.6 THA 179.79

ORBIT DETERMINATION ACCURACY

ST 3664.4 SR 360.3 SS 1215.7
 CRT -.8415 CRS .8275 CST -.9996
 LSA 3872.5 MSA 197.0 SSA 13.4
 EL1 3676.9 EL2 194.0 ALF 175.26

LAUNCH DATE MAY 24 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 608.416

RL 151.49 LAL -.00 LOL 242.16 VL 26.387 GAL 11.19 AZL 93.54 HCA 286.90 SMA 125.69 ECC .27969 INC 3.5436 VI 29.412
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.553 GAP 14.03 AZP 91.03 TAL 147.24 TAP 74.14 RCA 90.53 APO 160.84 V2 35.210
 RC 155.789 GL -14.97 GP -3.51 ZAL 39.21 ZAP 171.50 ETS 335.16 ZAE 122.67 ETE 182.89 ZAC 89.47 ETC 13.67 CLP-172.25

PLANETOCENTRIC CONIC

C3 38.382 VHL 6.195 DLA -23.72 RAL 197.72 RAD 6568.5 VEL 12.639 PTH 2.29 VHP 9.060 DPA 1.11 RAP 177.01 ECC 1.6317
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 0 1523.85 1.00 1.24 70.51 118.30 12 31 24 923.8 4.77 354.59
 90.00 16 48 5 5872.06 25.70 281.66 79.81 102.32 18 25 57 5272.1 27.14 273.28
 100.00 13 8 15 1322.88 -1.03 345.34 69.38 119.88 13 30 18 722.9 2.95 338.82
 100.00 18 28 31 5548.26 27.98 258.36 80.34 100.98 20 0 59 4948.3 29.21 249.77
 110.00 13 38 26 1228.21 -5.69 335.27 66.48 123.76 13 58 55 628.2 -1.22 329.04
 110.00 20 14 49 5215.69 33.39 234.14 81.38 97.80 21 41 44 4615.7 34.10 224.97

DIFFERENTIAL CORRECTIONS

TDE-3.5395 TRA 5.2130 TC3-1.7173 BAU .8818
 RDE .3949 RRA .1382 RC3 -.0626 FAU .01230
 FDE-1.4544 FRA 2.2812 FC3 -.2774 BSP 21362
 BDE 3.5615 BRA 5.2148 BC3 1.7185 FSP -801

MID-COURSE EXECUTION ACCURACY

SGT 6555.4 SGR 398.6 SG3 232.4
 RRT -.1131 RRF -.1333 RTF .9792
 SGB 6567.5 R23 .0223 R13 -.9792
 SG1 6555.5 SG2 396.0 THA 179.60

ORBIT DETERMINATION ACCURACY

ST 3635.2 SR 367.6 SS 1183.8
 CRT -.8450 CRS .8315 CST -.9996
 LSA 3835.6 MSA 198.7 SSA 13.0
 EL1 3648.5 EL2 195.9 ALF 175.10

LAUNCH DATE MAY 24 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 613.512

RL 151.49 LAL -.00 LOL 242.16 VL 26.359 GAL 11.96 AZL 93.60 HCA 290.14 SMA 125.51 ECC .28974 INC 3.5960 VI 29.412
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.526 GAP 14.77 AZP 91.24 TAL 146.29 TAP 76.43 RCA 89.15 APO 161.88 V2 35.201
 RC 157.834 GL -14.36 GP -3.40 ZAL 37.98 ZAP 172.63 ETS 331.94 ZAE 122.33 ETE 182.78 ZAC 87.48 ETC 13.69 CLP-173.45

PLANETOCENTRIC CONIC

C3 42.552 VHL 6.523 DLA -23.58 RAL 199.07 RAD 6568.6 VEL 12.803 PTH 2.33 VHP 9.491 DPA .38 RAP 178.91 ECC 1.7003
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 9 17 1557.26 -.08 3.10 73.33 118.32 12 35 14 957.3 3.71 356.46
 90.00 16 55 34 602.69 25.42 305.05 83.06 102.91 17 5 37 2.7 26.95 296.71
 100.00 13 11 52 1355.23 -2.13 347.11 72.19 119.82 13 34 27 755.2 1.85 340.59
 100.00 18 35 40 5567.99 27.71 259.77 83.62 101.68 20 8 28 4968.0 29.04 251.22
 110.00 13 42 33 1258.99 -6.86 336.90 69.27 123.57 14 3 32 659.0 -2.40 330.65
 110.00 20 21 28 5236.99 33.18 235.77 84.76 98.74 21 48 45 4637.0 34.03 226.63

DIFFERENTIAL CORRECTIONS

TDE-3.6657 TRA 5.5995 TC3-1.5159 BAU .8629
 RDE .4231 RRA .1232 RC3 -.0518 FAU .01007
 FDE-1.4147 FRA 2.2963 FC3 -.2050 BSP 21373
 BDE 3.6901 BRA 5.6009 BC3 1.5168 FSP -754

MID-COURSE EXECUTION ACCURACY

SGT 6563.3 SGR 395.8 SG3 219.6
 RRT -.1654 RRF -.1829 RTF .9796
 SGB 6575.3 R23 .0206 R13 -.9796
 SG1 6563.7 SG2 390.3 THA 179.43

ORBIT DETERMINATION ACCURACY

ST 3600.3 SR 373.4 SS 1153.9
 CRT -.8477 CRS .8345 CST -.9996
 LSA 3793.8 MSA 199.9 SSA 12.7
 EL1 3614.2 EL2 197.3 ALF 174.96

LAUNCH DATE MAY 25 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 3 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 19.015 GAL 11.58 AZL 92.66 HCA 50.20 SMA 95.46 ECC .60926 INC 2.6550 V1 29.406
 RP 108.91 LAP -2.04 LOP 293.29 VP 32.355 GAP -36.78 AZP 91.70 TAL 172.35 TAP 222.55 RCA 37.30 APO 153.62 V2 34.795
 RC 57.057 GL -4.35 GP 1.23 ZAL 72.09 ZAP 24.58 ETS 184.31 ZAE 153.25 ETE 162.70 ZAC 125.79 ETC 20.19 CLP 24.56

PLANETOCENTRIC CONIC
 C3 129.556 VHL 11.382 DLA -.46 RAL 170.10 RAD 6570.4 VEL 15.840 PTH 2.80 VHP 21.383 DPA 19.50 RAP 141.62 ECC 3.1322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 19 2643.36 -27.14 70.49 63.03 98.39 7 21 22 2043.4 -25.70 62.12
 90.00 18 28 31 5315.97 27.41 241.49 63.49 82.60 19 57 7 4716.0 26.10 233.07
 100.00 7 58 27 2381.67 -28.65 50.99 62.77 98.92 8 38 8 1781.7 -27.12 42.52
 100.00 19 50 4 5052.90 28.92 221.92 63.26 82.09 21 14 17 4452.9 27.52 213.39
 110.00 9 6 12 2169.58 -32.74 34.08 61.96 100.44 9 42 22 1569.6 -30.95 25.31
 110.00 20 58 49 4837.74 33.02 204.86 62.53 80.61 22 19 26 4237.7 31.37 196.02

DIFFERENTIAL CORRECTIONS
 TDE .5871 TRA-1.4215 TC3 -.0982 BAU .1767 SGT 805.8 SGR 449.6 SG3 33.9 ST 365.3 SR 400.0 SS 337.5
 RDE -.7851 RRA -.4073 RC3 .0276 FAU .01450 RRT .0438 RRF -.0419 RTF -.6311 CRT -.7090 CRS -.8051 CST .9875
 FDE -.3218 FRA .5576 FC3 -.0969 BSP 2127 SGB 922.8 R23 -.0018 R13 -.6313 LSA 599.1 MSA 219.7 SSA 13.9
 BDE .9803 BRA 1.4787 BC3 .1020 FSP -71 SG1 806.2 SG2 449.0 THA 2.03 EL1 501.2 EL2 205.6 ALF 131.36

LAUNCH DATE MAY 25 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 19.631 GAL 11.12 AZL 92.72 HCA 53.36 SMA 97.12 ECC .58239 INC 2.7247 V1 29.406
 RP 108.92 LAP -2.19 LOP 296.45 VP 32.717 GAP -35.02 AZP 91.63 TAL 171.78 TAP 225.14 RCA 40.56 APO 153.68 V2 34.792
 RC 55.270 GL -4.87 GP 1.27 ZAL 71.22 ZAP 23.05 ETS 184.53 ZAE 154.32 ETE 160.72 ZAC 124.23 ETC 19.74 CLP 23.02

PLANETOCENTRIC CONIC
 C3 116.186 VHL 10.779 DLA -1.29 RAL 170.70 RAD 6570.2 VEL 15.412 PTH 2.75 VHP 20.468 DPA 19.07 RAP 143.28 ECC 2.9121
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 53 2596.10 -26.63 67.13 61.62 100.00 7 29 9 1996.1 -24.98 58.85
 90.00 18 24 47 5320.19 27.45 241.80 62.87 82.75 19 53 27 4720.2 26.16 233.37
 100.00 8 6 38 2335.65 -28.12 47.67 61.32 100.59 8 45 34 1735.7 -26.37 39.31
 100.00 19 46 43 5055.87 28.95 222.14 62.65 82.20 21 10 59 4455.9 27.57 213.60
 110.00 9 13 30 2126.34 -32.16 30.84 60.37 102.27 9 48 56 1526.3 -30.13 22.21
 110.00 20 56 21 4837.95 33.02 204.87 61.93 80.62 22 16 59 4237.9 31.37 196.04

DIFFERENTIAL CORRECTIONS
 TDE .5849 TRA-1.4167 TC3 -.1014 BAU .1651 SGT 843.7 SGR 454.2 SG3 36.9 ST 384.4 SR 402.9 SS 356.5
 RDE -.7488 RRA -.3910 RC3 .0318 FAU .01481 RRT .0466 RRF -.0440 RTF -.6501 CRT -.7081 CRS -.8082 CST .9866
 FDE -.3374 FRA .5756 FC3 -.1103 BSP 2223 SGB 958.2 R23 -.0014 R13 -.6503 LSA 621.7 MSA 224.8 SSA 14.1
 BDE .9502 BRA 1.4697 BC3 .1063 FSP -78 SG1 844.1 SG2 453.5 THA 2.02 EL1 514.7 EL2 212.5 ALF 133.10

LAUNCH DATE MAY 25 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 20.204 GAL 10.65 AZL 92.79 HCA 56.52 SMA 98.77 ECC .55639 INC 2.7888 V1 29.406
 RP 108.93 LAP -2.33 LOP 299.61 VP 33.061 GAP -33.35 AZP 91.54 TAL 171.25 TAP 227.77 RCA 43.82 APO 153.73 V2 34.789
 RC 53.566 GL -5.43 GP 1.32 ZAL 70.43 ZAP 21.53 ETS 184.79 ZAE 155.49 ETE 158.42 ZAC 122.66 ETC 19.31 CLP 21.49

PLANETOCENTRIC CONIC
 C3 104.260 VHL 10.211 DLA -2.12 RAL 171.23 RAD 6570.0 VEL 15.020 PTH 2.70 VHP 19.588 DPA 18.63 RAP 144.95 ECC 2.7159
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 9 2548.00 -26.02 63.74 60.10 101.60 7 36 37 1948.0 -24.15 55.57
 90.00 18 20 43 5323.59 27.48 242.04 62.11 82.87 19 49 26 4723.6 26.20 233.61
 100.00 8 14 30 2288.80 -27.49 44.33 59.75 102.24 8 52 39 1688.8 -25.52 36.08
 100.00 19 43 2 5058.03 28.97 222.29 61.89 82.28 21 7 20 4458.0 27.60 213.76
 110.00 9 20 29 2082.26 -31.47 27.59 58.68 104.09 9 55 11 1482.3 -29.22 19.11
 110.00 20 53 33 4837.33 33.01 204.83 61.18 80.59 22 14 10 4237.3 31.36 195.99

DIFFERENTIAL CORRECTIONS
 TDE .5854 TRA-1.4088 TC3 -.1029 BAU .1521 SGT 881.9 SGR 458.1 SG3 40.2 ST 405.3 SR 405.1 SS 376.6
 RDE -.7130 RRA -.3746 RC3 .0365 FAU .01516 RRT .0477 RRF -.0458 RTF -.6696 CRT -.7094 CRS -.8117 CST .9861
 FDE -.3540 FRA .5933 FC3 -.1259 BSP 2382 SGB 993.8 R23 -.0021 R13 -.6697 LSA 646.2 MSA 228.9 SSA 14.4
 BDE .9225 BRA 1.4577 BC3 .1092 FSP -87 SG1 882.3 SG2 457.4 THA 1.94 EL1 529.7 EL2 218.4 ALF 135.02

LAUNCH DATE MAY 25 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 20.738 GAL 10.19 AZL 92.85 HCA 59.69 SMA 100.41 ECC .53131 INC 2.8485 V1 29.406
 RP 108.94 LAP -2.46 LOP 302.77 VP 33.388 GAP -31.76 AZP 91.44 TAL 170.74 TAP 230.42 RCA 47.06 APO 153.75 V2 34.786
 RC 51.953 GL -6.02 GP 1.37 ZAL 69.72 ZAP 20.02 ETS 185.12 ZAE 156.76 ETE 155.73 ZAC 121.08 ETC 18.90 CLP 19.98

PLANETOCENTRIC CONIC
 C3 93.617 VHL 9.676 DLA -2.95 RAL 171.67 RAD 6569.8 VEL 14.662 PTH 2.66 VHP 18.742 DPA 18.17 RAP 146.62 ECC 2.5407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 6 2499.08 -25.30 60.34 58.48 103.16 7 43 45 1899.1 -23.24 52.27
 90.00 18 16 17 5326.30 27.50 242.24 61.21 82.96 19 45 4 4726.3 26.24 233.80
 100.00 8 22 3 2241.13 -26.75 40.98 58.10 103.86 8 59 25 1641.1 -24.58 32.85
 100.00 19 39 1 5059.48 28.98 222.40 60.99 82.33 21 3 20 4459.5 27.62 213.86
 110.00 9 27 8 2037.39 -30.68 24.33 56.91 105.87 10 1 6 1437.4 -28.20 16.01
 110.00 20 50 25 4835.99 33.00 204.73 60.29 80.53 22 11 1 4236.0 31.34 195.89

DIFFERENTIAL CORRECTIONS
 TDE .5859 TRA-1.4002 TC3 -.1031 BAU .1392 SGT 921.7 SGR 461.3 SG3 43.8 ST 427.2 SR 406.5 SS 397.5
 RDE -.6780 RRA -.3581 RC3 .0419 FAU .01555 RRT .0490 RRF -.0478 RTF -.6883 CRT -.7109 CRS -.8153 CST .9855
 FDE -.3714 FRA .6112 FC3 -.1438 BSP 2540 SGB 1030.7 R23 -.0029 R13 -.6885 LSA 671.9 MSA 232.4 SSA 14.6
 BDE .8961 BRA 1.4453 BC3 .1113 FSP -97 SG1 922.1 SG2 460.6 THA 1.87 EL1 545.5 EL2 223.8 ALF 137.00

LAUNCH DATE MAY 25 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 167.622

RL 151.51 LAL .00 LOL 243.12 VL 21.236 GAL 9.73 AZL 92.90 HCA 62.85 SMA 102.02 ECC .50718 INC 2.9044 V1 29.406
 RP 108.94 LAP -2.58 LOP 305.94 VP 33.698 GAP -30.25 AZP 91.33 TAL 170.27 TAP 233.11 RCA 50.28 APO 153.76 V2 34.785
 RC 50.440 GL -6.64 GP 1.42 ZAL 69.09 ZAP 18.53 ETS 185.52 ZAE 158.12 ETE 152.53 ZAC 119.48 ETC 18.51 CLP 18.48

PLANETOCENTRIC CONIC

C3 84.114 VHL 9.171 DLA -3.79 RAL 172.03 RAD 6569.6 VEL 14.334 PTH 2.61 VHP 17.927 DPA 17.70 RAP 148.29 ECC 2.3843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 44 2449.37 -24.49 56.92 56.78 104.68 7 50 34 1849.4 -22.23 48.98
 90.00 18 11 30 5328.44 27.52 242.39 60.17 83.04 19 40 18 4728.4 26.27 233.95
 100.00 8 29 19 2192.69 -25.92 37.62 56.35 105.44 9 5 51 1592.7 -23.55 29.62
 100.00 19 34 37 5060.36 28.99 222.46 59.96 82.37 20 58 57 4460.4 27.63 213.92
 110.00 9 33 29 1991.76 -29.79 21.07 55.06 107.60 10 6 41 1391.8 -27.09 12.92
 110.00 20 46 55 4834.05 32.98 204.58 59.25 80.45 22 7 29 4234.0 31.31 195.75

DIFFERENTIAL CORRECTIONS

TDE .5848 TRA-1.3925 TC3 -.1027 BAU .1273
 RDE -.6436 RRA -.3416 RC3 .0478 FAU .01597
 FDE -.3896 FRA .6293 FC3 -.1643 BSP 2655
 BDE .8696 BRA 1.4338 BC3 .1132 FSP -107

MID-COURSE EXECUTION ACCURACY

SGT 963.8 SGR 463.8 SG3 47.7
 RRT .0517 RRF -.0501 RTF -.7053
 SGB 1069.6 R23 -.0027 R13 -.7054
 SG1 964.2 SG2 463.0 THA 1.85

ORBIT DETERMINATION ACCURACY

ST 449.3 SR 407.2 SS 419.3
 CRT -.7112 CRS -.8188 CST .9847
 LSA 698.4 MSA 235.8 SSA 14.8
 EL1 561.4 EL2 229.1 ALF 138.95

LAUNCH DATE MAY 25 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 173.996

RL 151.51 LAL .00 LOL 243.12 VL 21.699 GAL 9.27 AZL 92.96 HCA 66.01 SMA 103.60 ECC .48403 INC 2.9572 V1 29.406
 RP 108.94 LAP -2.70 LOP 309.10 VP 33.991 GAP -28.81 AZP 91.20 TAL 169.83 TAP 235.83 RCA 53.46 APO 153.75 V2 34.784
 RC 49.035 GL -7.30 GP 1.48 ZAL 68.54 ZAP 17.04 ETS 186.02 ZAE 159.55 ETE 148.69 ZAC 117.87 ETC 18.14 CLP 16.98

PLANETOCENTRIC CONIC

C3 75.627 VHL 8.696 DLA -4.62 RAL 172.30 RAD 6569.5 VEL 14.035 PTH 2.56 VHP 17.142 DPA 17.22 RAP 149.96 ECC 2.2446
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 5 2398.92 -23.57 53.51 55.00 106.16 7 57 4 1798.9 -21.13 45.69
 90.00 18 6 18 5330.17 27.53 242.52 59.00 83.10 19 35 9 4730.2 26.29 234.07
 100.00 8 36 16 2143.52 -24.98 34.27 54.54 106.97 9 11 59 1543.5 -22.42 26.41
 100.00 19 29 49 5060.80 28.99 222.49 58.79 82.38 20 54 10 4460.8 27.64 213.95
 110.00 9 39 32 1945.45 -28.79 17.84 53.14 109.28 10 11 57 1345.5 -25.89 9.86
 110.00 20 43 3 4831.63 32.95 204.40 58.09 80.34 22 3 34 4231.6 31.27 195.58

DIFFERENTIAL CORRECTIONS

TDE .5859 TRA-1.3816 TC3 -.0995 BAU .1146
 RDE -.6099 RRA -.3253 RC3 .0544 FAU .01644
 FDE -.4092 FRA .6472 FC3 -.1882 BSP 2825
 BDE .8457 BRA 1.4194 BC3 .1134 FSP -118

MID-COURSE EXECUTION ACCURACY

SGT 1006.4 SGR 465.5 SG3 52.0
 RRT .0531 RRF -.0522 RTF -.7226
 SGB 1108.9 R23 -.0034 R13 -.7227
 SG1 1006.8 SG2 464.6 THA 1.79

ORBIT DETERMINATION ACCURACY

ST 473.4 SR 407.0 SS 442.5
 CRT -.7134 CRS -.8227 CST .9841
 LSA 727.0 MSA 238.0 SSA 15.0
 EL1 579.1 EL2 233.1 ALF 141.00

LAUNCH DATE MAY 25 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 180.424

RL 151.51 LAL .00 LOL 243.12 VL 22.131 GAL 8.82 AZL 93.01 HCA 69.17 SMA 105.15 ECC .46187 INC 3.0075 V1 29.406
 RP 108.94 LAP -2.81 LOP 312.26 VP 34.268 GAP -27.44 AZP 91.07 TAL 169.43 TAP 238.59 RCA 56.59 APO 153.72 V2 34.784
 RC 47.750 GL -8.00 GP 1.55 ZAL 68.08 ZAP 15.56 ETS 186.65 ZAE 161.02 ETE 144.03 ZAC 116.25 ETC 17.79 CLP 15.49

PLANETOCENTRIC CONIC

C3 68.046 VHL 8.249 DLA -5.46 RAL 172.48 RAD 6569.3 VEL 13.762 PTH 2.51 VHP 16.385 DPA 16.73 RAP 151.63 ECC 2.1199
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 9 2347.79 -22.56 50.10 53.15 107.58 8 3 17 1747.8 -19.95 42.40
 90.00 18 0 42 5331.64 27.54 242.62 57.71 83.15 19 29 33 4731.6 26.31 234.17
 100.00 8 42 55 2093.70 -23.95 30.93 52.66 108.44 9 17 49 1493.7 -21.21 23.20
 100.00 19 24 37 5060.96 28.99 222.51 57.50 82.39 20 48 58 4461.0 27.64 213.97
 110.00 9 45 15 1898.53 -27.69 14.63 51.17 110.89 10 16 54 1298.5 -24.60 6.83
 110.00 20 38 46 4828.89 32.92 204.19 56.80 80.22 21 59 15 4228.9 31.22 195.38

DIFFERENTIAL CORRECTIONS

TDE .5873 TRA-1.3696 TC3 -.0942 BAU .1025
 RDE -.5769 RRA -.3091 RC3 .0618 FAU .01697
 FDE -.4301 FRA .6652 FC3 -.2159 BSP 2994
 BDE .8233 BRA 1.4040 BC3 .1126 FSP -131

MID-COURSE EXECUTION ACCURACY

SGT 1050.6 SGR 466.4 SG3 56.8
 RRT .0547 RRF -.0545 RTF -.7391
 SGB 1149.4 R23 -.0042 R13 -.7392
 SG1 1051.0 SG2 465.5 THA 1.73

ORBIT DETERMINATION ACCURACY

ST 498.6 SR 405.9 SS 466.8
 CRT -.7161 CRS -.8267 CST .9836
 LSA 757.4 MSA 239.6 SSA 15.2
 EL1 598.0 EL2 236.3 ALF 143.07

LAUNCH DATE MAY 25 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 186.899

RL 151.51 LAL .00 LOL 243.12 VL 22.533 GAL 8.38 AZL 93.06 HCA 72.33 SMA 106.67 ECC .44070 INC 3.0557 V1 29.406
 RP 108.94 LAP -2.91 LOP 315.42 VP 34.530 GAP -26.12 AZP 90.93 TAL 169.06 TAP 241.39 RCA 59.66 APO 153.68 V2 34.785
 RC 46.594 GL -8.73 GP 1.62 ZAL 67.70 ZAP 14.09 ETS 187.46 ZAE 162.46 ETE 138.33 ZAC 114.63 ETC 17.45 CLP 14.00

PLANETOCENTRIC CONIC

C3 61.277 VHL 7.828 DLA -6.30 RAL 172.57 RAD 6569.1 VEL 13.514 PTH 2.47 VHP 15.656 DPA 16.23 RAP 153.30 ECC 2.0085
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 58 2296.04 -21.46 46.71 51.24 108.93 8 9 12 1696.0 -18.68 39.14
 90.00 17 54 39 5333.02 27.55 242.72 56.29 83.20 19 23 32 4733.0 26.33 234.27
 100.00 8 49 17 2043.29 -22.83 27.60 50.72 109.84 9 23 20 1443.3 -19.92 20.02
 100.00 19 18 59 5061.00 28.99 222.51 56.09 82.39 20 43 20 4461.0 27.64 213.97
 110.00 9 50 41 1851.08 -26.50 11.45 49.16 112.43 10 21 32 1251.1 -23.22 3.83
 110.00 20 34 4 4825.98 32.89 203.97 55.39 80.10 21 54 30 4226.0 31.17 195.16

DIFFERENTIAL CORRECTIONS

TDE .5895 TRA-1.3559 TC3 -.0861 BAU .0909
 RDE -.5448 RRA -.2932 RC3 .0699 FAU .01755
 FDE -.4526 FRA .6833 FC3 -.2480 BSP 3175
 BDE .8027 BRA 1.3873 BC3 .1109 FSP -146

MID-COURSE EXECUTION ACCURACY

SGT 1096.0 SGR 466.5 SG3 61.9
 RRT .0562 RRF -.0570 RTF -.7549
 SGB 1191.2 R23 -.0052 R13 -.7551
 SG1 1096.4 SG2 465.6 THA 1.67

ORBIT DETERMINATION ACCURACY

ST 525.3 SR 404.0 SS 492.7
 CRT -.7194 CRS -.8310 CST .9832
 LSA 789.8 MSA 240.4 SSA 15.4
 EL1 618.3 EL2 238.4 ALF 145.13

LAUNCH DATE MAY 25 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 193.418

RL 151.51 LAL .00 LOL 243.12 VL 22.907 GAL 7.95 AZL 93.10 HCA 75.49 SMA 108.15 ECC .42052 INC 3.1022 V1 29.406
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.776 GAP -24.86 AZP 90.78 TAL 168.74 TAP 244.23 RCA 62.67 APO 153.63 V2 34.786
 RC 45.578 GL -9.51 GP 1.70 ZAL 67.42 ZAP 12.62 ETS 188.51 ZAE 163.82 ETE 131.34 ZAC 113.01 ETC 17.14 CLP 12.51

PLANETOCENTRIC CONIC

C3 55.234 VHL 7.432 DLA -7.15 RAL 172.57 RAD 6569.0 VEL 13.289 PTH 2.43 VHP 14.952 DPA 15.73 RAP 154.96 ECC 1.9090
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 27 2243.76 -20.27 43.34 49.28 110.21 8 14 50 1643.8 -17.33 35.89
 90.00 17 48 7 5334.51 27.57 242.83 54.77 83.25 19 17 2 4734.5 26.35 234.37
 100.00 8 55 22 1992.39 -21.61 24.31 48.74 111.17 9 28 34 1392.4 -18.54 16.86
 100.00 19 12 53 5061.12 29.00 222.52 54.57 82.39 20 37 14 4461.1 27.64 213.98
 110.00 9 55 48 1803.19 -25.22 8.32 47.11 113.88 10 25 51 1203.2 -21.77 .87
 110.00 20 28 57 4823.08 32.85 203.75 53.87 79.97 21 49 20 4223.1 31.12 194.95

DIFFERENTIAL CORRECTIONS

TDE .5921 TRA-1.3409 TC3 -.0748 BAU .0803
 RDE -.5135 RRA -.2775 RC3 .0789 FAU .01820
 FDE -.4768 FRA .7016 FC3 -.2853 BSP 3356
 BDE .7837 BRA 1.3693 BC3 .1088 FSP -161

MID-COURSE EXECUTION ACCURACY

SGT 1142.9 SGR 465.8 SG3 67.6
 RRT .0581 RRF -.0597 RTF -.7701
 SGB 1234.1 R23 -.0061 R13 -.7702
 SG1 1143.3 SG2 464.8 THA 1.62

ORBIT DETERMINATION ACCURACY

ST 553.2 SR 401.1 SS 520.0
 CRT -.7232 CRS -.8354 CST .9828
 LSA 824.2 MSA 240.4 SSA 15.6
 EL1 640.0 EL2 239.5 ALF 147.17

LAUNCH DATE MAY 25 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 199.975

RL 151.51 LAL .00 LOL 243.12 VL 23.255 GAL 7.53 AZL 93.15 HCA 78.65 SMA 109.58 ECC .40133 INC 3.1475 V1 29.406
 RP 108.93 LAP -3.09 LOP 321.75 VP 35.009 GAP -23.66 AZP 90.62 TAL 168.47 TAP 247.12 RCA 65.60 APO 153.56 V2 34.788
 RC 44.711 GL -10.33 GP 1.79 ZAL 67.23 ZAP 11.15 ETS 189.90 ZAE 164.99 ETE 122.85 ZAC 111.38 ETC 16.84 CLP 11.01

PLANETOCENTRIC CONIC

C3 49.842 VHL 7.060 DLA -8.00 RAL 172.47 RAD 6568.8 VEL 13.085 PTH 2.39 VHP 14.274 DPA 15.23 RAP 156.61 ECC 1.8203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 41 2191.04 -18.99 40.00 47.28 111.41 8 20 12 1591.0 -15.91 32.67
 90.00 17 41 6 5336.29 27.58 242.96 53.15 83.32 19 10 2 4736.3 26.37 234.50
 100.00 9 1 10 1941.08 -20.32 21.05 46.72 112.41 9 33 31 1341.1 -17.10 13.73
 100.00 19 6 18 5061.48 29.00 222.54 52.95 82.41 20 30 40 4461.5 27.64 214.00
 110.00 10 0 36 1754.98 -23.85 5.24 45.03 115.24 10 29 51 1155.0 -20.25 357.95
 110.00 20 23 21 4820.34 32.82 203.54 52.25 79.85 21 43 42 4220.3 31.07 194.76

DIFFERENTIAL CORRECTIONS

TDE .5950 TRA-1.3246 TC3 -.0602 BAU .0715
 RDE -.4830 RRA -.2623 RC3 .0888 FAU .01892
 FDE -.5031 FRA .7201 FC3 -.3286 BSP 3539
 BDE .7664 BRA 1.3504 BC3 .1073 FSP -179

MID-COURSE EXECUTION ACCURACY

SGT 1191.2 SGR 464.3 SG3 73.8
 RRT .0604 RRF -.0629 RTF -.7843
 SGB 1278.5 R23 -.0071 R13 -.7844
 SG1 1191.6 SG2 463.3 THA 1.59

ORBIT DETERMINATION ACCURACY

ST 582.5 SR 397.2 SS 549.1
 CRT -.7273 CRS -.8400 CST .9824
 LSA 860.8 MSA 239.8 SSA 15.7
 EL1 663.1 EL2 239.5 ALF 149.17

LAUNCH DATE MAY 25 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 206.566

RL 151.51 LAL .00 LOL 243.12 VL 23.579 GAL 7.12 AZL 93.19 HCA 81.81 SMA 110.97 ECC .38311 INC 3.1917 V1 29.406
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.227 GAP -22.50 AZP 90.45 TAL 168.24 TAP 250.05 RCA 68.46 APO 153.49 V2 34.791
 RC 44.000 GL -11.19 GP 1.88 ZAL 67.13 ZAP 9.69 ETS 191.79 ZAE 165.86 ETE 112.80 ZAC 109.76 ETC 16.55 CLP 9.51

PLANETOCENTRIC CONIC

C3 45.035 VHL 6.711 DLA -8.86 RAL 172.28 RAD 6568.7 VEL 12.900 PTH 2.35 VHP 13.620 DPA 14.73 RAP 158.25 ECC 1.7412
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 41 2137.96 -17.64 36.69 45.26 112.52 8 25 19 1538.0 -14.43 29.48
 90.00 17 33 34 5338.57 27.60 243.12 51.43 83.40 19 2 32 4738.6 26.40 234.66
 100.00 9 6 42 1889.46 -18.94 17.83 44.67 113.56 9 38 12 1289.5 -15.60 10.64
 100.00 18 59 13 5062.30 29.01 222.60 51.23 82.44 20 23 35 4462.3 27.66 214.06
 110.00 10 5 7 1706.56 -22.41 2.22 42.94 116.51 10 33 33 1106.6 -18.67 355.09
 110.00 20 17 18 4817.97 32.79 203.36 50.54 79.75 21 37 36 4218.0 31.03 194.58

DIFFERENTIAL CORRECTIONS

TDE .5988 TRA-1.3064 TC3 -.0413 BAU .0649
 RDE -.4533 RRA -.2474 RC3 .0995 FAU .01971
 FDE -.5319 FRA .7387 FC3 -.3790 BSP 3727
 BDE .7511 BRA 1.3296 BC3 .1078 FSP -199

MID-COURSE EXECUTION ACCURACY

SGT 1240.5 SGR 461.9 SG3 80.7
 RRT .0629 RRF -.0664 RTF -.7979
 SGB 1323.7 R23 -.0082 R13 -.7980
 SG1 1240.9 SG2 460.9 THA 1.56

ORBIT DETERMINATION ACCURACY

ST 613.3 SR 392.4 SS 580.2
 CRT -.7322 CRS -.8448 CST .9822
 LSA 899.8 MSA 238.2 SSA 15.9
 EL1 688.0 EL2 238.2 ALF 151.11

LAUNCH DATE MAY 25 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 213.187

RL 151.51 LAL .00 LOL 243.12 VL 23.880 GAL 6.73 AZL 93.24 HCA 84.98 SMA 112.31 ECC .36586 INC 3.2353 V1 29.406
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.433 GAP -21.39 AZP 90.28 TAL 168.05 TAP 253.03 RCA 71.22 APO 153.41 V2 34.795
 RC 43.455 GL -12.10 GP 1.99 ZAL 67.12 ZAP 8.24 ETS 194.47 ZAE 166.30 ETE 101.49 ZAC 108.34 ETC 16.28 CLP 8.00

PLANETOCENTRIC CONIC

C3 40.752 VHL 6.384 DLA -9.73 RAL 171.99 RAD 6568.6 VEL 12.733 PTH 2.31 VHP 12.989 DPA 14.23 RAP 159.87 ECC 1.6707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 25 2084.63 -16.22 33.42 43.20 113.53 8 30 10 1484.6 -12.90 26.31
 90.00 17 25 29 5341.55 27.62 243.34 49.64 83.50 18 54 30 4741.6 26.43 234.87
 100.00 9 11 58 1837.65 -17.50 14.66 42.60 114.63 9 42 36 1237.7 -14.04 7.58
 100.00 18 51 37 5063.76 29.02 222.71 49.44 82.49 20 16 1 4463.8 27.68 214.16
 110.00 10 9 20 1658.05 -20.91 359.26 40.83 117.68 10 36 58 1058.0 -17.04 352.27
 110.00 20 10 45 4816.13 32.77 203.22 48.75 79.67 21 31 1 4216.1 31.00 194.45

DIFFERENTIAL CORRECTIONS

TDE .6011 TRA-1.2892 TC3 -.0200 BAU .0616
 RDE -.4246 RRA -.2331 RC3 .1113 FAU .02058
 FDE -.5629 FRA .7582 FC3 -.4372 BSP 3861
 BDE .7360 BRA 1.3101 BC3 .1130 FSP -219

MID-COURSE EXECUTION ACCURACY

SGT 1292.2 SGR 458.8 SG3 88.3
 RRT .0673 RRF -.0710 RTF -.8096
 SGB 1371.2 R23 -.0087 R13 -.8098
 SG1 1292.6 SG2 457.6 THA 1.57

ORBIT DETERMINATION ACCURACY

ST 644.3 SR 386.4 SS 613.1
 CRT -.7358 CRS -.8493 CST .9816
 LSA 940.3 MSA 236.6 SSA 16.1
 EL1 713.1 EL2 236.4 ALF 152.98

LAUNCH DATE MAY 25 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 219.832

RL 151.51 LAL .00 LOL 243.12 VL 24.159 GAL 6.34 AZL 93.28 HCA 88.14 SMA 113.61 ECC .34955 INC 3.2784 V1 29.406
 RP 108.90 LAP -3.28 LOP 331.25 VP 35.626 GAP -20.33 AZP 90.11 TAL 167.92 TAP 256.06 RCA 73.90 APO 153.32 V2 34.799
 RC 43.079 GL -13.06 GP 2.10 ZAL 67.21 ZAP 6.80 ETS 198.45 ZAE 166.23 ETE 89.64 ZAC 106.54 ETC 16.02 CLP 6.47

PLANETOCENTRIC CONIC

C3 36.941 VHL 6.078 DLA -10.60 RAL 171.59 RAD 6568.4 VEL 12.582 PTH 2.28 VHP 12.381 DPA 13.74 RAP 161.49 ECC 1.6080
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 56 2031.14 -14.74 30.19 41.13 114.46 8 34 47 1431.1 -11.31 23.18
 90.00 17 16 50 5345.42 27.65 243.62 47.76 83.64 18 45 56 4745.4 26.48 235.14
 100.00 9 16 59 1785.75 -16.00 11.53 40.52 115.59 9 46 45 1185.8 -12.43 4.57
 100.00 18 43 28 5066.04 29.04 222.88 47.57 82.58 20 7 54 4466.0 27.71 214.33
 110.00 10 13 15 1609.59 -19.35 356.37 38.72 118.75 10 40 5 1009.6 -15.36 349.51
 110.00 20 3 41 4814.99 32.75 203.14 46.90 79.62 21 23 56 4215.0 30.98 194.37

DIFFERENTIAL CORRECTIONS

TDE .6065 TRA-1.2678 TC3 .0086 BAU .0614
 RDE -.3968 RRA -.2192 RC3 .1240 FAU .02157
 FDE -.5977 FRA .7774 FC3 -.5055 BSP 4055
 BDE .7247 BRA 1.2866 BC3 .1242 FSP -243

MID-COURSE EXECUTION ACCURACY

SGT 1343.6 SGR 454.8 SG3 96.6
 RRT .0710 RRF -.0759 RTF -.8219
 SGB 1418.5 R23 -.0101 R13 -.8220
 SG1 1344.0 SG2 453.5 THA 1.55

ORBIT DETERMINATION ACCURACY

ST 678.2 SR 379.3 SS 648.7
 CRT -.7418 CRS -.8543 CST .9816
 LSA 984.8 MSA 233.6 SSA 16.2
 EL1 741.4 EL2 232.7 ALF 154.81

LAUNCH DATE MAY 25 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 226.499

RL 151.51 LAL .00 LOL 243.12 VL 24.419 GAL 5.97 AZL 93.32 HCA 91.30 SMA 114.85 ECC .33416 INC 3.3214 V1 29.406
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.807 GAP -19.30 AZP 89.92 TAL 167.83 TAP 259.13 RCA 76.47 APO 153.22 V2 34.804
 RC 42.876 GL -14.06 GP 2.23 ZAL 67.40 ZAP 5.41 ETS 204.75 ZAE 165.64 ETE 78.22 ZAC 104.94 ETC 15.78 CLP 4.93

PLANETOCENTRIC CONIC

C3 33.554 VHL 5.793 DLA -11.48 RAL 171.10 RAD 6568.3 VEL 12.447 PTH 2.25 VHP 11.794 DPA 13.25 RAP 163.08 ECC 1.5522
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 13 1977.60 -13.20 27.01 39.05 115.28 8 39 11 1377.6 -9.69 20.09
 90.00 17 7 37 5350.39 27.69 243.97 45.83 83.82 18 36 47 4750.4 26.54 235.50
 100.00 9 21 46 1733.87 -14.45 8.46 38.43 116.45 9 50 40 1133.9 -10.79 1.59
 100.00 18 34 45 5069.35 29.07 223.12 45.64 82.70 19 59 14 4469.3 27.75 214.56
 110.00 10 16 53 1561.25 -17.74 353.54 36.60 119.71 10 42 55 961.2 -13.65 346.81
 110.00 19 56 7 4814.74 32.75 203.12 44.98 79.61 21 16 22 4214.7 30.97 194.35

DIFFERENTIAL CORRECTIONS

TDE .6126 TRA-1.2451 TC3 .0426 BAU .0646
 RDE -.3698 RRA -.2060 RC3 .1376 FAU .02267
 FDE -.6361 FRA .7972 FC3 -.5848 BSP 4244
 BDE .7156 BRA 1.2620 BC3 .1441 FSP -270

MID-COURSE EXECUTION ACCURACY

SGT 1396.0 SGR 449.9 SG3 105.9
 RRT .0756 RRF -.0819 RTF -.8333
 SGB 1466.7 R23 -.0117 R13 -.8334
 SG1 1396.5 SG2 448.5 THA 1.56

ORBIT DETERMINATION ACCURACY

ST 713.7 SR 371.1 SS 687.0
 CRT -.7481 CRS -.8593 CST .9816
 LSA 1032.4 MSA 230.0 SSA 16.4
 EL1 771.5 EL2 227.8 ALF 156.58

LAUNCH DATE MAY 25 1967

FLIGHT TIME 98.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 233.183

RL 151.51 LAL .00 LOL 243.12 VL 24.659 GAL 5.62 AZL 93.36 HCA 94.47 SMA 116.03 ECC .31967 INC 3.3646 V1 29.406
 RP 108.87 LAP -3.35 LOP 337.59 VP 35.977 GAP -18.32 AZP 89.74 TAL 167.79 TAP 262.25 RCA 78.94 APO 153.12 V2 34.809
 RC 42.849 GL -15.11 GP 2.38 ZAL 67.68 ZAP 4.12 ETS 215.57 ZAE 164.58 ETE 68.01 ZAC 103.36 ETC 15.55 CLP 3.36

PLANETOCENTRIC CONIC

C3 30.547 VHL 5.527 DLA -12.37 RAL 170.50 RAD 6568.2 VEL 12.326 PTH 2.22 VHP 11.229 DPA 12.78 RAP 164.65 ECC 1.5027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 19 1924.11 -11.63 23.87 36.97 116.00 8 43 23 1324.1 -8.04 17.03
 90.00 16 57 47 5356.63 27.73 244.43 43.84 84.04 18 27 3 4756.6 26.62 235.94
 100.00 9 26 19 1682.13 -12.86 5.44 36.33 117.22 9 54 21 1082.1 -9.11 358.66
 100.00 18 25 28 5073.84 29.11 223.45 43.66 82.87 19 50 2 4473.8 27.81 214.88
 110.00 10 20 15 1513.21 -16.10 350.78 34.49 120.57 10 45 28 913.2 -11.92 344.17
 110.00 19 48 1 4815.52 32.76 203.18 43.01 79.64 21 8 17 4215.5 30.98 194.41

DIFFERENTIAL CORRECTIONS

TDE .6197 TRA-1.2208 TC3 .0826 BAU .0707
 RDE -.3437 RRA -.1934 RC3 .1523 FAU .02388
 FDE -.6788 FRA .8174 FC3 -.6769 BSP 4435
 BDE .7086 BRA 1.2360 BC3 .1732 FSP -299

MID-COURSE EXECUTION ACCURACY

SGT 1449.0 SGR 444.3 SG3 116.2
 RRT .0813 RRF -.0891 RTF -.8440
 SGB 1515.6 R23 -.0134 R13 -.8442
 SG1 1449.5 SG2 442.7 THA 1.58

ORBIT DETERMINATION ACCURACY

ST 750.8 SR 361.6 SS 728.2
 CRT -.7548 CRS -.8643 CST .9817
 LSA 1083.3 MSA 225.7 SSA 16.5
 EL1 803.3 EL2 221.7 ALF 158.28

LAUNCH DATE MAY 25 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 239.880

RL 151.51 LAL .00 LOL 243.12 VL 24.883 GAL 5.28 AZL 93.41 HCA 97.63 SMA 117.16 ECC .30606 INC 3.4081 V1 29.406
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.137 GAP -17.37 AZP 89.55 TAL 167.79 TAP 265.42 RCA 81.30 APO 153.02 V2 34.815
 RC 42.995 GL -16.20 GP 2.54 ZAL 68.06 ZAP 3.09 ETS 235.38 ZAE 163.16 ETE 59.38 ZAC 101.80 ETC 15.33 CLP 1.77

PLANETOCENTRIC CONIC

C3 27.883 VHL 5.280 DLA -13.26 RAL 169.81 RAD 6568.1 VEL 12.217 PTH 2.20 VHP 10.684 DPA 12.33 RAP 166.20 ECC 1.4589
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 13 1870.75 -10.02 20.78 34.88 116.62 8 47 24 1270.8 -6.36 14.00
 90.00 16 47 20 5364.33 27.79 244.98 41.81 84.31 18 16 44 4764.3 26.71 236.48
 100.00 9 30 39 1630.62 -11.24 2.48 34.24 117.88 9 57 49 1030.6 -7.42 355.77
 100.00 18 15 36 5079.69 29.16 223.88 41.64 83.09 19 40 15 4479.7 27.89 215.30
 110.00 10 23 20 1465.59 -14.43 348.10 32.38 121.33 10 47 46 865.6 -10.18 341.58
 110.00 19 39 23 4817.49 32.78 203.32 41.00 79.73 20 59 41 4217.5 31.02 194.55

DIFFERENTIAL CORRECTIONS

TDE .6279 TRA-1.1944 TC3 .1296 BAU .0790
 RDE -.3185 RRA -.1814 RC3 .1679 FAU .02525
 FDE -.7267 FRA .8380 FC3 -.7841 BSP 4632
 BDE .7040 BRA 1.2081 BC3 .2121 FSP -333

MID-COURSE EXECUTION ACCURACY

SGT 1501.9 SGR 437.9 SG3 127.6
 RRT .0884 RRF -.0979 RTF -.8542
 SGB 1564.4 R23 -.0155 R13 -.8544
 SG1 1502.5 SG2 436.0 THA 1.61

ORBIT DETERMINATION ACCURACY

ST 789.8 SR 350.9 SS 772.8
 CRT -.7620 CRS -.8692 CST .9819
 LSA 1138.0 MSA 220.8 SSA 16.6
 EL1 837.2 EL2 214.3 ALF 159.93

LAUNCH DATE MAY 25 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 246.588

RL 151.51 LAL .00 LOL 243.12 VL 25.089 GAL 4.95 AZL 93.45 HCA 100.80 SMA 118.24 ECC .29331 INC 3.4523 V1 29.406
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.286 GAP -16.45 AZP 89.35 TAL 167.84 TAP 268.64 RCA 83.56 APO 152.92 V2 34.822
 RC 43.312 GL -17.33 GP 2.72 ZAL 68.53 ZAP 2.72 ETS 267.16 ZAE 161.51 ETE 52.32 ZAC 100.27 ETC 15.13 CLP .14

PLANETOCENTRIC CONIC

C3 25.527 VHL 5.052 DLA -14.16 RAL 169.02 RAD 6568.0 VEL 12.120 PTH 2.17 VHP 10.158 DPA 11.90 RAP 167.73 ECC 1.4201
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 58 1817.63 -8.38 17.73 32.80 117.15 8 51 15 1217.6 -4.67 11.01
 90.00 16 36 16 5373.64 27.85 245.66 39.75 84.64 18 5 50 4773.6 26.81 237.14
 100.00 9 34 47 1579.45 -9.60 359.57 32.15 118.45 10 1 6 979.5 -5.72 352.92
 100.00 18 5 8 5087.04 29.21 224.41 39.59 83.37 19 29 55 4487.0 27.99 215.82
 110.00 10 26 10 1418.50 -12.75 345.49 30.28 121.99 10 49 49 818.5 -8.43 339.05
 110.00 19 30 14 4820.76 32.82 203.57 38.97 79.87 20 50 35 4220.8 31.08 194.79

DIFFERENTIAL CORRECTIONS

TDE .6381 TRA-1.1651 TC3 .1860 BAU .0894
 RDE -.2940 RRA -.1702 RC3 .1845 FAU .02681
 FDE -.7810 FRA .8586 FC3 -.9093 BSP 4071
 BDE .7026 BRA 1.1775 BC3 .2619 FSP -372

MID-COURSE EXECUTION ACCURACY

SGT 1554.3 SGR 430.7 SG3 140.3
 RRT .0970 RRF -.1084 RTF -.8645
 SGB 1612.9 R23 -.0177 R13 -.8646
 SG1 1554.9 SG2 428.5 THA 1.67

ORBIT DETERMINATION ACCURACY

ST 831.2 SR 338.7 SS 821.4
 CRT -.7701 CRS -.8742 CST .9824
 LSA 1197.4 MSA 215.1 SSA 16.7
 EL1 873.7 EL2 205.6 ALF 161.52

LAUNCH DATE MAY 25 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 253.302

RL 151.51 LAL .00 LOL 243.12 VL 25.280 GAL 4.64 AZL 93.50 HCA 103.97 SMA 119.26 ECC .28137 INC 3.4974 V1 29.406
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.425 GAP -15.57 AZP 89.15 TAL 167.94 TAP 271.91 RCA 85.71 APO 152.82 V2 34.830
 RC 43.796 GL -18.51 GP 2.92 ZAL 69.09 ZAP 3.29 ETS 297.58 ZAE 159.73 ETE 46.62 ZAC 98.76 ETC 14.93 CLP -1.52

PLANETOCENTRIC CONIC

C3 23.448 VHL 4.842 DLA -15.06 RAL 168.13 RAD 6568.0 VEL 12.034 PTH 2.15 VHP 9.652 DPA 11.50 RAP 169.22 ECC 1.3859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 35 1764.80 -6.73 14.73 30.74 117.57 8 55 0 1164.8 -2.98 8.05
 90.00 16 24 34 5384.74 27.92 246.46 37.67 85.04 17 54 19 4784.7 26.93 237.93
 100.00 9 38 45 1528.72 -7.94 356.72 30.08 118.91 10 4 14 928.7 -4.02 350.12
 100.00 17 54 5 5096.05 29.28 225.07 37.52 83.71 19 19 1 4496.1 28.10 216.47
 110.00 10 28 46 1372.07 -11.06 342.95 28.20 122.55 10 51 38 772.1 -6.69 336.59
 110.00 19 20 33 4825.47 32.88 203.93 36.92 80.07 20 40 59 4225.5 31.16 195.13

DIFFERENTIAL CORRECTIONS

TDE .6496 TRA-1.1353 TC3 .2479 BAU .1002
 RDE -.2702 RRA -.1597 RC3 .2019 FAU .02852
 FDE -.8414 FRA .8806 FC3-1.0530 BSP 5066
 BDE .7036 BRA 1.1465 BC3 .3197 FSP -414

MID-COURSE EXECUTION ACCURACY

SGT 1607.4 SGR 422.8 SG3 154.4
 RRT .1079 RRF -.1219 RTF -.8739
 SGB 1662.1 R23 -.0208 R13 -.8741
 SG1 1608.1 SG2 420.1 THA 1.75

ORBIT DETERMINATION ACCURACY

ST 874.7 SR 325.1 SS 873.4
 CRT -.7779 CRS -.8785 CST .9831
 LSA 1260.9 MSA 209.1 SSA 16.7
 EL1 912.4 EL2 195.9 ALF 163.07

LAUNCH DATE MAY 25 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 260.020

RL 151.51 LAL .00 LOL 243.12 VL 25.457 GAL 4.34 AZL 93.54 HCA 107.14 SMA 120.23 ECC .27024 INC 3.5438 V1 29.406
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.556 GAP -14.72 AZP 88.95 TAL 168.08 TAP 275.22 RCA 87.74 APO 152.72 V2 34.838
 RC 44.440 GL -19.72 GP 3.15 ZAL 69.73 ZAP 4.51 ETS 315.73 ZAE 157.92 ETE 42.04 ZAC 97.29 ETC 14.74 CLP -3.23

PLANETOCENTRIC CONIC

C3 21.618 VHL 4.650 DLA -15.97 RAL 167.15 RAD 6567.9 VEL 11.958 PTH 2.13 VHP 9.165 DPA 11.13 RAP 170.69 ECC 1.3558
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 30 6 1712.34 -5.06 11.77 28.70 117.90 8 58 39 1112.3 -1.29 5.12
 90.00 16 12 14 5397.76 27.99 247.41 35.58 85.51 17 42 11 4797.8 27.07 238.86
 100.00 9 42 35 1478.50 -6.28 353.92 28.03 119.29 10 7 13 878.5 -2.33 347.36
 100.00 17 42 26 5106.83 29.36 225.87 35.44 84.12 19 7 33 4506.8 28.24 217.24
 110.00 10 31 8 1326.39 -9.38 340.49 26.14 123.02 10 53 15 726.4 -4.96 334.18
 110.00 19 10 22 4831.70 32.95 204.40 34.86 80.34 20 30 54 4231.7 31.27 195.58

DIFFERENTIAL CORRECTIONS

TDE .6610 TRA-1.1050 TC3 .3144 BAU .1110
 RDE -.2471 RRA -.1500 RC3 .2203 FAU .03044
 FDE -.9099 FRA .9033 FC3-1.2190 BSP 5257
 BDE .7056 BRA 1.1151 BC3 .3839 FSP -461

MID-COURSE EXECUTION ACCURACY

SGT 1659.8 SGR 414.3 SG3 170.2
 RRT .1223 RRF -.1388 RTF -.8820
 SGB 1710.7 R23 -.0241 R13 -.8822
 SG1 1660.6 SG2 411.0 THA 1.86

ORBIT DETERMINATION ACCURACY

ST 918.7 SR 310.0 SS 929.9
 CRT -.7847 CRS -.8824 CST .9836
 LSA 1327.9 MSA 203.2 SSA 16.7
 EL1 951.7 EL2 185.5 ALF 164.57

LAUNCH DATE MAY 25 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 266.739

RL 151.51 LAL .00 LOL 243.12 VL 25.619 GAL 4.06 AZL 93.59 HCA 110.31 SMA 121.14 ECC .25988 INC 3.5919 V1 29.406
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.677 GAP -13.90 AZP 88.75 TAL 168.26 TAP 278.57 RCA 89.66 APO 152.63 V2 34.846
 RC 45.237 GL -20.97 GP 3.40 ZAL 70.45 ZAP 6.03 ETS 325.63 ZAE 156.13 ETE 38.37 ZAC 95.86 ETC 14.56 CLP -4.98

PLANETOCENTRIC CONIC

C3 20.013 VHL 4.474 DLA -16.88 RAL 166.09 RAD 6567.8 VEL 11.891 PTH 2.11 VHP 8.696 DPA 10.80 RAP 172.11 ECC 1.3294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 35 1660.27 -3.40 8.85 26.68 118.13 9 2 15 1060.3 .39 2.22
 90.00 15 59 15 5412.83 28.06 248.50 33.48 86.06 17 29 28 4812.8 27.22 239.94
 100.00 9 46 18 1428.85 -4.61 351.17 26.01 119.57 10 10 7 828.8 -.64 344.63
 100.00 17 30 13 5119.49 29.45 226.80 33.36 84.60 18 55 33 4519.5 28.39 218.15
 110.00 10 33 19 1281.55 -7.70 338.09 24.11 123.41 10 54 41 681.6 -3.26 331.83
 110.00 18 59 41 4839.54 33.04 205.00 32.81 80.69 20 20 21 4239.5 31.40 196.15

DIFFERENTIAL CORRECTIONS

TDE .6730 TRA-1.0732 TC3 .3874 BAU .1219
 RDE -.2245 RRA -.1411 RC3 .2396 FAU .03258
 FDE -.9873 FRA .9271 FC3-1.4094 BSP 5432
 BDE .7094 BRA 1.0824 BC3 .4555 FSP -513

MID-COURSE EXECUTION ACCURACY

SGT 1710.6 SGR 405.3 SG3 187.9
 RRT .1410 RRF -.1600 RTF -.8896
 SGB 1758.0 R23 -.0276 R13 -.8899
 SG1 1711.6 SG2 401.0 THA 2.02

ORBIT DETERMINATION ACCURACY

ST 963.7 SR 293.1 SS 990.8
 CRT -.7907 CRS -.8854 CST .9842
 LSA 1399.0 MSA 197.3 SSA 16.6
 EL1 992.1 EL2 174.3 ALF 166.04

LAUNCH DATE MAY 25 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 273.457

RL 151.51 LAL .00 LOL 243.12 VL 25.769 GAL 3.79 AZL 93.64 HCA 113.48 SMA 122.00 ECC .25025 INC 3.6420 V1 29.406
 RP 108.72 LAP -3.34 LOP 356.64 VP 36.791 GAP -13.10 AZP 88.55 TAL 168.48 TAP 281.96 RCA 91.47 APO 152.53 V2 34.856
 RC 46.178 GL -22.25 GP 3.69 ZAL 71.24 ZAP 7.73 ETS 331.41 ZAE 154.42 ETE 35.43 ZAC 94.47 ETC 14.39 CLP -6.80

PLANETOCENTRIC CONIC

C3 18.609 VHL 4.314 DLA -17.78 RAL 164.94 RAD 6567.8 VEL 11.832 PTH 2.10 VHP 8.245 DPA 10.53 RAP 173.49 ECC 1.3063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 39 4 1608.59 -1.74 5.96 24.70 118.27 9 5 52 1008.6 2.06 359.34
 90.00 15 45 39 5430.11 28.14 249.76 31.40 86.68 17 16 9 4830.1 27.38 241.18
 100.00 9 49 58 1379.80 -2.96 348.46 24.02 119.76 10 12 58 779.8 1.02 341.94
 100.00 17 17 25 5134.14 29.53 227.88 31.29 85.17 18 43 0 4534.1 28.55 219.21
 110.00 10 35 20 1237.65 -6.05 335.77 22.10 123.71 10 55 58 637.6 -1.58 329.53
 110.00 18 48 33 4849.06 33.14 205.72 30.78 81.10 20 9 22 4249.1 31.56 196.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6866 TRA-1.0397 TC3 .4667 BAU .1329 SGT 1759.8 SGR 396.0 SG3 207.7 ST 1010.5 SR 274.3 SS 1057.3
 RDE -.2022 RRA -.1331 RC3 .2598 FAU .03500 RRT .1644 RRF -.1865 RTF -.8969 CRT -.7957 CRS -.8874 CST .9849
 FDE-1.0760 FRA .9516 FC3-1.6282 BSP 5616 SGB 1803.8 R23 -.0318 R13 -.8972 LSA 1475.6 MSA 191.4 SSA 16.5
 BDE .7157 BRA 1.0482 BC3 .5341 FSP -574 SG1 1761.1 SG2 390.3 THA 2.23 EL1 1034.4 EL2 162.3 ALF 167.50

LAUNCH DATE MAY 25 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 280.171

RL 151.51 LAL .08 LOL 243.12 VL 25.907 GAL 3.54 AZL 93.69 HCA 116.66 SMA 122.80 ECC .24134 INC 3.6946 V1 29.406
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.896 GAP -12.34 AZP 88.34 TAL 168.73 TAP 285.39 RCA 93.17 APO 152.44 V2 34.865
 RC 47.255 GL -23.55 GP 4.02 ZAL 72.08 ZAP 9.56 ETS 335.02 ZAE 152.84 ETE 33.09 ZAC 93.14 ETC 14.23 CLP -8.68

PLANETOCENTRIC CONIC

C3 17.387 VHL 4.170 DLA -18.69 RAL 163.73 RAD 6567.7 VEL 11.780 PTH 2.08 VHP 7.812 DPA 10.31 RAP 174.83 ECC 1.2862
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 37 1557.30 -.08 3.10 22.77 118.32 9 9 34 957.3 3.70 356.47
 90.00 15 31 24 5449.75 28.21 251.20 29.35 87.40 17 2 14 4849.7 27.55 242.59
 100.00 9 53 38 1331.38 -1.32 345.80 22.08 119.87 10 15 49 731.4 2.66 339.28
 100.00 17 4 4 5150.90 29.62 229.12 29.25 85.81 18 29 55 4550.9 28.73 220.43
 110.00 10 37 14 1194.72 -4.43 333.51 20.14 123.93 10 57 9 594.7 .06 327.30
 110.00 18 36 57 4860.32 33.26 206.58 28.78 81.60 19 57 57 4260.3 31.74 197.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7001 TRA-1.0059 TC3 .5478 BAU .1431 SGT 1806.4 SGR 386.6 SG3 229.8 ST 1057.0 SR 253.4 SS 1128.7
 RDE -.1800 RRA -.1260 RC3 .2810 FAU .03768 RRT .1944 RRF -.2199 RTF -.9033 CRT -.7983 CRS -.8876 CST .9855
 FDE-1.1763 FRA .9779 FC3-1.8763 BSP 5768 SGB 1847.3 R23 -.0369 R13 -.9036 LSA 1555.8 MSA 185.8 SSA 16.3
 BDE .7229 BRA 1.0138 BC3 .6157 FSP -640 SG1 1808.0 SG2 378.9 THA 2.49 EL1 1076.5 EL2 149.9 ALF 168.95

LAUNCH DATE MAY 25 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 286.878

RL 151.51 LAL .00 LOL 243.12 VL 26.033 GAL 3.30 AZL 93.75 HCA 119.83 SMA 123.56 ECC .23311 INC 3.7502 V1 29.406
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.995 GAP -11.59 AZP 88.13 TAL 169.01 TAP 288.84 RCA 94.75 APO 152.36 V2 34.875
 RC 48.458 GL -24.88 GP 4.40 ZAL 72.98 ZAP 11.50 ETS 337.40 ZAE 151.40 ETE 31.26 ZAC 91.87 ETC 14.07 CLP -10.63

PLANETOCENTRIC CONIC

C3 16.330 VHL 4.041 DLA -19.59 RAL 162.45 RAD 6567.7 VEL 11.735 PTH 2.07 VHP 7.397 DPA 10.16 RAP 176.12 ECC 1.2687
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 20 1506.28 1.57 .26 20.89 118.28 9 13 26 906.3 5.33 353.60
 90.00 15 16 30 5471.92 28.26 252.81 27.33 88.21 16 47 42 4871.9 27.72 244.19
 100.00 9 57 21 1283.53 .30 343.18 20.18 119.89 10 18 45 683.5 4.28 336.65
 100.00 16 50 10 5169.90 29.71 230.52 27.25 86.55 18 16 20 4569.9 28.92 221.81
 110.00 10 39 4 1152.81 -2.83 331.31 18.23 124.08 10 58 17 552.8 1.66 325.11
 110.00 18 24 56 4873.39 33.38 207.58 26.82 82.18 19 46 10 4273.4 31.94 198.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7143 TRA -.9704 TC3 .6331 BAU .1533 SGT 1849.4 SGR 377.7 SG3 254.6 ST 1103.6 SR 230.1 SS 1205.9
 RDE -.1577 RRA -.1198 RC3 .3035 FAU .04073 RRT .2326 RRF -.2619 RTF -.9093 CRT -.7977 CRS -.8851 CST .9863
 FDE-1.2912 FRA 1.0051 FC3-2.1594 BSP 5927 SGB 1887.6 R23 -.0430 R13 -.9098 LSA 1640.8 MSA 180.5 SSA 16.1
 BDE .7315 BRA .9778 BC3 .7021 FSP -716 SG1 1851.6 SG2 366.9 THA 2.83 EL1 1119.0 EL2 136.9 ALF 170.41

LAUNCH DATE MAY 25 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 293.578

RL 151.51 LAL .00 LOL 243.12 VL 26.149 GAL 3.08 AZL 93.81 HCA 123.01 SMA 124.25 ECC .22553 INC 3.8095 V1 29.406
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.086 GAP -10.88 AZP 87.92 TAL 169.31 TAP 292.33 RCA 96.23 APO 152.28 V2 34.886
 RC 49.776 GL -26.22 GP 4.84 ZAL 73.92 ZAP 13.55 ETS 339.01 ZAE 150.14 ETE 29.86 ZAC 90.66 ETC 13.91 CLP -12.67

PLANETOCENTRIC CONIC

C3 15.421 VHL 3.927 DLA -20.49 RAL 161.12 RAD 6567.6 VEL 11.696 PTH 2.06 VHP 6.999 DPA 10.10 RAP 177.35 ECC 1.2538
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 19 1455.35 3.21 357.41 19.08 118.15 9 17 34 855.4 6.95 350.73
 90.00 15 0 56 5496.87 28.30 254.64 25.35 89.12 16 32 33 4896.9 27.88 246.00
 100.00 10 1 14 1236.16 1.91 340.58 18.36 119.84 10 21 50 636.2 5.86 334.03
 100.00 16 35 42 5191.30 29.79 232.11 25.30 87.38 18 2 13 4591.3 29.11 223.37
 110.00 10 40 53 1111.88 -1.27 329.18 16.38 124.16 10 59 25 511.9 3.23 322.97
 110.00 18 12 32 4888.34 33.52 208.72 24.92 82.84 19 34 0 4288.3 32.18 199.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7295 TRA -.9341 TC3 .7173 BAU .1626 SGT 1888.7 SGR 369.8 SG3 282.6 ST 1150.5 SR 204.0 SS 1290.0
 RDE -.1348 RRA -.1147 RC3 .3274 FAU .04414 RRT .2798 RRF -.3139 RTF -.9148 CRT -.7917 CRS -.8782 CST .9870
 FDE-1.4236 FRA 1.0338 FC3-2.4780 BSP 6073 SGB 1924.6 R23 -.0506 R13 -.9153 LSA 1731.6 MSA 175.5 SSA 15.7
 BDE .7418 BRA .9411 BC3 .7885 FSP -802 SG1 1891.6 SG2 354.5 THA 3.25 EL1 1161.9 EL2 123.4 ALF 171.92

LAUNCH DATE MAY 25 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 300.268

RL 151.51 LAL .00 LOL 243.12 VL 26.255 GAL 2.87 AZL 93.87 HCA 126.19 SMA 124.90 ECC .21858 INC 3.8733 V1 29.406
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.171 GAP -10.18 AZP 87.71 TAL 169.64 TAP 295.83 RCA 97.60 APO 152.20 V2 34.897
 RC 51.201 GL -27.57 GP 5.34 ZAL 74.88 ZAP 15.72 ETS 340.11 ZAE 149.06 ETE 28.88 ZAC 89.53 ETC 13.76 CLP -14.81

PLANETOCENTRIC CONIC

C3 14.647 VHL 3.827 DLA -21.39 RAL 159.76 RAD 6567.6 VEL 11.663 PTH 2.05 VHP 6.618 DPA 10.13 RAP 178.52 ECC 1.2411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 43 1404.24 4.84 354.55 17.36 117.93 9 22 7 804.2 8.54 347.82
 90.00 14 44 38 5524.94 28.32 256.69 23.43 90.15 16 16 43 4924.9 28.04 248.04
 100.00 10 5 23 1189.09 3.50 337.99 16.62 119.71 10 25 12 589.1 7.43 331.41
 100.00 16 20 39 5215.32 29.85 233.89 23.41 88.31 17 47 34 4615.3 29.30 225.13
 110.00 10 42 46 1071.89 .26 327.09 14.60 124.18 11 0 38 471.9 4.75 320.87
 110.00 17 59 45 4905.29 33.65 210.03 23.09 83.61 19 21 30 4305.3 32.40 201.02

DIFFERENTIAL CORRECTIONS

TDE .7443 TRA -.8968 TC3 .8000 BAU .1713
 RDE -.1111 RRA -.1106 RC3 .3534 FAU .04798
 FDE -1.5751 FRA 1.0641 FC3 -2.8356 BSP 6195
 BDE .7525 BRA .9036 BC3 .8745 FSP -898

MID-COURSE EXECUTION ACCURACY

SGT 1922.4 SGR 363.9 SG3 313.9
 RRT .3386 RRF -.3777 RTF -.9197
 SGB 1956.6 R23 -.0597 R13 -.9205
 SG1 1926.5 SG2 341.7 THA 3.79

ORBIT DETERMINATION ACCURACY

ST 1195.4 SR 174.8 SS 1380.3
 CRT -.7754 CRS -.8629 CST .9878
 LSA 1826.3 MSA 171.0 SSA 15.2
 EL1 1203.1 EL2 109.7 ALF 173.48

LAUNCH DATE MAY 25 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 306.946

RL 151.51 LAL .00 LOL 243.12 VL 26.351 GAL 2.67 AZL 93.94 HCA 129.37 SMA 125.50 ECC .21222 INC 3.9426 V1 29.406
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.250 GAP -9.51 AZP 87.50 TAL 169.98 TAP 299.35 RCA 98.87 APO 152.14 V2 34.908
 RC 52.722 GL -28.93 GP 5.93 ZAL 75.86 ZAP 18.03 ETS 340.85 ZAE 148.18 ETE 28.27 ZAC 88.48 ETC 13.60 CLP -17.06

PLANETOCENTRIC CONIC

C3 13.997 VHL 3.741 DLA -22.29 RAL 158.36 RAD 6567.6 VEL 11.635 PTH 2.04 VHP 6.254 DPA 10.28 RAP 179.63 ECC 1.2304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 44 1352.49 6.48 351.63 15.73 117.62 9 27 16 752.5 10.13 344.85
 90.00 14 27 30 5556.61 28.29 259.01 21.59 91.31 16 0 6 4956.6 28.17 250.35
 100.00 10 9 56 1142.05 5.08 335.40 14.96 119.50 10 28 58 542.0 8.97 328.77
 100.00 16 4 59 5242.28 29.89 235.89 21.60 89.37 17 32 21 4642.3 29.48 227.11
 110.00 10 44 49 1032.71 1.76 325.05 12.90 124.14 11 2 1 432.7 6.23 318.81
 110.00 17 46 35 4924.39 33.79 211.50 21.35 84.47 19 8 40 4324.4 32.65 202.45

DIFFERENTIAL CORRECTIONS

TDE .7606 TRA -.8567 TC3 .8834 BAU .1801
 RDE -.0857 RRA -.1077 RC3 .3821 FAU .05239
 FDE -1.7516 FRA 1.0937 FC3 -3.2404 BSP 6350
 BDE .7655 BRA .8634 BC3 .9625 FSP -1012

MID-COURSE EXECUTION ACCURACY

SGT 1950.5 SGR 361.6 SG3 349.4
 RRT .4095 RRF -.4540 RTF -.9248
 SGB 1983.7 R23 -.0704 R13 -.9258
 SG1 1956.3 SG2 328.9 THA 4.47

ORBIT DETERMINATION ACCURACY

ST 1240.3 SR 142.0 SS 1479.4
 CRT -.7381 CRS -.8294 CST .9887
 LSA 1928.5 MSA 166.4 SSA 14.6
 EL1 1244.7 EL2 95.4 ALF 175.14

LAUNCH DATE MAY 25 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 313.612

RL 151.51 LAL .00 LOL 243.12 VL 26.439 GAL 2.49 AZL 94.02 HCA 132.56 SMA 126.05 ECC .20642 INC 4.0185 V1 29.406
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.323 GAP -8.86 AZP 87.28 TAL 170.32 TAP 302.88 RCA 100.03 APO 152.07 V2 34.920
 RC 54.330 GL -30.30 GP 6.61 ZAL 76.83 ZAP 20.48 ETS 341.33 ZAE 147.50 ETE 28.06 ZAC 87.53 ETC 13.45 CLP -19.43

PLANETOCENTRIC CONIC

C3 13.461 VHL 3.669 DLA -23.20 RAL 156.96 RAD 6567.5 VEL 11.612 PTH 2.03 VHP 5.908 DPA 10.57 RAP 180.67 ECC 1.2215
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 11 39 1299.38 8.15 348.62 14.23 117.21 9 33 18 699.4 11.73 341.77
 90.00 14 9 21 5592.64 28.20 261.64 19.82 92.63 15 42 33 4992.6 28.27 252.98
 100.00 10 15 6 1094.57 6.67 332.76 13.43 119.21 10 33 20 494.6 10.51 326.08
 100.00 15 48 35 5272.69 29.89 238.16 19.87 90.56 17 16 27 4672.7 29.65 229.36
 110.00 10 47 8 994.14 3.23 323.03 11.31 124.05 11 3 42 394.1 7.68 316.77
 110.00 17 33 2 4945.88 33.92 213.17 19.71 85.45 18 55 28 4345.9 32.91 204.07

DIFFERENTIAL CORRECTIONS

TDE .7741 TRA -.8183 TC3 .9512 BAU .1867
 RDE -.0581 RRA -.1060 RC3 .4143 FAU .05722
 FDE -1.9531 FRA 1.1269 FC3 -3.6797 BSP 6430
 BDE .7762 BRA .8251 BC3 1.0375 FSP -1136

MID-COURSE EXECUTION ACCURACY

SGT 1970.1 SGR 364.8 SG3 388.9
 RRT .4911 RRF -.5415 RTF -.9285
 SGB 2003.6 R23 -.0843 R13 -.9299
 SG1 1978.4 SG2 316.4 THA 5.33

ORBIT DETERMINATION ACCURACY

ST 1278.9 SR 106.0 SS 1584.7
 CRT -.6413 CRS -.7443 CST .9893
 LSA 2032.6 MSA 163.2 SSA 14.0
 EL1 1280.7 EL2 81.2 ALF 176.95

LAUNCH DATE MAY 25 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 320.264

RL 151.51 LAL .00 LOL 243.12 VL 26.518 GAL 2.33 AZL 94.10 HCA 135.75 SMA 126.56 ECC .20116 INC 4.1027 V1 29.406
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.391 GAP -8.23 AZP 87.06 TAL 170.67 TAP 306.41 RCA 101.10 APO 152.02 V2 34.932
 RC 56.016 GL -31.68 GP 7.42 ZAL 77.80 ZAP 23.11 ETS 341.59 ZAE 147.00 ETE 28.25 ZAC 86.69 ETC 13.29 CLP -21.94

PLANETOCENTRIC CONIC

C3 13.032 VHL 3.610 DLA -24.11 RAL 155.54 RAD 6567.5 VEL 11.594 PTH 2.03 VHP 5.579 DPA 11.03 RAP 181.63 ECC 1.2145
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 19 52 1243.76 9.87 345.43 12.87 116.68 9 40 35 643.8 13.37 338.51
 90.00 13 49 52 5634.24 28.04 264.67 18.14 94.14 15 23 46 5034.2 28.32 256.02
 100.00 10 21 8 1045.97 8.27 330.05 12.02 118.83 10 38 34 446.0 12.06 323.30
 100.00 15 31 16 5307.25 29.84 240.72 18.25 91.91 16 59 44 4707.3 29.78 231.92
 110.00 10 49 51 955.88 4.69 321.03 9.82 123.90 11 5 47 355.9 9.11 314.73
 110.00 17 19 2 4970.11 34.03 215.05 18.18 86.55 18 41 52 4370.1 33.18 205.92

DIFFERENTIAL CORRECTIONS

TDE .7858 TRA -.7798 TC3 1.0069 BAU .1922
 RDE -.0272 RRA -.1057 RC3 .4512 FAU .06261
 FDE -2.1853 FRA 1.1621 FC3 -4.1591 BSP 6477
 BDE .7862 BRA .7869 BC3 1.1033 FSP -1275

MID-COURSE EXECUTION ACCURACY

SGT 1980.5 SGR 376.5 SG3 433.1
 RRT .5797 RRF -.6358 RTF -.9315
 SGB 2015.9 R23 -.1014 R13 -.9334
 SG1 1992.7 SG2 304.9 THA 6.44

ORBIT DETERMINATION ACCURACY

ST 1311.9 SR 70.7 SS 1697.8
 CRT -.3360 CRS -.4632 CST .9899
 LSA 2140.7 MSA 160.6 SSA 13.2
 EL1 1312.1 EL2 66.6 ALF 178.96

LAUNCH DATE MAY 25 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 326.901

RL 151.51 LAL .00 LOL 243.12 VL 26.590 GAL 2.18 AZL 94.20 HCA 138.93 SMA 127.02 ECC .19640 INC 4.1972 V1 29.406
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.453 GAP -7.62 AZP 86.83 TAL 171.01 TAP 309.95 RCA 102.07 APO 151.97 V2 34.945
 RC 57.772 GL -33.06 GP 8.38 ZAL 78.73 ZAP 25.92 ETS 341.69 ZAE 146.70 ETE 28.91 ZAC 85.96 ETC 13.14 CLP -24.61

PLANETOCENTRIC CONIC

C3 12.706 VHL 3.565 DLA -25.04 RAL 154.13 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 5.269 DPA 11.69 RAP 182.51 ECC 1.2091
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 30 2 1183.69 11.68 341.95 11.69 115.98 9 49 46 583.7 15.08 334.92
 90.00 13 28 27 5683.39 27.74 268.24 16.55 95.91 15 3 11 5083.4 28.27 259.61
 100.00 10 28 25 995.19 9.93 327.19 10.77 118.34 10 45 0 395.2 13.64 320.36
 100.00 15 12 45 5347.12 29.71 243.68 16.73 93.46 16 41 52 4747.1 29.87 234.88
 110.00 10 53 11 917.49 6.14 319.01 8.48 123.69 11 8 29 317.5 10.53 312.66
 110.00 17 4 28 4997.58 34.12 217.19 16.79 87.82 18 27 46 4397.6 33.44 208.02

DIFFERENTIAL CORRECTIONS

TDE .7971 TRA -.7385 TC3 1.0525 BAU .1975
 RDE .0084 RRA -.1068 RC3 .4946 FAU .06871
 FDE-2.4555 FRA 1.1947 FC3-4.6817 BSP 6548
 BOE .7972 BRA .7462 BC3 1.1629 FSP -1437

MID-COURSE EXECUTION ACCURACY

SGT 1980.2 SGR 400.5 SG3 482.7
 RRT .6684 RRF -.7292 RTF -.9345
 SGB 2020.3 R23 -.1215 R13 -.9372
 SG1 1998.6 SG2 295.2 THA 7.87

ORBIT DETERMINATION ACCURACY

ST 1340.4 SR 59.4 SS 1820.6
 CRT .5006 CRS .3806 CST .9905
 LSA 2256.0 MSA 157.9 SSA 12.4
 EL1 1340.8 EL2 51.4 ALF 1.27

LAUNCH DATE MAY 25 1967

FLIGHT TIME 128.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 333.522

RL 151.51 LAL .00 LOL 243.12 VL 26.655 GAL 2.04 AZL 94.30 HCA 142.12 SMA 127.44 ECC .19212 INC 4.3046 V1 29.406
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.511 GAP -7.02 AZP 86.60 TAL 171.34 TAP 313.47 RCA 102.95 APO 151.92 V2 34.957
 RC 59.590 GL -34.47 GP 9.53 ZAL 79.63 ZAP 28.94 ETS 341.64 ZAE 146.55 ETE 30.09 ZAC 85.36 ETC 12.98 CLP -27.46

PLANETOCENTRIC CONIC

C3 12.479 VHL 3.533 DLA -26.00 RAL 152.74 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 4.978 DPA 12.59 RAP 183.32 ECC 1.2054
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 23 1115.46 13.68 337.94 10.74 115.04 10 1 58 515.5 16.94 330.78
 90.00 13 3 59 5743.94 27.24 272.60 15.02 98.04 14 39 43 5143.9 28.07 264.03
 100.00 10 37 34 940.45 11.68 324.07 9.72 117.71 10 53 15 340.4 15.30 317.15
 100.00 14 52 28 5394.18 29.47 247.16 15.32 95.27 16 22 22 4794.2 29.88 238.38
 110.00 10 57 22 878.33 7.62 316.93 7.29 123.42 11 12 0 278.3 11.96 310.53
 110.00 16 49 10 5029.06 34.18 219.65 15.54 89.27 18 12 59 4429.1 33.70 210.44

DIFFERENTIAL CORRECTIONS

TDE .8040 TRA -.6987 TC3 1.0719 BAU .2007
 RDE .0503 RRA -.1098 RC3 .5457 FAU .07529
 FDE-2.7652 FRA 1.2295 FC3-5.2232 BSP 6535
 BOE .8056 BRA .7072 BC3 1.2028 FSP -1611

MID-COURSE EXECUTION ACCURACY

SGT 1965.6 SGR 441.0 SG3 537.2
 RRT .7476 RRF -.8126 RTF -.9362
 SGB 2014.5 R23 -.1464 R13 -.9401
 SG1 1993.7 SG2 288.8 THA 9.73

ORBIT DETERMINATION ACCURACY

ST 1358.0 SR 101.6 SS 1950.8
 CRT .9361 CRS .8829 CST .9909
 LSA 2374.0 MSA 156.3 SSA 11.5
 EL1 1361.3 EL2 35.7 ALF 4.01

LAUNCH DATE MAY 25 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 340.127

RL 151.51 LAL .00 LOL 243.12 VL 26.712 GAL 1.92 AZL 94.43 HCA 145.32 SMA 127.82 ECC .18830 INC 4.4287 V1 29.406
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.564 GAP -6.44 AZP 86.36 TAL 171.66 TAP 316.98 RCA 103.75 APO 151.88 V2 34.970
 RC 61.464 GL -35.91 GP 10.91 ZAL 80.49 ZAP 32.22 ETS 341.48 ZAE 146.52 ETE 31.90 ZAC 84.89 ETC 12.83 CLP -30.50

PLANETOCENTRIC CONIC

C3 12.355 VHL 3.515 DLA -27.01 RAL 151.36 RAD 6567.5 VEL 11.565 PTH 2.02 VHP 4.708 DPA 13.79 RAP 184.05 ECC 1.2033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 2 40 1030.33 16.07 332.83 10.11 113.63 10 19 51 430.3 19.13 325.49
 90.00 12 33 42 5824.82 26.34 278.35 13.52 100.78 14 10 47 5224.8 27.56 269.89
 100.00 10 49 39 878.59 13.61 320.49 8.91 116.87 11 4 17 278.6 17.11 313.44
 100.00 14 29 25 5451.79 29.03 251.39 14.01 97.46 16 0 16 4851.8 29.76 242.66
 110.00 11 2 45 837.46 9.14 314.75 6.28 123.08 11 16 42 237.5 13.44 308.28
 110.00 16 32 48 5065.68 34.17 222.51 14.45 90.96 17 57 14 4465.7 33.93 213.27

DIFFERENTIAL CORRECTIONS

TDE .8071 TRA -.6584 TC3 1.0698 BAU .2032
 RDE .1012 RRA -.1146 RC3 .6071 FAU .08249
 FDE-3.1217 FRA 1.2619 FC3-5.7800 BSP 6488
 BOE .8135 BRA .6682 BC3 1.2300 FSP -1804

MID-COURSE EXECUTION ACCURACY

SGT 1935.8 SGR 503.3 SG3 596.9
 RRT .8114 RRF -.8793 RTF -.9370
 SGB 2000.2 R23 -.1743 R13 -.9429
 SG1 1979.4 SG2 287.7 THA 12.17

ORBIT DETERMINATION ACCURACY

ST 1364.6 SR 177.0 SS 2089.7
 CRT .9938 CRS .9728 CST .9912
 LSA 2497.2 MSA 155.2 SSA 10.6
 EL1 1375.9 EL2 19.5 ALF 7.35

LAUNCH DATE MAY 25 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 346.714

RL 151.51 LAL .00 LOL 243.12 VL 26.764 GAL 1.81 AZL 94.57 HCA 148.51 SMA 128.16 ECC .18490 INC 4.5747 V1 29.406
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.612 GAP -5.88 AZP 86.10 TAL 171.95 TAP 320.47 RCA 104.46 APO 151.85 V2 34.983
 RC 63.388 GL -37.40 GP 12.60 ZAL 81.29 ZAP 35.77 ETS 341.22 ZAE 146.54 ETE 34.47 ZAC 84.55 ETC 12.69 CLP -33.76

PLANETOCENTRIC CONIC

C3 12.341 VHL 3.513 DLA -28.08 RAL 150.00 RAD 6567.5 VEL 11.564 PTH 2.02 VHP 4.461 DPA 15.34 RAP 184.73 ECC 1.2031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 40 33 887.88 19.74 323.99 10.17 110.72 10 55 21 287.9 22.38 316.32
 90.00 11 44 58 678.74 24.16 310.26 11.72 105.23 11 56 17 78.7 26.02 302.08
 100.00 11 6 52 802.75 15.89 316.02 8.44 115.65 11 20 15 202.8 19.22 308.80
 100.00 14 1 20 5527.15 28.24 256.85 12.74 100.23 15 33 27 4927.1 29.36 248.22
 110.00 11 9 50 793.44 10.77 312.38 5.50 122.64 11 23 3 193.4 15.00 305.83
 110.00 16 14 51 5109.22 34.07 225.91 13.53 92.97 17 40 1 4509.2 34.11 216.66

DIFFERENTIAL CORRECTIONS

TDE .8047 TRA -.6189 TC3 1.0370 BAU .2046
 RDE .1645 RRA -.1217 RC3 .6805 FAU .09003
 FDE-3.5282 FRA 1.2920 FC3-6.3153 BSP 6402
 BOE .8213 BRA .6308 BC3 1.2403 FSP -2010

MID-COURSE EXECUTION ACCURACY

SGT 1887.4 SGR 592.6 SG3 660.9
 RRT .8563 RRF -.9271 RTF -.9363
 SGB 1978.3 R23 -.2035 R13 -.9456
 SG1 1956.1 SG2 295.3 THA 15.41

ORBIT DETERMINATION ACCURACY

ST 1356.8 SR 277.0 SS 2235.7
 CRT .9993 CRS .9921 CST .9913
 LSA 2625.2 MSA 154.8 SSA 9.6
 EL1 1384.7 EL2 10.0 ALF 11.53

LAUNCH DATE MAY 25 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 353.284

RL 151.51 LAL .00 LOL 243.12 VL 26.809 GAL 1.72 AZL 94.75 HCA 151.71 SMA 128.46 ECC .18190 INC 4.7502 V1 29.406
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.657 GAP -5.33 AZP 85.82 TAL 172.22 TAP 323.93 RCA 105.09 APO 151.82 V2 34.996
 RC 65.357 GL -38.96 GP 14.68 ZAL 82.02 ZAP 39.65 ETS 340.87 ZAE 146.49 ETE 37.94 ZAC 84.35 ETC 12.57 CLP -37.26

PLANETOCENTRIC CONIC

C3 12.453 VHL 3.529 DLA -29.25 RAL 148.65 RAD 6567.5 VEL 11.569 PTH 2.02 VHP 4.240 DPA 17.35 RAP 185.38 ECC 1.2049
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.36 10 4 19 988.97 22.76 332.57 10.09 108.87 10 20 48 389.0 25.13 324.62
 97.64 12 10 23 5869.53 22.78 280.58 10.09 108.86 13 48 13 5269.5 25.14 272.63
 100.00 11 36 31 690.14 19.08 309.18 8.56 113.45 11 48 1 90.1 22.09 301.68
 100.00 13 20 53 5643.59 26.56 265.09 11.33 104.25 14 54 56 5043.6 28.25 256.70
 110.00 11 19 27 743.89 12.57 309.68 5.01 122.05 11 31 51 143.9 16.72 303.02
 110.00 15 54 26 5162.60 33.80 230.05 12.78 95.41 17 20 29 4562.6 34.18 220.83

DIFFERENTIAL CORRECTIONS

TOE .7976 TRA -.5774 TC3 .9818 BAU .2077
 RDE .2455 RRA -.1309 RC3 .7697 FAU .09800
 FDE-3.9921 FRA 1.3076 FC3-6.8132 BSP 6349
 BDE .8346 BRA .5921 BC3 1.2476 FSP -2239

MID-COURSE EXECUTION ACCURACY

SGT 1819.8 SGR 716.5 SG3 728.3
 RRT .8854 RRF -.9585 RTF -.9348
 SGB 1955.8 R23 -.2263 R13 -.9497
 SG1 1930.4 SG2 314.0 THA 19.76

ORBIT DETERMINATION ACCURACY

ST 1334.8 SR 405.6 SS 2390.1
 CRT .9977 CRS .9974 CST .9913
 LSA 2763.1 MSA 154.3 SSA 8.6
 EL1 1394.8 EL2 26.1 ALF 16.87

LAUNCH DATE MAY 25 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 359.835

RL 151.51 LAL .00 LOL 243.12 VL 26.849 GAL 1.64 AZL 94.97 HCA 154.91 SMA 128.72 ECC .17927 INC 4.9664 V1 29.406
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.698 GAP -4.80 AZP 85.50 TAL 172.45 TAP 327.36 RCA 105.65 APO 151.80 V2 35.009
 RC 67.365 GL -40.65 GP 17.29 ZAL 82.70 ZAP 43.90 ETS 340.46 ZAE 146.19 ETE 42.47 ZAC 84.27 ETC 12.47 CLP -41.01

PLANETOCENTRIC CONIC

C3 12.720 VHL 3.566 DLA -30.55 RAL 147.29 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 4.050 DPA 19.93 RAP 186.06 ECC 1.2093
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.04 9 25 50 1099.09 23.63 341.08 9.41 109.94 9 44 9 499.1 26.13 333.12
 101.96 12 38 1 5768.46 23.64 273.40 9.42 109.93 14 14 10 5168.5 26.14 265.44
 78.04 9 25 50 1099.09 23.63 341.08 9.41 109.94 9 44 9 499.1 26.13 333.12
 101.96 12 38 1 5768.46 23.64 273.40 9.42 109.93 14 14 10 5168.5 26.14 265.44
 110.00 11 33 10 684.37 14.70 306.37 4.90 121.21 11 44 34 84.4 18.73 299.57
 110.00 15 29 51 5231.18 33.24 235.33 12.18 98.48 16 57 2 4631.2 34.05 226.18

DIFFERENTIAL CORRECTIONS

TOE .7817 TRA -.5380 TC3 .8864 BAU .2116
 RDE .3516 RRA -.1431 RC3 .8734 FAU .10538
 FDE-4.5053 FRA 1.3117 FC3-7.1723 BSP 6249
 BDE .8571 BRA .5567 BC3 1.2443 FSP -2455

MID-COURSE EXECUTION ACCURACY

SGT 1727.4 SGR 882.3 SG3 794.4
 RRT .8997 RRF -.9773 RTF -.9305
 SGB 1939.7 R23 -.2388 R13 -.9550
 SG1 1908.1 SG2 348.7 THA 25.60

ORBIT DETERMINATION ACCURACY

ST 1291.5 SR 570.8 SS 2546.4
 CRT .9954 CRS .9991 CST .9910
 LSA 2907.5 MSA 154.7 SSA 7.6
 EL1 1411.2 EL2 50.2 ALF 23.78

LAUNCH DATE MAY 25 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 366.367

RL 151.51 LAL .00 LOL 243.12 VL 26.883 GAL 1.57 AZL 95.24 HCA 158.11 SMA 128.96 ECC .17700 INC 5.2415 V1 29.406
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.735 GAP -4.28 AZP 85.13 TAL 172.65 TAP 330.76 RCA 106.13 APO 151.78 V2 35.023
 RC 69.409 GL -42.52 GP 20.59 ZAL 83.31 ZAP 48.57 ETS 340.01 ZAE 145.37 ETE 48.14 ZAC 84.27 ETC 12.43 CLP -45.02

PLANETOCENTRIC CONIC

C3 13.195 VHL 3.632 DLA -32.04 RAL 145.88 RAD 6567.5 VEL 11.601 PTH 2.03 VHP 3.900 DPA 23.23 RAP 186.87 ECC 1.2172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.35 8 54 20 1188.46 24.54 348.20 9.01 111.27 9 14 9 588.5 27.21 340.23
 105.65 12 58 18 5694.89 24.55 268.22 9.02 111.26 14 33 13 5094.9 27.22 260.25
 74.35 8 54 20 1188.46 24.54 348.20 9.01 111.27 9 14 9 588.5 27.21 340.23
 105.65 12 58 18 5694.89 24.55 268.22 9.02 111.26 14 33 13 5094.9 27.22 260.25
 110.00 11 54 38 604.31 17.47 301.82 5.39 119.86 12 4 43 4.3 21.31 294.80
 110.00 14 57 10 5327.04 32.04 242.55 11.60 102.60 16 25 57 4727.0 33.44 233.60

DIFFERENTIAL CORRECTIONS

TOE .7587 TRA -.4978 TC3 .7646 BAU .2211
 RDE .4953 RRA -.1574 RC3 .9933 FAU .11181
 FDE-5.0647 FRA 1.2829 FC3-7.3362 BSP 6282
 BDE .9061 BRA .5221 BC3 1.2535 FSP -2668

MID-COURSE EXECUTION ACCURACY

SGT 1612.0 SGR 1103.1 SG3 855.0
 RRT .9037 RRF -.9881 RTF -.9235
 SGB 1953.3 R23 -.2298 R13 -.9637
 SG1 1912.3 SG2 398.1 THA 33.37

ORBIT DETERMINATION ACCURACY

ST 1228.6 SR 786.5 SS 2703.0
 CRT .9932 CRS .9997 CST .9904
 LSA 3067.6 MSA 155.0 SSA 6.5
 EL1 1456.8 EL2 77.4 ALF 32.55

LAUNCH DATE MAY 25 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 372.880

RL 151.51 LAL .00 LOL 243.12 VL 26.913 GAL 1.52 AZL 95.61 HCA 161.31 SMA 129.16 ECC .17505 INC 5.6058 V1 29.406
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.768 GAP -3.78 AZP 84.69 TAL 172.80 TAP 334.12 RCA 106.55 APO 151.77 V2 35.036
 RC 71.485 GL -44.66 GP 24.84 ZAL 83.88 ZAP 53.72 ETS 339.55 ZAE 143.59 ETE 54.83 ZAC 84.28 ETC 12.46 CLP -49.30

PLANETOCENTRIC CONIC

C3 13.981 VHL 3.739 DLA -33.79 RAL 144.37 RAD 6567.6 VEL 11.635 PTH 2.04 VHP 3.804 DPA 27.48 RAP 188.00 ECC 1.2301
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.74 8 25 6 1272.88 25.48 355.11 8.95 112.99 8 46 19 672.9 28.36 347.16
 109.26 13 15 30 5635.70 25.49 264.09 8.95 112.97 14 49 26 5035.7 28.38 256.14
 70.74 8 25 6 1272.88 25.48 355.11 8.95 112.99 8 46 19 672.9 28.36 347.16
 109.26 13 15 30 5635.70 25.49 264.09 8.95 112.97 14 49 26 5035.7 28.38 256.14
 110.00 12 40 47 5741.79 22.33 270.76 7.36 116.58 14 16 29 5141.8 25.71 263.23
 110.00 13 58 59 5502.83 28.73 255.15 10.36 109.37 15 30 42 4902.8 31.10 246.75

DIFFERENTIAL CORRECTIONS

TOE .7238 TRA -.4607 TC3 .6080 BAU .2382
 RDE .6949 RRA -.1738 RC3 1.1199 FAU .11533
 FDE-5.6280 FRA 1.2138 FC3-7.1416 BSP 6438
 BDE 1.0033 BRA .4923 BC3 1.2743 FSP -2814

MID-COURSE EXECUTION ACCURACY

SGT 1469.1 SGR 1392.1 SG3 897.5
 RRT .8967 RRF -.9939 RTF -.9104
 SGB 2023.9 R23 -.1967 R13 -.9752
 SG1 1971.1 SG2 459.2 THA 43.28

ORBIT DETERMINATION ACCURACY

ST 1138.0 SR 1069.4 SS 2843.3
 CRT .9907 CRS .9999 CST .9890
 LSA 3240.1 MSA 156.5 SSA 5.6
 EL1 1558.0 EL2 106.1 ALF 43.20

LAUNCH DATE MAY 25 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

RL 151.51 LAL .00 LOL 243.12 VL 26.938 GAL 1.48 AZL 96.12 HCA 164.52 SMA 129.33 ECC .17342 INC 6.1152 V1 29.406
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.798 GAP -3.28 AZP 84.11 TAL 172.91 TAP 337.43 RCA 106.90 APO 151.76 V2 35.049
 RC 73.590 GL -47.21 GP 30.44 ZAL 84.41 ZAP 59.42 ETS 339.15 ZAE 140.28 ETE 62.17 ZAC 84.16 ETC 12.55 CLP -53.84

PLANETOCENTRIC CONIC

C3 15.284 VHL 3.909 DLA -35.93 RAL 142.66 RAD 6567.6 VEL 11.691 PTH 2.06 VHP 3.791 DPA 32.97 RAP 189.83 ECC 1.2515
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.89 7 55 58 1360.06 26.43 2.45 9.35 115.28 8 18 38 760.1 29.60 354.55
 113.11 13 30 57 5588.13 26.44 260.82 9.35 115.27 15 4 5 4988.1 29.61 252.91
 66.89 7 55 58 1360.06 26.43 2.45 9.35 115.28 8 18 38 760.1 29.60 354.55
 113.11 13 30 57 5588.13 26.44 260.82 9.35 115.27 15 4 5 4988.1 29.61 252.91
 66.89 7 55 58 1360.06 26.43 2.45 9.35 115.28 8 18 38 760.1 29.60 354.55
 113.11 13 30 57 5588.13 26.44 260.82 9.35 115.27 15 4 5 4988.1 29.61 252.91

DIFFERENTIAL CORRECTIONS

TDE .6818 TRA -.4252 TC3 .4331 BAU .2679
 RDE .9853 RRA -.1880 RC3 1.2377 FAU .11397
 FDE-6.1392 FRA 1.0687 FC3-6.4559 BSP 6958
 BDE 1.1981 BRA .4649 BC3 1.3113 FSP -2860

DISTANCE 379.373

SGT 1305.8 SGR 1771.3 SG3 906.9
 RRT .8786 RRF -.9969 RTF -.8892
 SGB 2200.6 R23 -.1406 R13 -.9874
 SG1 2139.2 SG2 516.3 THA 54.70

ORBIT DETERMINATION ACCURACY

ST 1025.5 SR 1447.9 SS 2953.7
 CRT .9877 CRS 1.0000 CST .9868
 LSA 3442.0 MSA 157.9 SSA 4.6
 EL1 1769.4 EL2 131.1 ALF 54.80

LAUNCH DATE MAY 25 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

RL 151.51 LAL .00 LOL 243.12 VL 26.959 GAL 1.45 AZL 96.88 HCA 167.72 SMA 129.47 ECC .17208 INC 6.8834 V1 29.406
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.825 GAP -2.80 AZP 83.27 TAL 172.98 TAP 340.70 RCA 107.19 APO 151.75 V2 35.062
 RC 75.721 GL -50.38 GP 37.94 ZAL 84.95 ZAP 65.72 ETS 338.94 ZAE 134.65 ETE 69.46 ZAC 83.68 ETC 12.66 CLP -58.57

PLANETOCENTRIC CONIC

C3 17.582 VHL 4.193 DLA -38.63 RAL 140.54 RAD 6567.7 VEL 11.788 PTH 2.08 VHP 3.926 DPA 40.10 RAP 193.16 ECC 1.2894
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.54 7 25 1 1457.99 27.24 10.88 10.42 118.53 7 49 19 858.0 30.82 3.11
 117.46 13 44 59 5554.22 27.25 258.52 10.43 118.52 15 17 33 4954.2 30.83 250.75
 62.54 7 25 1 1457.99 27.24 10.88 10.42 118.53 7 49 19 858.0 30.82 3.11
 117.46 13 44 59 5554.22 27.25 258.52 10.43 118.52 15 17 33 4954.2 30.83 250.75
 62.54 7 25 1 1457.99 27.24 10.88 10.42 118.53 7 49 19 858.0 30.82 3.11
 117.46 13 44 59 5554.22 27.25 258.52 10.43 118.52 15 17 33 4954.2 30.83 250.75

DIFFERENTIAL CORRECTIONS

TDE .6378 TRA -.3937 TC3 .2583 BAU .3136
 RDE 1.4307 RRA -.1879 RC3 1.3091 FAU .10462
 FDE-6.4571 FRA .8087 FC3-5.1515 BSP 8082
 BDE 1.5665 BRA .4363 BC3 1.3343 FSP -2739

DISTANCE 385.845

SGT 1131.7 SGR 2266.1 SG3 857.6
 RRT .8453 RRF -.9984 RTF -.8546
 SGB 2533.0 R23 -.0804 R13 -.9954
 SG1 2471.6 SG2 554.3 THA 65.82

ORBIT DETERMINATION ACCURACY

ST 895.7 SR 1957.8 SS 2996.4
 CRT .9834 CRS 1.0000 CST .9830
 LSA 3686.2 MSA 159.3 SSA 3.7
 EL1 2147.8 EL2 148.3 ALF 65.65

LAUNCH DATE MAY 25 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

RL 151.51 LAL .00 LOL 243.12 VL 26.976 GAL 1.44 AZL 98.18 HCA 170.93 SMA 129.59 ECC .17102 INC 8.1843 V1 29.406
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.850 GAP -2.33 AZP 81.92 TAL 172.98 TAP 343.91 RCA 107.42 APO 151.75 V2 35.075
 RC 77.874 GL -54.53 GP 48.20 ZAL 85.58 ZAP 72.59 ETS 339.05 ZAE 125.75 ETE 75.83 ZAC 82.46 ETC 12.52 CLP -63.33

PLANETOCENTRIC CONIC

C3 22.224 VHL 4.714 DLA -42.15 RAL 137.64 RAD 6567.9 VEL 11.983 PTH 2.14 VHP 4.371 DPA 49.21 RAP 200.00 ECC 1.3657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.37 6 50 7 1579.15 27.43 21.33 12.63 123.35 7 16 26 979.2 31.61 13.90
 122.63 13 56 47 5544.30 27.45 257.81 12.64 123.34 15 29 11 4944.3 31.62 250.38
 57.37 6 50 7 1579.15 27.43 21.33 12.63 123.35 7 16 26 979.2 31.61 13.90
 122.63 13 56 47 5544.30 27.45 257.81 12.64 123.34 15 29 11 4944.3 31.62 250.38
 57.37 6 50 7 1579.15 27.43 21.33 12.63 123.35 7 16 26 979.2 31.61 13.90
 122.63 13 56 47 5544.30 27.45 257.81 12.64 123.34 15 29 11 4944.3 31.62 250.38

DIFFERENTIAL CORRECTIONS

TDE .6077 TRA -.3802 TC3 .0989 BAU .3656
 RDE 2.1546 RRA -.1550 RC3 1.2265 FAU .08153
 FDE-6.2743 FRA .4555 FC3-3.1762 BSP 9704
 BDE 2.2387 BRA .4106 BC3 1.2305 FSP -2271

DISTANCE 392.294

SGT 970.9 SGR 2873.9 SG3 710.8
 RRT .7886 RRF -.9991 RTF -.7984
 SGB 3033.5 R23 -.0365 R13 -.9986
 SG1 2978.3 SG2 576.1 THA 74.49

ORBIT DETERMINATION ACCURACY

ST 761.9 SR 2620.0 SS 2881.0
 CRT .9761 CRS 1.0000 CST .9762
 LSA 3964.7 MSA 162.5 SSA 2.8
 EL1 2723.9 EL2 159.2 ALF 74.10

LAUNCH DATE MAY 25 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

RL 151.51 LAL .00 LOL 243.12 VL 26.990 GAL 1.44 AZL 100.89 HCA 174.12 SMA 129.68 ECC .17022 INC10.8904 V1 29.406
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.871 GAP -1.87 AZP 79.17 TAL 172.93 TAP 347.05 RCA 107.60 APO 151.75 V2 35.088
 RC 80.046 GL -60.09 GP 62.36 ZAL 86.44 ZAP 79.74 ETS 339.27 ZAE 112.43 ETE 80.06 ZAC 79.94 ETC 10.99 CLP -67.41

PLANETOCENTRIC CONIC

C3 34.584 VHL 5.881 DLA -46.74 RAL 133.23 RAD 6568.4 VEL 12.488 PTH 2.26 VHP 5.670 DPA 59.75 RAP 216.50 ECC 1.5692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.12 6 8 18 1752.80 25.27 35.30 16.85 130.73 6 37 31 1152.8 30.32 28.70
 128.88 14 3 25 5590.45 25.28 260.18 16.86 130.73 15 36 36 4990.5 30.33 253.58
 51.12 6 8 18 1752.80 25.27 35.30 16.85 130.73 6 37 31 1152.8 30.32 28.70
 128.88 14 3 25 5590.45 25.28 260.18 16.86 130.73 15 36 36 4990.5 30.33 253.58
 51.12 6 8 18 1752.80 25.27 35.30 16.85 130.73 6 37 31 1152.8 30.32 28.70
 128.88 14 3 25 5590.45 25.28 260.18 16.86 130.73 15 36 36 4990.5 30.33 253.58

DIFFERENTIAL CORRECTIONS

TDE .6971 TRA -.4292 TC3 -.0192 BAU .3701
 RDE 3.4558 RRA -.0467 RC3 .8002 FAU .04174
 FDE-5.1656 FRA .1111 FC3-1.0449 BSP 10773
 BDE 3.5254 BRA .4318 BC3 .8004 FSP -1324

DISTANCE 398.717

SGT 913.3 SGR 3496.6 SG3 447.8
 RRT .7221 RRF -.9994 RTF -.7366
 SGB 3613.9 R23 -.0123 R13 -.9995
 SG1 3560.2 SG2 620.6 THA 78.98

ORBIT DETERMINATION ACCURACY

ST 703.4 SR 3367.1 SS 2465.7
 CRT .9670 CRS 1.0000 CST .9679
 LSA 4228.5 MSA 176.1 SSA 1.9
 EL1 3435.3 EL2 175.6 ALF 78.55

LAUNCH DATE MAY 25 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 26.999 GAL 1.47 AZL 109.92 HCA 177.28 SMA 129.74 ECC .16968 INC19.9221 V1 29.406
 RP 107.96 LAP -.93 LOP 60.56 VP 37.890 GAP -1.44 AZP 70.10 TAL 172.78 TAP 350.06 RCA 107.73 APO 151.76 V2 35.101
 RC 82.236 GL -66.25 GP 82.66 ZAL 87.85 ZAP 86.19 ETS 316.27 ZAE 92.33 ETE 58.34 ZAC 75.07 ETC 342.83 CLP -58.65

PLANETOCENTRIC CONIC
 C3 100.967 VHL 10.048 DLA -51.35 RAL 126.85 RAD 6570.0 VEL 14.910 PTH 2.69 VHP 10.934 DPA 65.21 RAP 260.35 ECC 2.6617
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.20 5 23 10 2057.72 14.24 53.62 25.13 139.88 5 57 28 1457.7 20.29 48.55
 134.80 13 57 39 5800.28 14.25 269.03 25.15 139.87 15 34 19 5200.3 20.30 263.96
 45.20 5 23 10 2057.72 14.24 53.62 25.13 139.88 5 57 28 1457.7 20.29 48.55
 134.80 13 57 39 5800.28 14.25 269.03 25.15 139.87 15 34 19 5200.3 20.30 263.96
 45.20 5 23 10 2057.72 14.24 53.62 25.13 139.88 5 57 28 1457.7 20.29 48.55
 134.80 13 57 39 5800.28 14.25 269.03 25.15 139.87 15 34 19 5200.3 20.30 263.96

DIFFERENTIAL CORRECTIONS
 TOE 4.6512 TRA -.3826 TC3 .0180 BAU .1045
 RDE 5.5018 RRA .6878 RC3 .0753 FAU .00252
 FDE -3.3914 FRA -.1619 FC3 -.0216 BSP 12226
 BDE 7.2044 BRA .7871 BC3 .0774 FSP -479

MID-COURSE EXECUTION ACCURACY
 SGT 2675.3 SGR 3202.9 SG3 167.6
 RRT .9460 RRF -.9924 RTF -.9786
 SGB 4173.3 R23 -.0115 R13 -.9999
 SG1 4118.4 SG2 674.3 THA 50.41

ORBIT DETERMINATION ACCURACY
 ST 2654.2 SR 3142.8 SS 1827.4
 CRT .9951 CRS .9993 CST .9981
 LSA 4496.7 MSA 201.7 SSA .7
 EL1 4108.7 EL2 201.6 ALF 49.84

LAUNCH DATE MAY 25 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 27.006 GAL 1.39 AZL 41.58 HCA 180.99 SMA 129.79 ECC .16908 INC48.4127 V1 29.406
 RP 107.92 LAP -.74 LOP 63.78 VP 37.906 GAP -.85 AZP 138.42 TAL 173.14 TAP 354.13 RCA 107.84 APO 151.73 V2 35.113
 RC 84.440 GL 60.36 GP -68.64 ZAL 89.16 ZAP 89.39 ETS 175.73 ZAE 73.48 ETE 74.44 ZAC 95.11 ETC 150.64 CLP 88.32

PLANETOCENTRIC CONIC
 C3 539.863 VHL 23.235 DLA 61.78 RAL 198.85 RAD 6572.4 VEL 25.713 PTH 3.36 VHP 31.951 DPA -69.19 RAP 41.13 ECC 9.8848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.49 21 33 43 5011.37 -1.86 240.71 107.86 28.23 22 57 14 4411.4 -8.90 237.31
 147.51 7 21 30 3324.36 -1.85 101.38 107.84 28.23 8 16 54 2724.4 -8.89 97.98
 32.49 21 33 43 5011.37 -1.86 240.71 107.86 28.23 22 57 14 4411.4 -8.90 237.31
 147.51 7 21 30 3324.36 -1.85 101.38 107.84 28.23 8 16 54 2724.4 -8.89 97.98
 32.49 21 33 43 5011.37 -1.86 240.71 107.86 28.23 22 57 14 4411.4 -8.90 237.31
 147.51 7 21 30 3324.36 -1.85 101.38 107.84 28.23 8 16 54 2724.4 -8.89 97.98

DIFFERENTIAL CORRECTIONS
 TOE -3.6565 TRA -2.3453 TC3 -.1210 BAU 2.0991
 RDE -3.0555 RRA -7.2251 RC3 -.2645 FAU -.03534
 FDE .6833 FRA 1.5378 FC3 .0567 BSP 4721
 BDE 4.7651 BRA 7.5963 BC3 .2908 FSP -86

MID-COURSE EXECUTION ACCURACY
 SGT 1620.2 SGR 4034.4 SG3 74.4
 RRT .9147 RRF -1.0000 RTF -.9185
 SGB 4347.6 R23 -.0442 R13 -.9990
 SG1 4304.0 SG2 613.7 THA 69.39

ORBIT DETERMINATION ACCURACY
 ST 973.6 SR 1359.0 SS 811.2
 CRT .8274 CRS .9997 CST .8401
 LSA 1795.7 MSA 477.9 SSA .3
 EL1 1606.5 EL2 462.5 ALF 56.16

LAUNCH DATE MAY 25 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 27.009 GAL 1.49 AZL 81.85 HCA 183.91 SMA 129.81 ECC .16912 INC 8.1461 V1 29.406
 RP 107.89 LAP -.55 LOP 66.99 VP 37.920 GAP -.50 AZP 98.13 TAL 172.65 TAP 356.56 RCA 107.86 APO 151.77 V2 35.125
 RC 86.655 GL 54.75 GP -74.88 ZAL 85.26 ZAP 89.15 ETS 4.28 ZAE 109.12 ETE 264.89 ZAC 107.66 ETC 350.21 CLP -86.76

PLANETOCENTRIC CONIC
 C3 21.957 VHL 4.686 DLA 55.35 RAL 195.87 RAD 6567.9 VEL 11.972 PTH 2.13 VHP 7.816 DPA -56.06 RAP 122.57 ECC 1.3614
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 40.23 21 42 2 4363.47 -34.55 210.95 77.47 43.65 22 54 45 3763.5 -40.13 204.15
 139.77 6 49 28 2754.13 -34.54 81.41 77.46 43.64 7 35 22 2154.1 -40.12 74.61
 40.23 21 42 2 4363.47 -34.55 210.95 77.47 43.65 22 54 45 3763.5 -40.13 204.15
 139.77 6 49 28 2754.13 -34.54 81.41 77.46 43.64 7 35 22 2154.1 -40.12 74.61
 40.23 21 42 2 4363.47 -34.55 210.95 77.47 43.65 22 54 45 3763.5 -40.13 204.15
 139.77 6 49 28 2754.13 -34.54 81.41 77.46 43.64 7 35 22 2154.1 -40.12 74.61

DIFFERENTIAL CORRECTIONS
 TOE .6181 TRA .3959 TC3 -.4916 BAU .4945
 RDE .6751 RRA 1.7884 RC3 -1.6114 FAU .03090
 FDE .4644 FRA 1.3014 FC3 -1.2185 BSP 13019
 BDE .9153 BRA 1.8317 BC3 1.6848 FSP -817

MID-COURSE EXECUTION ACCURACY
 SGT 1228.3 SGR 4213.8 SG3 265.8
 RRT .8878 RRF .9999 RTF .8837
 SGB 4389.2 R23 .0415 R13 .9990
 SG1 4354.9 SG2 547.0 THA 75.25

ORBIT DETERMINATION ACCURACY
 ST 797.9 SR 1419.5 SS 684.9
 CRT .8116 CRS .9997 CST -.7960
 LSA 1712.9 MSA 432.2 SSA 1.0
 EL1 1573.1 EL2 420.6 ALF 63.43

LAUNCH DATE MAY 25 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 27.010 GAL 1.55 AZL 87.05 HCA 187.10 SMA 129.82 ECC .16922 INC 2.9539 V1 29.406
 RP 107.85 LAP -.37 LOP 70.21 VP 37.931 GAP -.08 AZP 92.93 TAL 172.37 TAP 359.47 RCA 107.85 APO 151.79 V2 35.137
 RC 88.880 GL 29.35 GP -58.34 ZAL 81.62 ZAP 91.84 ETS 358.01 ZAE 124.80 ETE 257.34 ZAC 111.85 ETC 352.60 CLP -93.50

PLANETOCENTRIC CONIC
 C3 8.062 VHL 2.839 DLA 33.54 RAL 177.10 RAD 6567.3 VEL 11.378 PTH 1.97 VHP 4.895 DPA -41.62 RAP 135.17 ECC 1.1327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.22 22 36 50 3795.57 -28.04 155.76 33.65 70.80 23 40 5 3195.6 -30.40 147.42
 108.78 3 24 53 2889.62 -28.03 88.32 33.65 70.78 4 13 2 2289.6 -30.39 79.98
 71.22 22 36 50 3795.57 -28.04 155.76 33.65 70.80 23 40 5 3195.6 -30.40 147.42
 108.78 3 24 53 2889.62 -28.03 88.32 33.65 70.78 4 13 2 2289.6 -30.39 79.98
 110.00 4 22 29 2713.28 -31.57 75.83 34.86 76.16 5 7 42 2113.3 -33.15 66.96
 110.00 2 42 20 3019.91 -24.62 96.91 32.12 65.50 3 32 40 2419.9 -27.71 89.11

DIFFERENTIAL CORRECTIONS
 TOE .2935 TRA .3123 TC3 -2.1410 BAU .5288
 RDE .2519 RRA 1.0970 RC3 -4.4148 FAU .07693
 FDE .4032 FRA 1.9926 FC3 -8.2613 BSP 12268
 BDE .3868 BRA 1.1406 BC3 4.9065 FSP -1856

MID-COURSE EXECUTION ACCURACY
 SGT 1549.5 SGR 3687.5 SG3 585.6
 RRT .9377 RRF .9997 RTF .9363
 SGB 3999.8 R23 .0537 R13 .9983
 SG1 3968.4 SG2 500.4 THA 68.13

ORBIT DETERMINATION ACCURACY
 ST 635.3 SR 948.1 SS 704.7
 CRT .8045 CRS -.9984 CST -.7702
 LSA 1293.5 MSA 355.1 SSA 2.6
 EL1 1093.4 EL2 327.2 ALF 58.53

LAUNCH DATE MAY 25 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 430.720

RL 151.51 LAL .00 LOL 243.12 VL 27.008 GAL 1.61 AZL 89.02 HCA 190.32 SMA 129.81 ECC .16951 INC .9743 V1 29.406
 RP 107.82 LAP -.17 LOP 73.43 VP 37.940 GAP .34 AZP 90.96 TAL 172.06 TAP 2.37 RCA 107.80 APO 151.81 V2 35.149
 RC 91.113 GL 10.63 GP -46.65 ZAL 79.73 ZAP 96.22 ETS 354.34 ZAE 134.92 ETE 249.04 ZAC 114.69 ETC 355.64 CLP -99.08

PLANETOCENTRIC CONIC

C3 6.221 VHL 2.494 DLA 16.25 RAL 169.09 RAD 6567.2 VEL 11.297 PTH 1.94 VHP 3.957 DPA -30.49 RAP 139.94 ECC 1.1024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 19 17 2505.65 -25.40 60.79 18.15 102.95 5 1 3 1905.7 -23.37 52.71
 90.00 20 38 32 4087.82 -3.58 165.72 15.17 61.89 21 46 40 3487.8 -7.31 159.03
 100.00 5 49 44 2214.00 -26.30 39.09 17.91 104.75 6 26 38 1614.0 -24.01 31.04
 100.00 21 50 47 3854.70 -2.77 148.13 14.73 60.22 22 55 2 3254.7 -6.71 141.57
 110.00 7 18 7 1937.43 -28.61 17.28 17.10 109.56 7 50 25 1337.4 -25.67 9.34
 110.00 22 38 53 3704.04 -.72 135.43 13.45 55.82 23 40 37 3104.0 -5.20 129.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0535 TRA .3159 TC3-3.5054 BAU .5026 SGT 1909.0 SGR 3124.9 SG3 865.3 ST 263.2 SR 615.0 SS 699.1
 RDE -.0874 RRA .8033 RC3-4.9227 FAU .11436 RRT .9593 RRF .9995 RTF .9588 CRT .6795 CRS -.9911 CST -.5767
 FDE -.4001 FRA 2.5229 FC-15.9145 BSP 11214 SGB 3661.8 R23 .0761 R13 .9966 LSA 944.2 MSA 211.6 SSA 8.0
 BDE .1025 BRA .8632 BC3 6.0432 FSP -2754 SG1 3632.3 SG2 464.0 THA 59.07 EL1 642.9 EL2 184.7 ALF 72.28

LAUNCH DATE MAY 25 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 437.038

RL 151.51 LAL .00 LOL 243.12 VL 27.004 GAL 1.69 AZL 90.07 HCA 193.54 SMA 129.78 ECC .16999 INC .0581 V1 29.406
 RP 107.78 LAP .02 LOP 76.66 VP 37.948 GAP .76 AZP 89.93 TAL 171.70 TAP 5.24 RCA 107.72 APO 151.84 V2 35.160
 RC 93.352 GL -.76 GP -38.09 ZAL 78.73 ZAP 101.26 ETS 352.02 ZAE 141.06 ETE 239.38 ZAC 116.81 ETC 358.35 CLP -104.37

PLANETOCENTRIC CONIC

C3 6.051 VHL 2.460 DLA 5.44 RAL 165.33 RAD 6567.2 VEL 11.289 PTH 1.94 VHP 3.569 DPA -22.00 RAP 142.03 ECC 1.0996
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 16 2139.47 -17.68 36.78 11.41 112.49 6 9 55 1539.5 -14.48 29.57
 90.00 18 53 32 4444.69 7.85 185.72 10.34 62.71 20 7 37 3844.7 4.13 179.01
 100.00 6 58 10 1868.82 -18.38 16.56 11.09 114.00 7 29 19 1268.8 -14.98 9.42
 100.00 20 12 19 4190.57 8.52 166.67 9.98 61.24 21 22 9 3590.6 4.62 160.06
 110.00 8 12 18 1636.81 -20.23 357.98 10.13 118.16 8 39 35 1036.8 -16.31 351.06
 110.00 21 14 40 3995.35 10.30 150.78 8.91 57.22 22 21 15 3395.3 5.91 144.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.1454 TRA .3491 TC3-4.2970 BAU .4895 SGT 2291.4 SGR 2619.9 SG3 1052.5 ST 422.7 SR 713.1 SS 1129.2
 RDE -.2390 RRA .6283 RC3-4.2601 FAU .13853 RRT .9694 RRF .9991 RTF .9696 CRT .9971 CRS -.9956 CST -.9963
 FDE -1.3138 FRA 2.8332 FC-19.8215 BSP 10652 SGB 3480.6 R23 .1027 R13 .9938 LSA 1399.3 MSA 58.0 SSA 25.8
 BDE .2797 BRA .7188 BC3 6.0509 FSP -3378 SG1 3454.3 SG2 426.4 THA 48.95 EL1 828.5 EL2 27.6 ALF 59.37

LAUNCH DATE MAY 25 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 443.339

RL 151.51 LAL .00 LOL 243.12 VL 26.998 GAL 1.78 AZL 90.72 HCA 196.76 SMA 129.73 ECC .17065 INC .7184 V1 29.406
 RP 107.75 LAP .21 LOP 79.88 VP 37.953 GAP 1.17 AZP 89.31 TAL 171.30 TAP 8.07 RCA 107.59 APO 151.87 V2 35.170
 RC 95.596 GL -7.78 GP -31.67 ZAL 77.94 ZAP 106.42 ETS 350.58 ZAE 144.21 ETE 229.28 ZAC 118.45 ETC .72 CLP -109.40

PLANETOCENTRIC CONIC

C3 6.254 VHL 2.501 DLA -1.39 RAL 163.46 RAD 6567.2 VEL 11.298 PTH 1.94 VHP 3.404 DPA -15.47 RAP 142.98 ECC 1.1029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 41 1932.69 -11.88 24.37 9.02 115.89 6 49 54 1332.7 -8.30 17.52
 90.00 17 55 12 4662.55 14.38 198.39 9.30 65.34 19 12 54 4062.5 10.93 191.40
 100.00 7 38 23 1672.38 -12.56 4.88 8.67 117.35 8 6 15 1072.4 -8.80 358.11
 100.00 19 17 11 4398.09 15.06 178.61 8.96 63.87 20 30 29 3798.1 11.43 171.70
 110.00 8 45 9 1463.38 -14.35 347.98 7.63 121.36 9 9 32 863.4 -10.10 341.46
 110.00 20 26 54 4179.86 16.88 161.03 7.95 59.82 21 36 34 3579.9 12.74 154.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3229 TRA .3975 TC3-4.7837 BAU .4933 SGT 2664.9 SGR 2192.0 SG3 1153.3 ST 791.9 SR 752.5 SS 1522.8
 RDE -.2892 RRA .5132 RC3-3.4530 FAU .15058 RRT .9747 RRF .9983 RTF .9754 CRT .9907 CRS -.9968 CST -.9980
 FDE -2.0692 FRA 2.9911 FC-20.8460 BSP 10519 SGB 3450.6 R23 .1236 R13 .9907 LSA 1872.5 MSA 74.7 SSA 18.8
 BDE .4335 BRA .6491 BC3 5.8997 FSP -3712 SG1 3429.5 SG2 380.8 THA 39.30 EL1 1089.9 EL2 74.5 ALF 43.53

LAUNCH DATE MAY 25 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 449.623

RL 151.51 LAL .00 LOL 243.12 VL 26.989 GAL 1.88 AZL 91.16 HCA 199.99 SMA 129.67 ECC .17149 INC 1.1641 V1 29.406
 RP 107.72 LAP .40 LOP 83.11 VP 37.956 GAP 1.58 AZP 88.91 TAL 170.85 TAP 10.84 RCA 107.44 APO 151.91 V2 35.180
 RC 97.843 GL -12.36 GP -26.73 ZAL 77.13 ZAP 111.42 ETS 349.71 ZAE 145.27 ETE 219.91 ZAC 119.71 ETC 2.79 CLP -114.14

PLANETOCENTRIC CONIC

C3 6.557 VHL 2.561 DLA -5.99 RAL 162.60 RAD 6567.2 VEL 11.311 PTH 1.94 VHP 3.352 DPA -10.38 RAP 143.42 ECC 1.1079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 48 45 1797.14 -7.74 16.56 8.43 117.32 7 18 42 1197.1 -4.02 9.86
 90.00 17 17 16 4814.24 18.47 207.65 9.68 68.15 18 37 30 4214.2 15.34 200.37
 100.00 8 7 15 1543.89 -8.44 357.57 8.06 118.78 8 32 59 943.9 -4.53 350.96
 100.00 18 41 27 4542.73 19.19 187.36 9.36 66.63 19 57 9 3942.7 15.87 180.14
 110.00 9 9 0 1350.57 -10.27 341.79 6.95 122.78 9 31 31 750.6 -5.88 335.45
 110.00 19 56 11 4308.82 21.12 168.62 8.38 62.48 21 8 0 3708.8 17.27 161.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.4872 TRA .4556 TC3-5.1187 BAU .5102 SGT 3018.4 SGR 1839.4 SG3 1189.5 ST 1135.3 SR 713.4 SS 1795.4
 RDE -.2902 RRA .4334 RC3-2.7691 FAU .15382 RRT .9771 RRF .9969 RTF .9788 CRT .9890 CRS -.9965 CST -.9977
 FDE -2.6091 FRA 3.0565 FC-20.3080 BSP 10755 SGB 3534.7 R23 .1336 R13 .9882 LSA 2238.8 MSA 93.1 SSA 15.4
 BDE .5670 BRA .6288 BC3 5.8197 FSP -3830 SG1 3518.7 SG2 335.9 THA 31.09 EL1 1337.8 EL2 89.5 ALF 32.02

LAUNCH DATE MAY 25 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 455.889

RL 151.51 LAL .00 LOL 243.12 VL 26.979 GAL 1.99 AZL 91.49 HCA 203.23 SMA 129.60 ECC .17251 INC 1.4896 V1 29.406
 RP 107.69 LAP .59 LOP 86.34 VP 37.958 GAP 1.99 AZP 88.63 TAL 170.35 TAP 13.58 RCA 107.25 APO 151.96 V2 35.190
 RC 100.092 GL -15.49 GP -22.86 ZAL 76.25 ZAP 116.16 ETS 349.20 ZAE 144.98 ETE 211.98 ZAC 120.63 ETC 4.61 CLP-118.58

PLANETOCENTRIC CONIC

C3 6.890 VHL 2.625 DLA -9.29 RAL 162.35 RAD 6567.2 VEL 11.326 PTH 1.95 VHP 3.365 DPA -6.36 RAP 143.65 ECC 1.1134
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 29 1700.15 -4.68 11.08 8.75 117.96 7 41 49 1100.2 -.90 4.44
 90.00 16 50 35 4928.40 21.20 214.90 10.73 70.77 18 12 44 4328.4 18.38 207.36
 100.00 8 30 16 1452.40 -5.40 352.47 8.35 119.44 8 54 29 852.4 -1.44 345.92
 100.00 18 16 29 4651.38 21.98 194.23 10.42 69.21 19 34 0 4051.4 18.95 186.74
 110.00 9 28 10 1271.11 -7.31 337.54 7.17 123.49 9 49 21 671.1 -2.86 331.28
 110.00 19 35 4 4405.44 24.04 174.60 9.48 64.93 20 48 30 3805.4 20.46 167.29

DIFFERENTIAL CORRECTIONS

TDE -.6427 TRA .5196 TC3-5.3665 BAU .5357
 RDE -.2703 RRA .3744 RC3-2.2410 FAU .15174
 FDE -2.9727 FRA 3.0531 FC-19.0664 BSP 11271
 BDE .6973 BRA .6404 BC3 5.8157 FSP -3827

MID-COURSE EXECUTION ACCURACY

SGT 3350.5 SGR 1555.0 SG3 1184.3
 RRT .9777 RRF .9944 RTF .9812
 SGB 3693.8 R23 .1310 R13 .9867
 SG1 3681.8 SG2 297.1 THA 24.58

ORBIT DETERMINATION ACCURACY

ST 1447.2 SR 641.2 SS 1978.1
 CRT .9876 CRS -.9954 CST -.9980
 LSA 2531.3 MSA 102.5 SSA 14.6
 EL1 1580.2 EL2 92.0 ALF 23.72

LAUNCH DATE MAY 25 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 462.135

RL 151.51 LAL .00 LOL 243.12 VL 26.966 GAL 2.12 AZL 91.74 HCA 206.46 SMA 129.52 ECC .17369 INC 1.7396 V1 29.406
 RP 107.66 LAP .78 LOP 89.57 VP 37.958 GAP 2.39 AZP 88.44 TAL 169.81 TAP 16.27 RCA 107.02 APO 152.01 V2 35.199
 RC 102.344 GL -17.71 GP -19.76 ZAL 75.28 ZAP 120.57 ETS 348.93 ZAE 143.92 ETE 205.68 ZAC 121.24 ETC 6.20 CLP-122.72

PLANETOCENTRIC CONIC

C3 7.233 VHL 2.689 DLA -11.78 RAL 162.53 RAD 6567.2 VEL 11.341 PTH 1.95 VHP 3.420 DPA -3.16 RAP 143.84 ECC 1.1190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 32 1626.45 -2.31 6.96 9.59 118.23 8 1 38 1026.4 1.48 .33
 90.00 16 30 55 5019.28 23.12 220.88 12.15 73.17 17 54 35 4419.3 20.59 213.11
 100.00 8 49 54 1383.30 -3.08 348.66 9.17 119.75 9 12 57 783.3 .90 342.13
 100.00 17 58 15 4737.66 23.95 199.87 11.86 71.56 19 17 12 4137.7 21.21 192.15
 110.00 9 44 37 1211.91 -5.08 334.41 7.93 123.85 10 4 49 611.9 -.60 328.19
 110.00 19 20 0 4481.82 26.15 179.53 10.95 67.16 20 34 42 3881.8 22.83 171.95

DIFFERENTIAL CORRECTIONS

TDE -.7904 TRA .5887 TC3-5.5511 BAU .5654
 RDE -.2406 RRA .3304 RC3-1.8363 FAU .14625
 FDE -3.1868 FRA 3.0130 FC-17.5052 BSP 11908
 BDE .8262 BRA .6751 BC3 5.8469 FSP -3727

MID-COURSE EXECUTION ACCURACY

SGT 3659.5 SGR 1324.9 SG3 1151.9
 RRT .9763 RRF .9905 RTF .9827
 SGB 3892.0 R23 .1189 R13 .9860
 SG1 3882.6 SG2 270.4 THA 19.57

ORBIT DETERMINATION ACCURACY

ST 1729.5 SR 556.9 SS 2090.2
 CRT .9850 CRS -.9932 CST -.9983
 LSA 2767.4 MSA 108.2 SSA 14.6
 EL1 1814.6 EL2 91.7 ALF 17.64

LAUNCH DATE MAY 25 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 468.362

RL 151.51 LAL .00 LOL 243.12 VL 26.952 GAL 2.26 AZL 91.94 HCA 209.70 SMA 129.42 ECC .17506 INC 1.9389 V1 29.406
 RP 107.63 LAP .96 LOP 92.80 VP 37.956 GAP 2.79 AZP 88.32 TAL 169.23 TAP 18.92 RCA 106.77 APO 152.08 V2 35.208
 RC 104.596 GL -19.32 GP -17.26 ZAL 74.21 ZAP 124.66 ETS 348.80 ZAE 142.46 ETE 200.81 ZAC 121.56 ETC 7.59 CLP-126.55

PLANETOCENTRIC CONIC

C3 7.585 VHL 2.754 DLA -13.74 RAL 163.01 RAD 6567.2 VEL 11.357 PTH 1.96 VHP 3.505 DPA -.60 RAP 144.08 ECC 1.1248
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 17 1567.98 -.43 3.70 10.79 118.31 8 19 25 968.0 3.36 357.06
 90.00 16 16 0 5094.83 24.51 225.97 13.82 75.36 17 40 55 4494.8 22.26 218.02
 100.00 9 7 24 1328.88 -1.24 345.67 10.34 119.87 9 29 33 728.9 2.75 339.15
 100.00 17 44 35 4809.15 25.41 204.69 13.55 73.70 19 4 44 4209.2 22.93 196.77
 110.00 9 59 24 1166.01 -3.33 332.00 9.03 124.04 10 18 50 566.0 1.16 325.80
 110.00 19 9 4 4544.79 27.75 183.73 12.67 69.18 20 24 49 3944.8 24.66 175.92

DIFFERENTIAL CORRECTIONS

TDE -.9317 TRA .6623 TC3-5.6825 BAU .5966
 RDE -.2077 RRA .2971 RC3-1.5239 FAU .13867
 FDE -3.2916 FRA 2.9520 FC-15.8283 BSP 12634
 BDE .9546 BRA .7259 BC3 5.8833 FSP -3583

MID-COURSE EXECUTION ACCURACY

SGT 3945.4 SGR 1138.5 SG3 1102.7
 RRT .9723 RRF .9842 RTF .9837
 SGB 4106.4 R23 .1014 R13 .9856
 SG1 4098.4 SG2 256.2 THA 15.74

ORBIT DETERMINATION ACCURACY

ST 1986.8 SR 473.1 SS 2153.3
 CRT .9801 CRS -.9893 CST -.9985
 LSA 2965.7 MSA 112.0 SSA 14.9
 EL1 2040.3 EL2 91.4 ALF 13.16

LAUNCH DATE MAY 25 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 474.570

RL 151.51 LAL .00 LOL 243.12 VL 26.937 GAL 2.42 AZL 92.10 HCA 212.94 SMA 129.32 ECC .17659 INC 2.1021 V1 29.406
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.952 GAP 3.19 AZP 88.24 TAL 168.60 TAP 21.53 RCA 106.48 APO 152.15 V2 35.216
 RC 106.849 GL -20.50 GP -15.20 ZAL 73.07 ZAP 128.44 ETS 348.75 ZAE 140.85 ETE 197.10 ZAC 121.61 ETC 8.78 CLP-130.11

PLANETOCENTRIC CONIC

C3 7.948 VHL 2.819 DLA -15.34 RAL 163.73 RAD 6567.3 VEL 11.373 PTH 1.96 VHP 3.612 DPA 1.45 RAP 144.43 ECC 1.1308
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 32 1520.13 1.12 1.03 12.25 118.30 8 35 53 920.1 4.89 354.38
 90.00 16 4 28 5159.77 25.55 230.44 15.67 77.37 17 30 28 4559.8 23.56 222.34
 100.00 9 23 30 1284.71 .26 343.24 11.77 119.89 9 44 55 684.7 4.24 336.71
 100.00 17 34 11 4870.42 26.51 208.91 15.42 75.65 18 55 22 4270.4 24.28 200.82
 110.00 10 13 5 1129.41 -1.94 330.09 10.40 124.13 10 31 54 529.4 2.56 323.89
 110.00 19 1 6 4598.49 28.99 187.42 14.58 71.04 20 17 44 3998.5 26.13 179.40

DIFFERENTIAL CORRECTIONS

TDE -1.0660 TRA .7422 TC3-5.7609 BAU .6270
 RDE -.1742 RRA .2720 RC3-1.2802 FAU .12992
 FDE -3.3142 FRA 2.8843 FC-14.1519 BSP 13338
 BDE 1.0801 BRA .7904 BC3 5.9015 FSP -3398

MID-COURSE EXECUTION ACCURACY

SGT 4206.0 SGR 987.4 SG3 1043.9
 RRT .9651 RRF .9747 RTF .9842
 SGB 4320.3 R23 .0817 R13 .9854
 SG1 4313.0 SG2 252.0 THA 12.81

ORBIT DETERMINATION ACCURACY

ST 2218.8 SR 394.2 SS 2179.1
 CRT .9716 CRS -.9823 CST -.9987
 LSA 3132.6 MSA 114.9 SSA 15.3
 EL1 2251.7 EL2 91.9 ALF 9.81

LAUNCH DATE MAY 25 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 26.920 GAL 2.59 AZL 92.24 HCA 216.18 SMA 129.20 ECC .17830 INC 2.2392 V1 29.406
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.947 GAP 3.58 AZP 88.19 TAL 167.93 TAP 24.10 RCA 106.17 APO 152.24 V2 35.223
 RC 109.101 GL -21.36 GP -13.50 ZAL 71.84 ZAP 131.93 ETS 348.76 ZAE 139.22 ETE 194.26 ZAC 121.43 ETC 9.81 CLP-133.41

PLANETOCENTRIC CONIC
 C3 8.327 VHL 2.886 OLA -16.67 RAL 164.63 RAD 6567.3 VEL 11.389 PTH 1.97 VHP 3.737 DPA 3.08 RAP 144.91 ECC 1.1370
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 45 1480.10 2.41 358.79 13.91 118.22 8 51 26 880.1 6.16 352.13
 90.00 15 55 29 5217.12 26.35 234.46 17.67 79.23 17 22 26 4617.1 24.59 226.23
 100.00 9 38 39 1248.11 1.50 341.24 13.41 119.86 9 59 27 648.1 5.46 334.69
 100.00 17 26 16 4924.34 27.36 212.69 17.44 77.47 18 48 21 4324.3 25.36 204.46
 110.00 10 26 2 1099.68 -.80 328.54 11.97 124.17 10 44 22 499.7 3.69 322.33
 110.00 18 55 23 4645.53 29.99 190.72 16.64 72.76 20 12 48 4045.5 27.34 182.53

DIFFERENTIAL CORRECTIONS
 TOE-1.1934 TRA .8293 TC3-5.7889 BAU .6557 SGT 4441.9 SGR 864.9 SG3 980.6 ST 2427.1 SR 322.8 SS 2177.0
 RDE -.1416 RRA .2532 RC3-1.0870 FAU .12053 RRT .9538 RRF .9611 RTF .9844 CRT .9564 CRS -.9693 CST -.9988
 FDE-3.2776 FRA 2.8196 FC-12.5313 BSP 13999 SGB 4525.4 R23 .0634 R13 .9851 LSA 3274.2 MSA 117.7 SSA 15.8
 BDE 1.2018 BRA .8671 BC3 5.8901 FSP -3193 SG1 4518.1 SG2 255.6 THA 10.55 EL1 2446.7 EL2 93.5 ALF 7.26

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 25 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 26.902 GAL 2.77 AZL 92.36 HCA 219.42 SMA 129.08 ECC .18018 INC 2.3567 V1 29.406
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.940 GAP 3.98 AZP 88.18 TAL 167.22 TAP 26.64 RCA 105.82 APO 152.34 V2 35.230
 RC 111.351 GL -21.96 GP -12.07 ZAL 70.54 ZAP 135.14 ETS 348.78 ZAE 137.64 ETE 192.08 ZAC 121.02 ETC 10.67 CLP-136.46

PLANETOCENTRIC CONIC
 C3 8.727 VHL 2.954 OLA -17.80 RAL 165.70 RAD 6567.3 VEL 11.407 PTH 1.97 VHP 3.875 DPA 4.38 RAP 145.53 ECC 1.1436
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 14 1446.13 3.50 356.90 15.75 118.12 9 6 20 846.1 7.24 350.21
 90.00 15 48 30 5268.83 26.95 238.12 19.80 80.97 17 16 19 4668.8 25.43 229.78
 100.00 9 53 7 1217.38 2.54 339.55 15.22 119.79 10 13 24 617.4 6.49 332.98
 100.00 17 20 17 4972.82 28.03 216.13 19.59 79.17 18 43 10 4372.8 26.25 207.78
 110.00 10 38 28 1075.32 .13 327.27 13.71 124.18 10 56 23 475.3 4.62 321.05
 110.00 18 51 26 4687.65 30.80 193.73 18.84 74.38 20 9 34 4087.6 28.35 185.39

DIFFERENTIAL CORRECTIONS
 TOE-1.3178 TRA .9203 TC3-5.7894 BAU .6842 SGT 4663.3 SGR 767.2 SG3 918.2 ST 2618.9 SR 260.9 SS 2160.7
 RDE -.1112 RRA .2384 RC3 -.9366 FAU .11160 RRT .9376 RRF .9423 RTF .9845 CRT .9295 CRS -.9454 CST -.9989
 FDE-3.2114 FRA 2.7488 FC-11.0712 BSP 14676 SGB 4726.0 R23 .0467 R13 .9850 LSA 3403.1 MSA 120.0 SSA 16.2
 BDE 1.3224 BRA .9507 BC3 5.8646 FSP -2999 SG1 4718.6 SG2 263.6 THA 8.80 EL1 2630.2 EL2 95.8 ALF 5.30

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 25 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 26.882 GAL 2.97 AZL 92.46 HCA 222.66 SMA 128.95 ECC .18224 INC 2.4591 V1 29.406
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.932 GAP 4.38 AZP 88.19 TAL 166.48 TAP 29.13 RCA 105.45 APO 152.45 V2 35.236
 RC 113.598 GL -22.38 GP -10.86 ZAL 69.18 ZAP 138.12 ETS 348.81 ZAE 136.16 ETE 190.39 ZAC 120.42 ETC 11.39 CLP-139.30

PLANETOCENTRIC CONIC
 C3 9.154 VHL 3.026 OLA -18.77 RAL 166.89 RAD 6567.3 VEL 11.426 PTH 1.98 VHP 4.025 DPA 5.40 RAP 146.29 ECC 1.1507
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 8 1417.08 4.43 355.27 17.73 118.00 9 20 45 817.1 8.14 348.55
 90.00 15 43 7 5316.26 27.41 241.52 22.05 82.61 17 11 43 4716.3 26.11 235.09
 100.00 10 7 4 1191.43 3.42 338.12 17.17 119.71 10 26 55 591.4 7.35 331.54
 100.00 17 15 53 5017.14 28.56 219.32 21.86 80.77 18 39 30 4417.1 26.99 210.87
 110.00 10 50 30 1055.32 .90 326.23 15.60 124.17 11 8 5 455.3 5.38 320.00
 110.00 18 48 56 4726.02 31.47 196.52 21.16 75.90 20 7 42 4126.0 29.21 188.04

DIFFERENTIAL CORRECTIONS
 TOE-1.4373 TRA 1.0181 TC3-5.7514 BAU .7109 SGT 4864.9 SGR 688.6 SG3 856.9 ST 2791.5 SR 207.9 SS 2130.8
 RDE -.0826 RRA .2272 RC3 -.8151 FAU .10292 RRT .9156 RRF .9174 RTF .9845 CRT .8792 CRS -.8993 CST -.9990
 FDE-3.1208 FRA 2.6809 FC3-9.7329 BSP 15314 SGB 4913.4 R23 .0325 R13 .9848 LSA 3515.8 MSA 122.2 SSA 16.6
 BDE 1.4397 BRA 1.0431 BC3 5.8089 FSP -2810 SG1 4905.7 SG2 274.5 THA 7.41 EL1 2797.5 EL2 98.9 ALF 3.75

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 25 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 26.862 GAL 3.18 AZL 92.55 HCA 225.90 SMA 128.81 ECC .18449 INC 2.5496 V1 29.406
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.923 GAP 4.78 AZP 88.23 TAL 165.70 TAP 31.60 RCA 105.05 APO 152.58 V2 35.241
 RC 115.842 GL -22.63 GP -9.84 ZAL 67.77 ZAP 140.87 ETS 348.82 ZAE 134.78 ETE 189.06 ZAC 119.64 ETC 11.98 CLP-141.93

PLANETOCENTRIC CONIC
 C3 9.615 VHL 3.101 OLA -19.62 RAL 168.20 RAD 6567.3 VEL 11.446 PTH 1.99 VHP 4.185 DPA 6.18 RAP 147.19 ECC 1.1582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 11 36 1392.17 5.23 353.87 19.85 117.87 9 34 48 792.2 8.92 347.13
 90.00 15 39 5 5360.33 27.76 244.69 24.40 84.17 17 8 26 4760.3 26.66 236.20
 100.00 10 20 35 1169.53 4.16 336.91 19.27 119.63 10 40 4 569.5 8.07 330.31
 100.00 17 12 47 5058.20 28.97 222.30 24.24 82.28 18 37 5 4458.2 27.60 213.77
 110.00 11 2 14 1039.02 1.52 325.38 17.62 124.15 11 19 33 439.0 5.99 319.14
 110.00 18 47 37 4761.47 32.03 199.13 23.60 77.35 20 6 59 4161.5 29.95 190.53

DIFFERENTIAL CORRECTIONS
 TOE-1.5526 TRA 1.1234 TC3-5.6789 BAU .7358 SGT 5048.8 SGR 625.8 SG3 798.2 ST 2946.0 SR 165.1 SS 2090.8
 RDE -.0554 RRA .2187 RC3 -.7156 FAU .09461 RRT .8870 RRF .8857 RTF .9843 CRT .7823 CRS -.8080 CST -.9990
 FDE-3.0148 FRA 2.6193 FC3-8.5185 BSP 15900 SGB 5087.4 R23 .0210 R13 .9845 LSA 3614.1 MSA 124.8 SSA 16.9
 BDE 1.5536 BRA 1.1445 BC3 5.7238 FSP -2624 SG1 5079.3 SG2 287.2 THA 6.29 EL1 2948.8 EL2 102.7 ALF 2.51

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 25 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 26.840 GAL 3.40 AZL 92.63 HCA 229.15 SMA 128.67 ECC .18693 INC 2.6307 V1 29.406
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.912 GAP 5.18 AZP 88.28 TAL 164.89 TAP 34.03 RCA 104.62 APO 152.72 V2 35.246
 RC 118.080 GL -22.75 GP -8.96 ZAL 66.30 ZAP 143.42 ETS 348.81 ZAE 133.52 ETE 188.01 ZAC 118.71 ETC 12.46 CLP-144.39

PLANETOCENTRIC CONIC
 C3 10.115 VHL 3.180 DLA -20.37 RAL 169.60 RAD 6567.4 VEL 11.468 PTH 1.99 VHP 4.355 DPA 6.76 RAP 148.22 ECC 1.1665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 39 1370.93 5.90 352.67 22.10 117.75 9 48 30 770.9 9.57 345.91
 90.00 15 36 12 5401.68 28.01 247.69 26.85 85.65 17 6 14 4801.7 27.11 239.14
 100.00 10 33 44 1151.21 4.77 335.90 21.48 119.54 10 52 56 551.2 8.67 329.29
 100.00 17 10 48 5096.63 29.29 225.12 26.71 83.73 18 35 45 4496.6 28.11 216.51
 110.00 11 13 42 1026.00 2.02 324.70 19.76 124.13 11 30 48 426.0 6.48 318.46
 110.00 18 47 21 4794.60 32.49 201.60 26.14 78.75 20 7 15 4194.6 30.60 192.90

DIFFERENTIAL CORRECTIONS
 TDE-1.6642 TRA 1.2365 TC3-5.5757 BAU .7588 SGT 5216.6 SGR 575.8 SG3 742.6 ST 3083.4 SR 134.2 SS 2043.6
 RDE -.0297 RRA .2124 RC3 -.6328 FAU .08677 RRT .8516 RRF .8469 RTF .9841 CRT .6016 CRS -.6340 CST -.9991
 FDE-2.9003 FRA 2.5627 FC3-7.4266 BSP 16447 SGB 5248.3 R23 .0117 R13 .9841 LSA 3699.4 MSA 127.8 SSA 17.2
 BDE 1.6644 BRA 1.2546 BC3 5.6115 FSP -2449 SG1 5239.7 SG2 300.5 THA 5.39 EL1 3084.5 EL2 107.2 ALF 1.50

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 25 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 26.818 GAL 3.65 AZL 92.70 HCA 232.39 SMA 128.52 ECC .18956 INC 2.7042 V1 29.406
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.899 GAP 5.58 AZP 88.35 TAL 164.04 TAP 36.44 RCA 104.15 APO 152.88 V2 35.250
 RC 120.312 GL -22.75 GP -8.21 ZAL 64.80 ZAP 145.80 ETS 348.77 ZAE 132.37 ETE 187.17 ZAC 117.64 ETC 12.84 CLP-146.68

PLANETOCENTRIC CONIC
 C3 10.661 VHL 3.265 DLA -21.02 RAL 171.08 RAD 6567.4 VEL 11.491 PTH 2.00 VHP 4.532 DPA 7.17 RAP 149.36 ECC 1.1754
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 21 1353.02 6.47 351.66 24.44 117.63 10 1 54 753.0 10.12 344.88
 90.00 15 34 20 5440.78 28.18 250.54 29.39 87.07 17 5 1 4840.8 27.47 241.95
 100.00 10 46 33 1136.15 5.28 335.07 23.79 119.47 11 5 29 536.1 9.16 328.44
 100.00 17 9 49 5132.89 29.53 227.79 29.28 85.12 18 35 22 4532.9 28.54 219.12
 110.00 11 24 54 1015.95 2.40 324.17 22.01 124.11 11 41 50 416.0 6.86 317.93
 110.00 18 47 57 4825.85 32.88 203.96 28.78 80.09 20 8 23 4225.8 31.17 195.15

DIFFERENTIAL CORRECTIONS
 TDE-1.7707 TRA 1.3601 TC3-5.4372 BAU .7791 SGT 5366.5 SGR 536.3 SG3 690.1 ST 3202.3 SR 118.1 SS 1989.2
 RDE -.0049 RRA .2080 RC3 -.5619 FAU .07923 RRT .8093 RRF .8014 RTF .9836 CRT .3109 CRS -.3489 CST -.9991
 FDE-2.7785 FRA 2.5159 FC3-6.4345 BSP 16902 SGB 5393.3 R23 .0045 R13 .9837 LSA 3769.4 MSA 131.4 SSA 17.3
 BDE 1.7707 BRA 1.3759 BC3 5.4662 FSP -2276 SG1 5384.1 SG2 314.0 THA 4.64 EL1 3202.6 EL2 112.3 ALF .66

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 25 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 26.795 GAL 3.91 AZL 92.77 HCA 235.64 SMA 128.36 ECC .19240 INC 2.7716 V1 29.406
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.886 GAP 5.99 AZP 88.43 TAL 163.17 TAP 38.81 RCA 103.66 APO 153.06 V2 35.253
 RC 122.538 GL -22.66 GP -7.56 ZAL 63.26 ZAP 148.02 ETS 348.70 ZAE 131.33 ETE 186.48 ZAC 116.44 ETC 13.14 CLP-148.83

PLANETOCENTRIC CONIC
 C3 11.260 VHL 3.356 DLA -21.60 RAL 172.63 RAD 6567.4 VEL 11.517 PTH 2.01 VHP 4.718 DPA 7.43 RAP 150.61 ECC 1.1853
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 41 1338.28 6.93 350.83 26.89 117.52 10 14 59 738.3 10.57 344.03
 90.00 15 33 22 5477.93 28.28 253.25 32.02 88.43 17 4 39 4877.9 27.76 244.63
 100.00 10 59 1 1124.16 5.68 334.41 26.21 119.40 11 17 46 524.2 9.55 327.76
 100.00 17 9 42 5167.29 29.70 230.33 31.94 86.44 18 35 49 4567.3 28.89 221.62
 110.00 11 35 52 1008.70 2.68 323.79 24.34 124.09 11 52 40 408.7 7.13 317.54
 110.00 18 49 21 4855.51 33.21 206.21 31.50 81.39 20 10 17 4255.5 31.66 197.32

DIFFERENTIAL CORRECTIONS
 TDE-1.8774 TRA 1.4897 TC3-5.2859 BAU .7993 SGT 5508.6 SGR 505.7 SG3 642.2 ST 3310.7 SR 117.6 SS 1935.6
 RDE .0187 RRA .2045 RC3 -.5023 FAU .07253 RRT .7614 RRF .7501 RTF .9833 CRT -.0230 CRS -.0161 CST -.9992
 FDE-2.6632 FRA 2.4690 FC3-5.5771 BSP 17385 SGB 5531.8 R23 -.0019 R13 .9833 LSA 3834.4 MSA 134.8 SSA 17.4
 BDE 1.8775 BRA 1.5037 BC3 5.3097 FSP -2126 SG1 5522.1 SG2 327.1 THA 4.01 EL1 3310.7 EL2 117.5 ALF 179.95

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 25 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC
 RL 151.51 LAL .00 LOL 243.12 VL 26.770 GAL 4.18 AZL 92.83 HCA 238.89 SMA 128.20 ECC .19547 INC 2.8340 V1 29.406
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.871 GAP 6.40 AZP 88.53 TAL 162.28 TAP 41.16 RCA 103.14 APO 153.26 V2 35.256
 RC 124.755 GL -22.48 GP -6.99 ZAL 61.70 ZAP 150.10 ETS 348.58 ZAE 130.38 ETE 185.92 ZAC 115.13 ETC 13.36 CLP-150.85

PLANETOCENTRIC CONIC
 C3 11.919 VHL 3.452 DLA -22.11 RAL 174.23 RAD 6567.5 VEL 11.546 PTH 2.02 VHP 4.912 DPA 7.56 RAP 151.96 ECC 1.1962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 5 37 1326.59 7.30 350.16 29.42 117.44 10 27 44 726.6 10.92 343.35
 90.00 15 33 13 5513.37 28.32 255.85 34.72 89.73 17 5 6 4913.4 27.98 247.20
 100.00 11 11 8 1115.13 5.98 333.91 28.70 119.34 11 29 43 515.1 9.85 327.25
 100.00 17 10 23 5200.07 29.81 232.76 34.68 87.72 18 37 3 4600.1 29.18 224.01
 110.00 11 46 33 1004.12 2.85 323.55 26.77 124.08 12 3 17 404.1 7.31 317.30
 110.00 18 51 28 4883.84 33.48 208.38 34.32 82.64 20 12 51 4283.8 32.10 199.42

DIFFERENTIAL CORRECTIONS
 TDE-1.9816 TRA 1.6285 TC3-5.1126 BAU .8179 SGT 5638.0 SGR 482.0 SG3 597.7 ST 3404.7 SR 129.1 SS 1879.5
 RDE .0417 RRA .2019 RC3 -.4503 FAU .06630 RRT .7084 RRF .6938 RTF .9829 CRT -.2999 CRS .2633 CST -.9992
 FDE-2.5493 FRA 2.4270 FC3-4.8158 BSP 17825 SGB 5658.5 R23 -.0070 R13 .9828 LSA 3888.6 MSA 138.7 SSA 17.3
 BDE 1.9820 BRA 1.6410 BC3 5.1324 FSP -1986 SG1 5648.3 SG2 339.6 THA 3.48 EL1 3404.9 EL2 123.1 ALF 179.35

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 25 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 529.449

RL 151.51 LAL .00 LOL 243.12 VL 26.746 GAL 4.48 AZL 92.89 HCA 242.13 SMA 128.04 ECC .19876 INC 2.8923 V1 29.406
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.855 GAP 6.82 AZP 88.65 TAL 161.36 TAP 43.49 RCA 102.59 APO 153.49 V2 35.258
 RC 126.964 GL -22.23 GP -6.49 ZAL 60.11 ZAP 152.06 ETS 348.43 ZAE 129.52 ETE 185.46 ZAC 113.72 ETC 13.53 CLP-152.76

PLANETOCENTRIC CONIC

C3 12.648 VHL 3.556 DLA -22.56 RAL 175.88 RAD 6567.5 VEL 11.577 PTH 2.02 VHP 5.114 DPA 7.57 RAP 153.39 ECC 1.2082
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 18 8 1317.91 7.57 349.67 32.03 117.37 10 40 6 717.9 11.18 342.85
 90.00 15 33 51 5547.24 28.30 258.32 37.50 90.97 17 6 18 4947.2 28.14 249.66
 100.00 11 22 52 1108.99 6.19 333.56 31.28 119.30 11 41 21 509.0 10.04 326.90
 100.00 17 11 48 5231.39 29.88 235.09 37.49 88.94 18 38 59 4631.4 29.41 226.31
 110.00 11 56 57 1002.12 2.93 323.45 29.26 124.07 12 13 39 402.1 7.38 317.19
 110.00 18 54 12 4911.03 33.69 210.47 37.21 83.86 20 16 3 4311.0 32.48 201.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0848 TRA 1.7764 TC3-4.9234 BAU .8353 SGT 5757.3 SGR 463.8 SG3 556.8 ST 3486.5 SR 147.4 SS 1823.4
 RDE .0642 RRA .1999 RC3 -.4044 FAU .06060 RRT .6519 RRF .6342 RTF .9824 CRT -.4851 CRS .4524 CST -.9992
 FDE-2.4406 FRA 2.3891 FC3-4.1479 BSP 18251 SGB 5776.0 R23 -.0114 R13 .9824 LSA 3934.6 MSA 142.8 SSA 17.2
 BDE 2.0857 BRA 1.7876 BC3 4.9400 FSP -1859 SG1 5765.3 SG2 351.2 THA 3.02 EL1 3487.2 EL2 128.9 ALF 178.82

LAUNCH DATE MAY 25 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 535.419

RL 151.51 LAL .00 LOL 243.12 VL 26.720 GAL 4.79 AZL 92.95 HCA 245.38 SMA 127.87 ECC .20229 INC 2.9471 V1 29.406
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.838 GAP 7.24 AZP 88.77 TAL 160.41 TAP 45.79 RCA 102.00 APO 153.74 V2 35.259
 RC 129.165 GL -21.91 GP -6.05 ZAL 58.52 ZAP 153.90 ETS 348.23 ZAE 128.74 ETE 185.07 ZAC 112.23 ETC 13.65 CLP-154.57

PLANETOCENTRIC CONIC

C3 13.457 VHL 3.668 DLA -22.94 RAL 177.56 RAD 6567.5 VEL 11.612 PTH 2.03 VHP 5.324 DPA 7.49 RAP 154.90 ECC 1.2215
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 30 11 1312.23 7.75 349.35 34.70 117.32 10 52 4 712.2 11.35 342.52
 90.00 15 35 12 5579.64 28.24 260.69 40.34 92.16 17 8 11 4979.6 28.24 252.03
 100.00 11 34 10 1105.72 6.29 333.38 33.92 119.28 11 52 36 505.7 10.15 326.72
 100.00 17 13 54 5261.39 29.89 237.32 40.38 90.12 18 41 35 4661.4 29.59 228.52
 110.00 12 7 3 1002.64 2.91 323.48 31.82 124.07 12 23 45 402.6 7.36 317.22
 110.00 18 57 31 4937.22 33.87 212.50 40.18 85.05 20 19 48 4337.2 32.81 203.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1825 TRA 1.9385 TC3-4.7059 BAU .8491 SGT 5860.9 SGR 450.0 SG3 518.6 ST 3550.2 SR 169.3 SS 1763.1
 RDE .0868 RRA .1986 RC3 -.3623 FAU .05502 RRT .5927 RRF .5723 RTF .9818 CRT -.6018 CRS .5724 CST -.9993
 FDE-2.3300 FRA 2.3610 FC3-3.5400 BSP 18547 SGB 5878.2 R23 -.0146 R13 .9818 LSA 3964.7 MSA 147.7 SSA 17.1
 BDE 2.1842 BRA 1.9487 BC3 4.7198 FSP -1729 SG1 5867.0 SG2 362.1 THA 2.62 EL1 3551.6 EL2 135.1 ALF 178.35

LAUNCH DATE MAY 25 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 541.358

RL 151.51 LAL .00 LOL 243.12 VL 26.694 GAL 5.12 AZL 93.00 HCA 248.63 SMA 127.70 ECC .20609 INC 2.9992 V1 29.406
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.820 GAP 7.68 AZP 88.91 TAL 159.45 TAP 48.08 RCA 101.38 APO 154.02 V2 35.259
 RC 131.355 GL -21.54 GP -5.67 ZAL 56.92 ZAP 155.65 ETS 347.97 ZAE 128.03 ETE 184.73 ZAC 110.66 ETC 13.73 CLP-156.28

PLANETOCENTRIC CONIC

C3 14.354 VHL 3.789 DLA -23.27 RAL 179.27 RAD 6567.6 VEL 11.651 PTH 2.05 VHP 5.542 DPA 7.31 RAP 156.48 ECC 1.2362
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 44 1309.59 7.83 349.20 37.44 117.30 11 3 34 709.6 11.43 342.37
 90.00 15 37 14 5610.62 28.14 262.95 43.24 93.28 17 10 45 5010.6 28.30 254.29
 100.00 11 45 2 1105.30 6.31 333.36 36.61 119.28 12 3 27 505.3 10.16 326.69
 100.00 17 16 38 5290.14 29.87 239.45 43.32 91.24 18 44 48 4690.1 29.72 230.65
 110.00 12 16 48 1005.67 2.79 323.64 34.44 124.08 12 33 34 405.7 7.25 317.38
 110.00 19 1 21 4962.53 34.00 214.46 43.21 86.21 20 24 4 4362.5 33.10 205.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2828 TRA 2.1074 TC3-4.4885 BAU .8636 SGT 5959.9 SGR 439.5 SG3 483.8 ST 3607.1 SR 191.6 SS 1706.8
 RDE .1090 RRA .1971 RC3 -.3251 FAU .05015 RRT .5323 RRF .5095 RTF .9814 CRT -.6759 CRS .6493 CST -.9993
 FDE-2.2302 FRA 2.3315 FC3-3.0249 BSP 18910 SGB 5976.1 R23 -.0177 R13 .9813 LSA 3992.2 MSA 152.3 SSA 16.9
 BDE 2.2854 BRA 2.1166 BC3 4.5002 FSP -1621 SG1 5964.6 SG2 371.8 THA 2.26 EL1 3609.4 EL2 141.1 ALF 177.94

LAUNCH DATE MAY 25 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 547.263

RL 151.51 LAL .00 LOL 243.12 VL 26.668 GAL 5.48 AZL 93.05 HCA 251.88 SMA 127.53 ECC .21016 INC 3.0490 V1 29.406
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.801 GAP 8.12 AZP 89.05 TAL 158.47 TAP 50.34 RCA 100.72 APO 154.33 V2 35.259
 RC 133.537 GL -21.12 GP -5.33 ZAL 55.31 ZAP 157.31 ETS 347.66 ZAE 127.39 ETE 184.45 ZAC 109.01 ETC 13.78 CLP-157.91

PLANETOCENTRIC CONIC

C3 15.354 VHL 3.918 DLA -23.55 RAL 180.98 RAD 6567.6 VEL 11.694 PTH 2.06 VHP 5.769 DPA 7.06 RAP 158.11 ECC 1.2527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 52 44 1310.01 7.82 349.22 40.22 117.30 11 14 34 710.0 11.42 342.39
 90.00 15 39 57 5640.24 28.01 265.11 46.20 94.36 17 13 57 5040.2 28.32 256.46
 100.00 11 55 24 1107.75 6.23 333.50 39.36 119.30 12 13 52 507.7 10.09 326.83
 100.00 17 19 59 5317.73 29.81 241.50 46.32 92.32 18 48 36 4717.7 29.81 232.70
 110.00 12 26 12 1011.17 2.58 323.92 37.10 124.10 12 43 3 411.2 7.04 317.67
 110.00 19 5 40 4987.08 34.09 216.37 46.31 87.33 20 28 47 4387.1 33.35 207.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3824 TRA 2.2879 TC3-4.2601 BAU .8765 SGT 6049.9 SGR 431.6 SG3 451.9 ST 3653.0 SR 213.8 SS 1651.2
 RDE .1314 RRA .1957 RC3 -.2910 FAU .04562 RRT .4714 RRF .4466 RTF .9809 CRT -.7247 CRS .7005 CST -.9993
 FDE-2.1356 FRA 2.3067 FC3-2.5722 BSP 19244 SGB 6065.2 R23 -.0201 R13 .9809 LSA 4011.5 MSA 157.1 SSA 16.6
 BDE 2.3860 BRA 2.2963 BC3 4.2701 FSP -1520 SG1 6053.3 SG2 380.4 THA 1.93 EL1 3656.3 EL2 147.2 ALF 177.57

LAUNCH DATE MAY 25 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 553.132

RL 151.51 LAL .00 LOL 243.12 VL 26.641 GAL 5.85 AZL 93.10 HCA 255.12 SMA 127.35 ECC .21454 INC 3.0970 V1 29.406
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.781 GAP 8.57 AZP 89.20 TAL 157.47 TAP 52.60 RCA 100.03 APO 154.67 V2 35.257
 RC 135.709 GL -20.66 GP -5.02 ZAL 53.72 ZAP 158.89 ETS 347.29 ZAE 126.81 ETE 184.20 ZAC 107.31 ETC 13.81 CLP-159.47

PLANETOCENTRIC CONIC

C3 16.468 VHL 4.058 DLA -23.79 RAL 182.71 RAD 6567.7 VEL 11.741 PTH 2.07 VHP 6.006 DPA 6.73 RAP 159.80 ECC 1.2710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 3 9 1313.53 7.71 349.42 43.04 117.33 11 25 2 713.5 11.31 342.60
 90.00 15 43 18 5668.53 27.84 267.16 49.21 95.37 17 17 46 5068.5 28.30 258.53
 100.00 12 5 15 1113.06 6.05 333.79 42.14 119.33 12 23 48 513.1 9.91 327.13
 100.00 17 23 53 5344.23 29.72 243.47 49.38 93.35 18 52 57 4744.2 29.87 234.67
 110.00 12 35 12 1019.11 2.28 324.34 39.81 124.12 12 52 11 419.1 6.74 318.09
 110.00 19 10 25 5010.94 34.15 218.23 49.46 88.43 20 33 56 4410.9 33.56 209.04

DIFFERENTIAL CORRECTIONS

TDE-2.4819 TRA 2.4798 TC3-4.0255 BAU .8881
 RDE .1539 RRA .1939 RC3 -.2597 FAU .04145
 FDE-2.0466 FRA 2.2848 FC3-2.1790 BSP 19556
 BDE 2.4866 BRA 2.4874 BC3 4.0339 FSP -1427

MID-COURSE EXECUTION ACCURACY

SGT 6131.3 SGR 425.7 SG3 422.4
 RRT .4108 RRF .3842 RTF .9805
 SGB 6146.1 R23 -.0221 R13 .9804
 SG1 6133.8 SG2 387.9 THA 1.64

ORBIT DETERMINATION ACCURACY

ST 3688.6 SR 235.2 SS 1596.9
 CRT -.7582 CRS .7359 CST -.9994
 LSA 4023.0 MSA 161.9 SSA 16.3
 EL1 3692.9 EL2 153.2 ALF 177.23

LAUNCH DATE MAY 25 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 558.962

RL 151.51 LAL .00 LOL 243.12 VL 26.614 GAL 6.25 AZL 93.14 HCA 258.37 SMA 127.17 ECC .21923 INC 3.1436 V1 29.406
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.760 GAP 9.04 AZP 89.37 TAL 156.46 TAP 54.83 RCA 99.29 APO 155.05 V2 35.255
 RC 137.871 GL -20.16 GP -4.75 ZAL 52.13 ZAP 160.41 ETS 346.85 ZAE 126.27 ETE 183.99 ZAC 105.55 ETC 13.81 CLP-160.97

PLANETOCENTRIC CONIC

C3 17.714 VHL 4.209 DLA -23.97 RAL 184.43 RAD 6567.7 VEL 11.794 PTH 2.09 VHP 6.253 DPA 6.34 RAP 161.53 ECC 1.2915
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 12 55 1320.17 7.50 349.80 45.90 117.39 11 34 55 720.2 11.11 342.98
 90.00 15 47 15 5695.52 27.66 269.12 52.27 96.34 17 22 11 5095.5 28.25 260.50
 100.00 12 14 33 1121.22 5.78 334.24 44.96 119.38 12 33 14 521.2 9.65 327.60
 100.00 17 28 19 5369.70 29.61 245.35 52.48 94.33 18 57 48 4769.7 29.89 236.56
 110.00 12 43 48 1029.48 1.89 324.88 42.55 124.14 13 0 58 429.5 6.35 318.64
 110.00 19 15 33 5034.21 34.18 220.05 52.66 89.51 20 39 27 4434.2 33.73 210.84

DIFFERENTIAL CORRECTIONS

TDE-2.5806 TRA 2.6846 TC3-3.7843 BAU .8979
 RDE .1768 RRA .1918 RC3 -.2308 FAU .03754
 FDE-1.9621 FRA 2.2668 FC3-1.8348 BSP 19836
 BDE 2.5867 BRA 2.6915 BC3 3.7913 FSP -1340

MID-COURSE EXECUTION ACCURACY

SGT 6203.7 SGR 421.1 SG3 395.2
 RRT .3508 RRF .3231 RTF .9800
 SGB 6218.0 R23 -.0236 R13 .9800
 SG1 6205.5 SG2 394.3 THA 1.37

ORBIT DETERMINATION ACCURACY

ST 3713.5 SR 255.6 SS 1543.6
 CRT -.7819 CRS .7611 CST -.9994
 LSA 4026.2 MSA 166.8 SSA 16.0
 EL1 3718.9 EL2 159.1 ALF 176.91

LAUNCH DATE MAY 25 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 564.748

RL 151.51 LAL .00 LOL 243.12 VL 26.586 GAL 6.68 AZL 93.19 HCA 261.62 SMA 126.99 ECC .22428 INC 3.1891 V1 29.406
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.738 GAP 9.52 AZP 89.53 TAL 155.44 TAP 57.06 RCA 98.51 APO 155.47 V2 35.253
 RC 140.023 GL -19.64 GP -4.51 ZAL 50.57 ZAP 161.86 ETS 346.32 ZAE 125.78 ETE 183.80 ZAC 103.74 ETC 13.80 CLP-162.41

PLANETOCENTRIC CONIC

C3 19.109 VHL 4.371 DLA -24.12 RAL 186.14 RAD 6567.8 VEL 11.853 PTH 2.10 VHP 6.512 DPA 5.89 RAP 163.31 ECC 1.3145
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 22 2 1329.95 7.19 350.35 48.78 117.46 11 44 12 729.9 10.82 343.55
 90.00 15 51 48 5721.26 27.45 270.97 55.37 97.24 17 27 9 5121.3 28.17 262.38
 100.00 12 23 17 1132.22 5.41 334.85 47.81 119.44 12 42 9 532.2 9.29 328.22
 100.00 17 33 14 5394.21 29.47 247.16 55.62 95.28 19 3 8 4794.2 29.88 238.38
 110.00 12 51 59 1042.22 1.40 325.54 45.32 124.16 13 9 21 442.2 5.87 319.31
 110.00 19 21 1 5056.98 34.18 221.83 55.90 90.56 20 45 18 4457.0 33.88 212.60

DIFFERENTIAL CORRECTIONS

TDE-2.6769 TRA 2.9060 TC3-3.5341 BAU .9044
 RDE .2001 RRA .1893 RC3 -.2040 FAU .03378
 FDE-1.8801 FRA 2.2551 FC3-1.5306 BSP 20014
 BDE 2.6844 BRA 2.9121 BC3 3.5400 FSP -1254

MID-COURSE EXECUTION ACCURACY

SGT 6266.7 SGR 417.7 SG3 370.1
 RRT .2922 RRF .2640 RTF .9795
 SGB 6280.7 R23 -.0244 R13 .9795
 SG1 6267.9 SG2 399.4 THA 1.12

ORBIT DETERMINATION ACCURACY

ST 3726.4 SR 274.8 SS 1490.4
 CRT -.7988 CRS .7790 CST -.9994
 LSA 4019.1 MSA 171.9 SSA 15.7
 EL1 3732.9 EL2 165.0 ALF 176.62

LAUNCH DATE MAY 25 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 570.487

RL 151.51 LAL .00 LOL 243.12 VL 26.558 GAL 7.13 AZL 93.23 HCA 264.86 SMA 126.81 ECC .22970 INC 3.2339 V1 29.406
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.715 GAP 10.02 AZP 89.71 TAL 154.42 TAP 59.28 RCA 97.68 APO 155.94 V2 35.249
 RC 142.165 GL -19.08 GP -4.29 ZAL 49.02 ZAP 163.26 ETS 345.70 ZAE 125.32 ETE 183.62 ZAC 101.89 ETC 13.78 CLP-163.80

PLANETOCENTRIC CONIC

C3 20.674 VHL 4.547 DLA -24.22 RAL 187.83 RAD 6567.8 VEL 11.919 PTH 2.12 VHP 6.782 DPA 5.39 RAP 165.11 ECC 1.3402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 30 28 1342.85 6.79 351.08 51.68 117.56 11 52 50 742.8 10.43 344.30
 90.00 15 56 53 5745.78 27.23 272.73 58.51 98.10 17 32 39 5145.8 28.07 264.16
 100.00 12 31 26 1146.04 4.95 335.62 50.67 119.52 12 50 32 546.0 8.84 329.00
 100.00 17 38 36 5417.82 29.31 248.90 58.80 96.18 19 8 54 4817.8 29.85 240.13
 110.00 12 59 43 1057.32 .82 326.33 48.11 124.17 13 17 20 457.3 5.30 320.11
 110.00 19 26 48 5079.31 34.15 223.57 59.19 91.59 20 51 27 4479.3 33.99 214.33

DIFFERENTIAL CORRECTIONS

TDE-2.7775 TRA 3.1378 TC3-3.2908 BAU .9109
 RDE .2238 RRA .1858 RC3 -.1795 FAU .03043
 FDE-1.8069 FRA 2.2433 FC3-1.2743 BSP 20262
 BDE 2.7865 BRA 3.1433 BC3 3.2957 FSP -1180

MID-COURSE EXECUTION ACCURACY

SGT 6324.8 SGR 414.9 SG3 347.1
 RRT .2342 RRF .2058 RTF .9791
 SGB 6338.4 R23 -.0252 R13 .9791
 SG1 6325.5 SG2 403.3 THA .88

ORBIT DETERMINATION ACCURACY

ST 3734.9 SR 292.4 SS 1441.4
 CRT -.8117 CRS .7930 CST -.9994
 LSA 4010.1 MSA 176.6 SSA 15.4
 EL1 3742.4 EL2 170.4 ALF 176.36

LAUNCH DATE MAY 25 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 576.174

RL 151.51 LAL .00 LOL 243.12 VL 26.530 GAL 7.61 AZL 93.28 HCA 268.11 SMA 126.63 ECC .23554 INC 3.2781 V1 29.406
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.691 GAP 10.54 AZP 89.89 TAL 153.39 TAP 61.49 RCA 96.80 APO 156.46 V2 35.245
 RC 144.295 GL -18.51 GP -4.09 ZAL 47.50 ZAP 164.61 ETS 344.96 ZAE 124.90 ETE 183.46 ZAC 100.00 ETC 13.76 CLP-165.15

PLANETOCENTRIC CONIC

C3 22.433 VHL 4.736 DLA -24.29 RAL 189.50 RAD 6567.9 VEL 11.992 PTH 2.14 VHP 7.067 DPA 4.84 RAP 166.94 ECC 1.3692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 38 11 1358.84 6.28 351.99 54.59 117.67 12 0 50 758.8 9.94 345.22
 90.00 16 2 29 5769.16 26.99 274.40 61.68 98.91 17 38 38 5169.2 27.95 265.86
 100.00 12 38 58 1162.62 4.39 336.53 53.55 119.60 12 58 21 562.6 8.30 329.93
 100.00 17 44 23 5440.61 29.13 250.57 62.02 97.04 19 15 4 4840.6 29.80 241.83
 110.00 13 7 0 1074.71 .16 327.24 50.91 124.18 13 24 55 474.7 4.64 321.02
 110.00 19 32 51 5101.28 34.10 225.29 62.51 92.61 20 57 52 4501.3 34.08 216.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8787 TRA 3.3847 TC3-3.0481 BAU .9154 SGT 6375.2 SGR 412.5 SG3 325.7 ST 3735.0 SR 308.6 SS 1394.2
 RDE .2480 RRA .1815 RC3 -.1569 FAU .02729 RRT .1775 RRF .1492 RTF .9788 CRT -.8215 CRS .8037 CST -.9995
 FDE-1.7382 FRA 2.2349 FC3-1.0532 BSP 20479 SGB 6388.5 R23 -.0256 R13 .9788 LSA 3994.5 MSA 181.0 SSA 15.1
 BDE 2.8893 BRA 3.3896 BC3 3.0321 FSP -1112 SG1 6375.6 SG2 405.9 THA .66 EL1 3743.6 EL2 175.6 ALF 176.11

LAUNCH DATE MAY 25 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 581.802

RL 151.51 LAL .00 LOL 243.12 VL 26.501 GAL 8.13 AZL 93.32 HCA 271.35 SMA 126.45 ECC .24184 INC 3.3222 V1 29.406
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.667 GAP 11.08 AZP 90.08 TAL 152.35 TAP 63.71 RCA 95.87 APO 157.03 V2 35.240
 RC 146.414 GL -17.92 GP -3.91 ZAL 46.01 ZAP 165.91 ETS 344.08 ZAE 124.50 ETE 183.32 ZAC 98.08 ETC 13.73 CLP-166.45

PLANETOCENTRIC CONIC

C3 24.414 VHL 4.941 DLA -24.32 RAL 191.15 RAD 6568.0 VEL 12.074 PTH 2.16 VHP 7.366 DPA 4.25 RAP 168.80 ECC 1.4018
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 45 13 1377.84 5.68 353.06 57.50 117.79 12 8 10 777.8 9.36 346.31
 90.00 16 8 33 5791.48 26.75 275.99 64.88 99.67 17 45 5 5191.5 27.81 267.48
 100.00 12 45 55 1181.89 3.74 337.60 56.43 119.68 13 5 36 581.9 7.67 331.01
 100.00 17 50 32 5462.66 28.93 252.18 65.26 97.86 19 21 35 4862.7 29.72 243.46
 110.00 13 13 49 1094.35 -.60 328.26 53.73 124.18 13 32 4 494.4 3.89 322.05
 110.00 19 39 7 5122.96 34.02 226.98 65.86 93.60 21 4 30 4523.0 34.14 217.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9817 TRA 3.6477 TC3-2.8077 BAU .9175 SGT 6418.5 SGR 410.4 SG3 306.1 ST 3728.3 SR 323.3 SS 1349.4
 RDE .2727 RRA .1762 RC3 -.1363 FAU .02434 RRT .1218 RRF .0942 RTF .9786 CRT -.8290 CRS .8120 CST -.9995
 FDE-1.6745 FRA-2.2298 FC3-.8631 BSP 20676 SGB 6431.6 R23 -.0257 R13 .9786 LSA 3973.8 MSA 185.2 SSA 14.7
 BDE 2.9941 BRA 3.6520 BC3 2.8110 FSP -1048 SG1 6418.7 SG2 407.3 THA .45 EL1 3738.0 EL2 180.3 ALF 175.88

LAUNCH DATE MAY 25 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 587.364

RL 151.51 LAL .00 LOL 243.12 VL 26.473 GAL 8.68 AZL 93.37 HCA 274.60 SMA 126.27 ECC .24863 INC 3.3664 V1 29.406
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.641 GAP 11.64 AZP 90.27 TAL 151.32 TAP 65.92 RCA 94.87 APO 157.66 V2 35.234
 RC 148.521 GL -17.32 GP -3.75 ZAL 44.56 ZAP 167.18 ETS 343.03 ZAE 124.13 ETE 183.18 ZAC 96.14 ETC 13.71 CLP-167.73

PLANETOCENTRIC CONIC

C3 26.651 VHL 5.162 DLA -24.31 RAL 192.75 RAD 6568.1 VEL 12.167 PTH 2.18 VHP 7.683 DPA 3.62 RAP 170.67 ECC 1.4386
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 51 32 1399.78 4.98 354.30 60.41 117.91 12 14 52 799.8 8.68 347.57
 90.00 16 15 3 5812.82 26.49 277.50 68.11 100.38 17 51 56 5212.8 27.66 269.03
 100.00 12 52 15 1203.77 3.00 338.80 59.32 119.76 13 12 19 603.8 6.94 332.23
 100.00 17 57 1 5484.06 28.72 253.73 68.53 98.66 19 28 25 4884.1 29.62 245.04
 110.00 13 20 11 1116.18 -1.43 329.40 56.55 124.16 13 38 47 516.2 3.06 323.20
 110.00 19 45 34 5144.42 33.91 228.64 69.24 94.58 21 11 19 4544.4 34.17 219.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0831 TRA 3.9317 TC3-2.5663 BAU .9153 SGT 6454.2 SGR 408.4 SG3 287.8 ST 3712.0 SR 336.5 SS 1305.5
 RDE .2980 RRA .1696 RC3 -.1174 FAU .02146 RRT .0677 RRF .0414 RTF .9784 CRT -.8345 CRS .8181 CST -.9995
 FDE-1.6127 FRA 2.2301 FC3 -.6972 BSP 20761 SGB 6467.1 R23 -.0252 R13 .9784 LSA 3944.6 MSA 189.3 SSA 14.4
 BDE 3.0975 BRA 3.9353 BC3 2.5690 FSP -983 SG1 6454.3 SG2 407.4 THA .25 EL1 3722.6 EL2 184.9 ALF 175.66

LAUNCH DATE MAY 25 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 592.851

RL 151.51 LAL .00 LOL 243.12 VL 26.444 GAL 9.26 AZL 93.41 HCA 277.84 SMA 126.09 ECC .25597 INC 3.4110 V1 29.406
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.615 GAP 12.24 AZP 90.47 TAL 150.29 TAP 68.13 RCA 93.81 APO 158.36 V2 35.228
 RC 150.615 GL -16.71 GP -3.61 ZAL 43.14 ZAP 168.41 ETS 341.76 ZAE 123.77 ETE 183.06 ZAC 94.17 ETC 13.69 CLP-168.98

PLANETOCENTRIC CONIC

C3 29.182 VHL 5.402 DLA -24.27 RAL 194.32 RAD 6568.2 VEL 12.270 PTH 2.21 VHP 8.018 DPA 2.97 RAP 172.55 ECC 1.4803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 57 10 1424.53 4.19 355.68 63.31 118.03 12 20 54 824.5 7.91 348.98
 90.00 16 21 55 5833.29 26.23 278.94 71.36 101.06 17 59 8 5233.3 27.50 270.50
 100.00 12 57 59 1228.19 2.18 340.14 62.20 119.82 13 18 27 628.2 6.13 333.59
 100.00 18 3 46 5504.86 28.50 255.24 71.82 99.42 19 35 31 4904.9 29.51 246.58
 110.00 13 26 4 1140.11 -2.34 330.65 59.38 124.11 13 45 4 540.1 2.15 324.45
 110.00 19 52 11 5165.70 33.78 230.29 72.63 95.55 21 18 17 4565.7 34.18 221.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1918 TRA 4.2293 TC3-2.3377 BAU .9129 SGT 6484.9 SGR 406.3 SG3 271.0 ST 3694.0 SR 348.1 SS 1266.1
 RDE .3238 RRA .1616 RC3 -.1004 FAU .01889 RRT .0139 RRF -.0111 RTF .9783 CRT -.8393 CRS .8235 CST -.9995
 FDE-1.5589 FRA 2.2307 FC3 -.5605 BSP 20933 SGB 6497.6 R23 -.0247 R13 .9783 LSA 3915.6 MSA 192.6 SSA 14.0
 BDE 3.2082 BRA 4.2324 BC3 2.3398 FSP -928 SG1 6484.9 SG2 406.3 THA .05 EL1 3705.5 EL2 188.6 ALF 175.47

LAUNCH DATE MAY 25 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 598.254

RL 151.51 LAL .00 LOL 243.12 VL 26.416 GAL 9.89 AZL 93.46 HCA 281.08 SMA 125.91 ECC .26392 INC 3.4563 V1 29.406
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.589 GAP 12.86 AZP 90.67 TAL 149.28 TAP 70.36 RCA 92.68 APO 159.14 V2 35.221
 RC 152.696 GL -16.09 GP -3.48 ZAL 41.76 ZAP 169.62 ETS 340.19 ZAE 123.42 ETE 182.94 ZAC 92.19 ETC 13.68 CLP-170.21

PLANETOCENTRIC CONIC

C3 32.054 VHL 5.662 DLA -24.20 RAL 195.84 RAD 6568.3 VEL 12.387 PTH 2.24 VHP 8.374 DPA 2.28 RAP 174.45 ECC 1.5275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 2 7 1451.98 3.31 357.22 66.21 118.14 12 26 19 852.0 7.05 350.54
 90.00 16 29 6 5852.97 25.97 280.32 74.62 101.70 18 6 39 5253.0 27.32 271.92
 100.00 13 3 8 1255.01 1.27 341.62 65.07 119.87 13 24 3 655.0 5.23 335.07
 100.00 18 10 46 5525.17 28.27 256.70 75.12 100.16 19 42 51 4925.2 29.38 248.08
 110.00 13 31 30 1166.08 -3.33 332.01 62.20 124.04 13 50 56 566.1 1.16 325.80
 110.00 19 58 54 5186.87 33.63 231.93 76.04 96.51 21 25 21 4586.9 34.17 222.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.3037 TRA 4.5474 TC3-2.1148 BAU .9070 SGT 6509.2 SGR 404.2 SG3 255.4 ST 3670.7 SR 358.0 SS 1229.3
 RDE .3502 RRA .1521 RC3 -.0851 FAU .01645 RRT -.0390 RRF -.0623 RTF .9784 CRT -.8432 CRS .8279 CST -.9995
 FDE-1.5093 FRA 2.2352 FC3 -.4442 BSP 21080 SGB 6521.8 R23 .0239 R13 -.9784 LSA 3882.7 MSA 195.4 SSA 13.7
 BDE 3.3222 BRA 4.5500 BC3 2.1165 FSP -.877 SG1 6509.2 SG2 403.9 THA 179.86 EL1 3683.1 EL2 191.8 ALF 175.29

LAUNCH DATE MAY 25 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 603.560

RL 151.51 LAL .00 LOL 243.12 VL 26.387 GAL 10.57 AZL 93.50 HCA 284.32 SMA 125.73 ECC .27255 INC 3.5025 V1 29.406
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.562 GAP 13.52 AZP 90.87 TAL 148.28 TAP 72.60 RCA 91.46 APO 159.99 V2 35.214
 RC 154.762 GL -15.46 GP -3.36 ZAL 40.43 ZAP 170.79 ETS 338.22 ZAE 123.08 ETE 182.82 ZAC 90.20 ETC 13.67 CLP-171.42

PLANETOCENTRIC CONIC

C3 35.324 VHL 5.943 DLA -24.11 RAL 197.31 RAD 6568.4 VEL 12.518 PTH 2.27 VHP 8.754 DPA 1.57 RAP 176.35 ECC 1.5813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 25 1481.96 2.35 358.90 69.09 118.23 12 31 7 882.0 6.11 352.23
 90.00 16 36 33 5871.98 25.70 281.65 77.90 102.32 18 14 25 5272.0 27.14 273.28
 100.00 13 7 42 1284.14 .28 343.21 67.94 119.89 13 29 6 684.1 4.26 336.68
 100.00 18 17 57 5545.03 28.02 258.13 78.43 100.87 19 50 22 4945.0 29.23 249.54
 110.00 13-36 27 1194.00 -4.40 333.47 65.02 123.93 13 56 21 594.0 .09 327.26
 110.00 20 5 42 5207.94 33.46 233.55 79.45 97.45 21 32 30 4607.9 34.13 224.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.4198 TRA 4.8868 TC3-1.8996 BAU .8977 SGT 6527.2 SGR 402.0 SG3 240.9 ST 3642.9 SR 366.4 SS 1195.2
 RDE .3772 RRA .1408 RC3 -.0716 FAU .01413 RRT -.0913 RRF -.1124 RTF .9786 CRT -.8464 CRS .8317 CST -.9996
 FDE-1.4640 FRA 2.2431 FC3 -.3463 BSP 21207 SGB 6539.6 R23 .0229 R13 -.9786 LSA 3846.3 MSA 197.7 SSA 13.3
 BDE 3.4406 BRA 4.8888 BC3 1.9010 FSP -.829 SG1 6527.3 SG2 400.3 THA 179.68 EL1 3656.1 EL2 194.4 ALF 175.12

LAUNCH DATE MAY 25 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 608.755

RL 151.51 LAL .00 LOL 243.12 VL 26.359 GAL 11.29 AZL 93.55 HCA 287.56 SMA 125.55 ECC .28192 INC 3.5501 V1 29.406
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.534 GAP 14.22 AZP 91.07 TAL 147.29 TAP 74.85 RCA 90.15 APO 160.94 V2 35.205
 RC 156.813 GL -14.84 GP -3.25 ZAL 39.14 ZAP 171.94 ETS 335.69 ZAE 122.75 ETE 182.71 ZAC 88.20 ETG 13.67 CLP-172.62

PLANETOCENTRIC CONIC

C3 39.058 VHL 6.250 DLA -23.98 RAL 198.73 RAD 6568.5 VEL 12.666 PTH 2.30 VHP 9.161 DPA .84 RAP 178.26 ECC 1.6428
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 10 5 1514.34 1.31 .71 71.95 118.29 12 35 20 914.3 5.08 354.06
 90.00 16 44 13 602.34 25.43 305.02 81.18 102.90 16 54 16 2.3 26.95 296.69
 100.00 13 11 42 1315.44 -.78 344.93 70.79 119.88 13 33 38 715.4 3.20 338.41
 100.00 18 25 18 5564.51 27.76 259.52 81.74 101.56 19 58 2 4964.5 29.07 250.96
 110.00 13 40 56 1223.77 -5.53 335.04 67.84 123.79 14 1 20 623.8 -1.05 328.81
 110.00 20 12 33 5228.95 33.26 235.15 82.86 98.39 21 39 42 4628.9 34.06 226.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.5369 TRA 5.2542 TC3-1.6882 BAU .8821 SGT 6539.2 SGR 399.6 SG3 227.5 ST 3608.3 SR 373.1 SS 1162.8
 RDE .4048 RRA .1275 RC3 -.0596 FAU .01182 RRT -.1422 RRF -.1609 RTF .9789 CRT -.8487 CRS .8343 CST -.9996
 FDE-1.4208 FRA 2.2570 FC3 -.2621 BSP 21206 SGB 6551.4 R23 .0213 R13 -.9789 LSA 3804.1 MSA 199.6 SSA 13.0
 BDE 3.5600 BRA 5.2557 BC3 1.6893 FSP -.779 SG1 6539.4 SG2 395.5 THA 179.50 EL1 3622.2 EL2 196.6 ALF 174.97

LAUNCH DATE MAY 25 1967

FLIGHT TIME 220.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 613.821

RL 151.51 LAL .00 LOL 243.12 VL 26.331 GAL 12.08 AZL 93.60 HCA 290.80 SMA 125.37 ECC .29214 INC 3.5994 V1 29.406
 RP 107.67 LAP 3.36 LOP 173.95 VP 37.506 GAP 14.97 AZP 91.28 TAL 146.34 TAP 77.13 RCA 88.75 APO 162.00 V2 35.197
 RC 158.850 GL -14.21 GP -3.15 ZAL 37.91 ZAP 173.06 ETS 332.33 ZAE 122.41 ETE 182.61 ZAC 86.20 ETC 13.69 CLP-173.81

PLANETOCENTRIC CONIC

C3 43.337 VHL 6.583 DLA -23.83 RAL 200.10 RAD 6568.6 VEL 12.834 PTH 2.34 VHP 9.598 DPA .09 RAP 180.16 ECC 1.7132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 13 8 1548.95 .19 2.64 74.79 118.32 12 38 57 948.9 3.97 356.00
 90.00 16 52 3 620.20 25.15 306.26 84.45 103.46 17 2 24 20.2 26.75 297.96
 100.00 13 15 8 1348.79 -1.91 346.76 73.62 119.84 13 37 37 748.8 2.07 340.24
 100.00 18 32 44 5583.63 27.49 260.88 85.05 102.22 20 5 48 4983.6 28.90 252.36
 110.00 13 44 57 1255.31 -6.72 336.70 70.64 123.60 14 5 52 655.3 -2.26 330.46
 110.00 20 19 25 5249.87 33.04 236.75 86.27 99.30 21 46 55 4649.9 33.97 227.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.6654 TRA 5.6419 TC3-1.4916 BAU .8647 SGT 6545.8 SGR 397.0 SG3 215.0 ST 3574.1 SR 378.2 SS 1135.0
 RDE .4330 RRA .1121 RC3 -.0492 FAU .00974 RRT -.1933 RRF -.2094 RTF .9794 CRT -.8512 CRS .8373 CST -.9996
 FDE-1.3848 FRA 2.2724 FC3 -.1946 BSP 21315 SGB 6557.9 R23 .0198 R13 -.9794 LSA 3763.6 MSA 200.5 SSA 12.6
 BDE 3.6909 BRA 5.6430 BC3 1.4924 FSP -.738 SG1 6546.3 SG2 389.5 THA 179.33 EL1 3588.6 EL2 197.7 ALF 174.84

LAUNCH DATE MAY 26 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 4 1967

HELIOCENTRIC CONIC

DISTANCE 143.438

RL 151.54 LAL .00 LOL 244.08 VL 19.173 GAL 11.03 AZL 92.73 HCA 50.82 SMA 95.89 ECC .60083 INC 2.7270 V1 29.401
 RP 108.92 LAP -2.11 LOP 294.87 VP 32.451 GAP -36.21 AZP 91.72 TAL 172.46 TAP 223.28 RCA 38.28 APO 153.51 V2 34.793
 RC 56.154 GL -4.60 GP 1.16 ZAL 72.48 ZAP 24.15 ETS 184.15 ZAE 154.12 ETE 161.66 ZAC 124.72 ETC 19.81 CLP 24.12

PLANETOCENTRIC CONIC

C3 124.492 VHL 11.158 DLA -.92 RAL 170.53 RAD 6570.3 VEL 15.679 PTH 2.79 VHP 21.082 DPA 19.10 RAP 142.77 ECC 3.0488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 31 2621.32 -26.91 68.92 62.65 99.15 7 22 12 2021.3 -25.37 60.59
 90.00 18 22 53 5322.49 27.47 241.96 63.56 82.83 19 51 36 4722.5 26.19 233.53
 100.00 7 59 26 2360.31 -28.41 49.44 62.37 99.70 8 38 46 1760.3 -26.78 41.02
 100.00 19 44 39 5058.73 28.97 222.34 63.33 82.30 21 8 58 4458.7 27.61 213.81
 110.00 9 6 41 2149.77 -32.48 32.59 61.50 101.29 9 42 31 1549.8 -30.59 23.88
 110.00 20 53 53 4842.04 33.07 205.18 62.63 80.79 22 14 35 4242.0 31.44 196.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5763 TRA-1.3980 TC3 -.0970 BAU .1685 SGT 806.2 SGR 449.1 SG3 34.4 ST 366.1 SR 399.5 SS 338.2
 RDE -.7687 RRA -.3974 RC3 .0290 FAU .01463 RRT .0434 RRF -.0406 RTF -.6313 CRT -.7087 CRS -.8080 CST .9867
 FDE -.3213 FRA .5507 FC3 -.1017 BSP 2087 SGB 922.8 R23 -.0010 R13 -.6314 LSA 599.7 MSA 219.4 SSA 13.9
 BDE .9608 BRA 1.4534 BC3 .1012 FSP -72 SG1 806.5 SG2 448.5 THA 2.01 EL1 501.2 EL2 205.8 ALF 131.48

LAUNCH DATE MAY 26 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 149.573

RL 151.54 LAL .00 LOL 244.08 VL 19.780 GAL 10.59 AZL 92.79 HCA 53.98 SMA 97.56 ECC .57406 INC 2.7906 V1 29.401
 RP 108.93 LAP -2.26 LOP 298.03 VP 32.810 GAP -34.47 AZP 91.64 TAL 171.92 TAP 225.90 RCA 41.56 APO 153.57 V2 34.790
 RC 54.407 GL -5.14 GP 1.20 ZAL 71.64 ZAP 22.61 ETS 184.36 ZAE 155.23 ETE 159.52 ZAC 123.17 ETC 19.37 CLP 22.58

PLANETOCENTRIC CONIC

C3 111.557 VHL 10.562 DLA -1.75 RAL 171.10 RAD 6570.1 VEL 15.261 PTH 2.74 VHP 20.173 DPA 18.66 RAP 144.41 ECC 2.8359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 58 2573.49 -26.35 65.53 61.18 100.76 7 29 51 1973.5 -24.60 57.30
 90.00 18 19 0 5326.24 27.50 242.23 62.87 82.96 19 47 46 4726.2 26.24 233.79
 100.00 8 7 30 2313.73 -27.83 46.10 60.86 101.37 8 46 3 1713.7 -25.98 37.79
 100.00 19 41 9 5061.23 29.00 222.53 62.65 82.40 21 5 31 4461.2 27.64 213.99
 110.00 9 13 52 2105.96 -31.85 29.33 59.85 103.12 9 48 58 1506.0 -29.72 20.77
 110.00 20 51 16 4841.76 33.06 205.16 61.95 80.78 22 11 58 4241.8 31.44 196.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5763 TRA-1.3902 TC3 -.0989 BAU .1557 SGT 843.0 SGR 453.6 SG3 37.5 ST 386.0 SR 402.3 SS 357.5
 RDE -.7328 RRA -.3810 RC3 .0334 FAU .01496 RRT .0444 RRF -.0423 RTF -.6515 CRT -.7099 CRS -.8115 CST .9861
 FDE -.3372 FRA .5681 FC3 -.1161 BSP 2239 SGB 957.3 R23 -.0016 R13 -.6516 LSA 623.2 MSA 223.9 SSA 14.2
 BDE .9323 BRA 1.4414 BC3 .1044 FSP -80 SG1 843.3 SG2 453.0 THA 1.92 EL1 515.6 EL2 212.1 ALF 133.33

LAUNCH DATE MAY 26 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 155.779

RL 151.54 LAL .00 LOL 244.08 VL 20.345 GAL 10.15 AZL 92.85 HCA 57.15 SMA 99.22 ECC .54820 INC 2.8493 V1 29.401
 RP 108.93 LAP -2.39 LOP 301.19 VP 33.151 GAP -32.82 AZP 91.55 TAL 171.40 TAP 228.55 RCA 44.83 APO 153.61 V2 34.787
 RC 52.748 GL -5.71 GP 1.24 ZAL 70.88 ZAP 21.09 ETS 184.62 ZAE 156.44 ETE 157.02 ZAC 121.60 ETC 18.96 CLP 21.05

PLANETOCENTRIC CONIC

C3 100.031 VHL 10.002 DLA -2.59 RAL 171.59 RAD 6569.9 VEL 14.879 PTH 2.69 VHP 19.300 DPA 18.21 RAP 146.07 ECC 2.6463
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 55 6 2524.83 -25.69 62.12 59.61 102.34 7 37 11 1924.8 -23.73 54.00
 90.00 18 14 46 5329.19 27.52 242.45 62.03 83.07 19 43 35 4729.2 26.28 234.00
 100.00 8 15 14 2266.32 -27.15 42.75 59.24 103.01 8 53 0 1666.3 -25.09 34.55
 100.00 19 37 19 5062.93 29.01 222.65 61.82 82.46 21 1 42 4462.9 27.67 214.11
 110.00 9 20 43 2061.34 -31.11 26.06 58.11 104.93 9 55 4 1461.3 -28.75 17.65
 110.00 20 48 20 4840.68 33.05 205.08 61.12 80.74 22 9 0 4240.7 31.42 196.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5764 TRA-1.3817 TC3 -.0998 BAU .1430 SGT 881.3 SGR 457.4 SG3 40.9 ST 406.9 SR 404.5 SS 377.7
 RDE -.6975 RRA -.3645 RC3 .0384 FAU .01533 RRT .0456 RRF -.0441 RTF -.6709 CRT -.7112 CRS -.8150 CST .9855
 FDE -.3539 FRA .5854 FC3 -.1327 BSP 2392 SGB 992.9 R23 -.0023 R13 -.6710 LSA 647.8 MSA 227.9 SSA 14.4
 BDE .9048 BRA 1.4290 BC3 .1069 FSP -89 SG1 881.6 SG2 456.8 THA 1.85 EL1 530.7 EL2 218.0 ALF 135.24

LAUNCH DATE MAY 26 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 162.052

RL 151.54 LAL .00 LOL 244.08 VL 20.871 GAL 9.70 AZL 92.90 HCA 60.31 SMA 100.85 ECC .52329 INC 2.9039 V1 29.401
 RP 108.94 LAP -2.52 LOP 304.35 VP 33.475 GAP -31.25 AZP 91.44 TAL 170.92 TAP 231.22 RCA 48.08 APO 153.63 V2 34.786
 RC 51.183 GL -6.32 GP 1.29 ZAL 70.20 ZAP 19.57 ETS 184.93 ZAE 157.75 ETE 154.06 ZAC 120.01 ETC 18.57 CLP 19.53

PLANETOCENTRIC CONIC

C3 89.755 VHL 9.474 DLA -3.42 RAL 171.99 RAD 6569.8 VEL 14.529 PTH 2.64 VHP 18.461 DPA 17.74 RAP 147.73 ECC 2.4771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 55 2475.36 -24.92 58.70 57.94 103.89 7 44 10 1875.4 -22.77 50.69
 90.00 18 10 11 5331.48 27.54 242.61 61.06 83.15 19 39 2 4731.5 26.31 234.16
 100.00 8 22 39 2218.12 -26.37 39.38 57.53 104.62 8 59 38 1618.1 -24.10 31.31
 100.00 19 33 7 5063.96 29.02 222.72 60.85 82.50 20 57 31 4464.0 27.68 214.18
 110.00 9 27 14 2015.95 -30.27 22.79 56.29 106.69 10 0 50 1415.9 -27.69 14.55
 110.00 20 45 2 4838.89 33.03 204.95 60.15 80.66 22 5 41 4238.9 31.39 196.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5770 TRA-1.3720 TC3 -.0992 BAU .1302 SGT 920.9 SGR 460.5 SG3 44.6 ST 428.9 SR 405.8 SS 398.8
 RDE -.6628 RRA -.3481 RC3 .0439 FAU .01573 RRT .0466 RRF -.0458 RTF -.6897 CRT -.7130 CRS -.8188 CST .9850
 FDE -.3714 FRA .6027 FC3 -.1518 BSP 2553 SGB 1029.6 R23 -.0030 R13 -.6898 LSA 673.8 MSA 231.3 SSA 14.6
 BDE .8788 BRA 1.4155 BC3 .1085 FSP -99 SG1 921.2 SG2 459.8 THA 1.78 EL1 546.6 EL2 223.3 ALF 137.22

LAUNCH DATE MAY 26 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 168.387

RL 151.54 LAL .00 LOL 244.08 VL 21.361 GAL 9.26 AZL 92.96 HCA 63.47 SMA 102.46 ECC .49935 INC 2.9552 V1 29.401
 RP 108.94 LAP -2.64 LOP 307.52 VP 33.781 GAP -29.76 AZP 91.32 TAL 170.46 TAP 233.93 RCA 51.30 APO 153.63 V2 34.784
 RC 49.723 GL -6.95 GP 1.34 ZAL 69.61 ZAP 18.07 ETS 185.33 ZAE 159.14 ETE 150.52 ZAC 118.42 ETC 18.20 CLP 18.02

PLANETOCENTRIC CONIC

C3 80.589 VHL 8.977 DLA -4.25 RAL 172.31 RAD 6569.6 VEL 14.210 PTH 2.59 VHP 17.652 DPA 17.26 RAP 149.38 ECC 2.3263
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 25 2425.14 -24.06 55.28 56.19 105.40 7 50 50 1825.1 -21.71 47.39
 90.00 18 5 12 5333.23 27.56 242.74 59.94 83.21 19 34 6 4733.2 26.33 234.28
 100.00 8 29 46 2169.17 -25.48 36.01 55.75 106.18 9 5 55 1569.2 -23.02 28.08
 100.00 19 28 35 5064.43 29.03 222.76 59.74 82.52 20 52 57 4464.4 27.69 214.21
 110.00 9 33 27 1969.83 -29.33 19.53 54.40 108.41 10 6 17 1369.8 -26.53 11.46
 110.00 20 41 22 4836.53 33.01 204.77 59.04 80.55 22 1 58 4236.5 31.35 195.93

DIFFERENTIAL CORRECTIONS

TDE .5757 TRA-1.3635 TC3 -.0979 BAU .1185
 RDE -.6289 RRA -.3317 RC3 .0501 FAU .01617
 FDE -.3898 FRA .6203 FC3 -.1737 BSP 2669
 BDE .8526 BRA 1.4033 BC3 .1100 FSP -109

MID-COURSE EXECUTION ACCURACY

SGT 963.0 SGR 462.9 SG3 48.6
 RRT .0492 RRF -.0479 RTF -.7067
 SGB 1068.5 R23 -.0028 R13 -.7068
 SG1 963.4 SG2 462.1 THA 1.76

ORBIT DETERMINATION ACCURACY

ST 451.2 SR 406.4 SS 420.9
 CRT -.7135 CRS -.8224 CST .9841
 LSA 700.5 MSA 234.6 SSA 14.8
 EL1 562.7 EL2 228.3 ALF 139.18

LAUNCH DATE MAY 26 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 174.779

RL 151.54 LAL .00 LOL 244.08 VL 21.818 GAL 8.82 AZL 93.00 HCA 66.63 SMA 104.05 ECC .47640 INC 3.0038 V1 29.401
 RP 108.94 LAP -2.76 LOP 310.68 VP 34.071 GAP -28.33 AZP 91.19 TAL 170.05 TAP 236.68 RCA 54.48 APO 153.61 V2 34.784
 RC 48.377 GL -7.63 GP 1.40 ZAL 69.10 ZAP 16.58 ETS 185.83 ZAE 160.59 ETE 146.25 ZAC 116.82 ETC 17.84 CLP 16.52

PLANETOCENTRIC CONIC

C3 72.411 VHL 8.509 DLA -5.08 RAL 172.54 RAD 6569.4 VEL 13.920 PTH 2.54 VHP 16.873 DPA 16.77 RAP 151.04 ECC 2.1917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 38 2374.21 -23.09 51.85 54.36 106.86 7 57 12 1774.2 -20.57 44.09
 90.00 17 59 50 5334.59 27.57 242.83 58.70 83.26 19 28 44 4734.6 26.35 234.38
 100.00 8 36 34 2119.53 -24.50 32.65 53.88 107.69 9 11 54 1519.5 -21.85 24.86
 100.00 19 23 34 5064.50 29.03 222.76 58.49 82.52 20 47 59 4464.5 27.69 214.22
 110.00 9 39 20 1923.07 -28.28 16.30 52.44 110.06 10 11 23 1323.1 -25.28 8.40
 110.00 20 37 18 4833.73 32.97 204.55 57.80 80.43 21 57 52 4233.7 31.30 195.73

DIFFERENTIAL CORRECTIONS

TDE .5769 TRA-1.3518 TC3 -.0937 BAU .1062
 RDE -.5957 RRA -.3154 RC3 .0570 FAU .01667
 FDE -.4095 FRA .6377 FC3 -.1993 BSP 2836
 BDE .8292 BRA 1.3881 BC3 .1097 FSP -121

MID-COURSE EXECUTION ACCURACY

SGT 1005.6 SGR 464.5 SG3 53.0
 RRT .0504 RRF -.0499 RTF -.7240
 SGB 1107.7 R23 -.0035 R13 -.7241
 SG1 1006.0 SG2 463.7 THA 1.69

ORBIT DETERMINATION ACCURACY

ST 475.5 SR 406.1 SS 444.3
 CRT -.7160 CRS -.8265 CST .9836
 LSA 729.5 MSA 236.7 SSA 15.0
 EL1 580.6 EL2 232.2 ALF 141.23

LAUNCH DATE MAY 26 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 181.222

RL 151.54 LAL .00 LOL 244.08 VL 22.243 GAL 8.38 AZL 93.05 HCA 69.79 SMA 105.60 ECC .45446 INC 3.0501 V1 29.401
 RP 108.94 LAP -2.86 LOP 313.84 VP 34.345 GAP -26.97 AZP 91.05 TAL 169.67 TAP 239.46 RCA 57.61 APO 153.58 V2 34.784
 RC 47.155 GL -8.34 GP 1.46 ZAL 68.68 ZAP 15.09 ETS 186.46 ZAE 162.04 ETE 141.03 ZAC 115.21 ETC 17.50 CLP 15.02

PLANETOCENTRIC CONIC

C3 65.115 VHL 8.069 DLA -5.92 RAL 172.68 RAD 6569.2 VEL 13.655 PTH 2.50 VHP 16.123 DPA 16.28 RAP 152.70 ECC 2.0716
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 32 2322.64 -22.04 48.44 52.47 108.25 8 3 15 1722.6 -19.34 40.81
 90.00 17 54 1 5335.74 27.58 242.92 57.33 83.30 19 22 57 4735.7 26.36 234.46
 100.00 8 43 4 2069.28 -23.42 29.31 51.96 109.13 9 17 34 1469.3 -20.59 21.65
 100.00 19 18 10 5064.33 29.02 222.75 57.13 82.51 20 42 34 4464.3 27.68 214.21
 110.00 9 44 54 1875.74 -27.13 13.10 50.44 111.64 10 16 9 1275.7 -23.95 5.38
 110.00 20 32 50 4830.64 32.94 204.32 56.44 80.30 21 53 21 4230.6 31.25 195.50

DIFFERENTIAL CORRECTIONS

TDE .5785 TRA-1.3388 TC3 -.0871 BAU .0944
 RDE -.5632 RRA -.2993 RC3 .0647 FAU .01722
 FDE -.4307 FRA .6551 FC3 -.2289 BSP 3004
 BDE .8074 BRA 1.3718 BC3 .1084 FSP -134

MID-COURSE EXECUTION ACCURACY

SGT 1049.7 SGR 465.3 SG3 57.9
 RRT .0518 RRF -.0520 RTF -.7405
 SGB 1148.2 R23 -.0043 R13 -.7406
 SG1 1050.0 SG2 464.5 THA 1.63

ORBIT DETERMINATION ACCURACY

ST 501.0 SR 405.0 SS 468.9
 CRT -.7191 CRS -.8307 CST .9831
 LSA 760.3 MSA 238.1 SSA 15.2
 EL1 599.8 EL2 235.1 ALF 143.29

LAUNCH DATE MAY 26 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 187.711

RL 151.54 LAL .00 LOL 244.08 VL 22.638 GAL 7.95 AZL 93.09 HCA 72.95 SMA 107.11 ECC .43352 INC 3.0945 V1 29.401
 RP 108.94 LAP -2.96 LOP 317.01 VP 34.604 GAP -25.67 AZP 90.91 TAL 169.34 TAP 242.29 RCA 60.67 APO 153.54 V2 34.785
 RC 46.068 GL -9.10 GP 1.53 ZAL 68.35 ZAP 13.61 ETS 187.27 ZAE 163.43 ETE 134.62 ZAC 113.59 ETC 17.18 CLP 13.53

PLANETOCENTRIC CONIC

C3 58.607 VHL 7.655 DLA -6.76 RAL 172.72 RAD 6569.1 VEL 13.415 PTH 2.45 VHP 15.400 DPA 15.77 RAP 154.35 ECC 1.9645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 10 2270.51 -20.89 45.06 50.52 109.57 8 9 0 1670.5 -18.03 37.55
 90.00 17 47 45 5336.85 27.58 243.00 55.85 83.34 19 16 42 4736.9 26.37 234.54
 100.00 8 49 16 2018.51 -22.25 25.99 49.99 110.50 9 22 55 1418.5 -19.26 18.47
 100.00 19 12 19 5064.09 29.02 222.73 55.64 82.50 20 36 43 4464.1 27.68 214.19
 110.00 9 50 8 1827.94 -25.89 9.93 48.39 113.14 10 20 36 1227.9 -22.53 2.39
 110.00 20 27 57 4827.42 32.90 204.08 54.95 80.16 21 48 24 4227.4 31.19 195.27

DIFFERENTIAL CORRECTIONS

TDE .5808 TRA-1.3241 TC3 -.0773 BAU .0834
 RDE -.5316 RRA -.2835 RC3 .0731 FAU .01783
 FDE -.4535 FRA .6726 FC3 -.2634 BSP 3188
 BDE .7874 BRA 1.3541 BC3 .1064 FSP -149

MID-COURSE EXECUTION ACCURACY

SGT 1094.9 SGR 465.3 SG3 63.2
 RRT .0531 RRF -.0542 RTF -.7564
 SGB 1189.7 R23 -.0053 R13 -.7565
 SG1 1095.3 SG2 464.5 THA 1.58

ORBIT DETERMINATION ACCURACY

ST 527.8 SR 403.0 SS 495.1
 CRT -.7229 CRS -.8352 CST .9827
 LSA 793.1 MSA 238.6 SSA 15.4
 EL1 620.4 EL2 236.9 ALF 145.35

LAUNCH DATE MAY 26 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 194.242

RL 151.54 LAL .00 LOL 244.08 VL 23.006 GAL 7.54 AZL 93.14 HCA 76.11 SMA 108.58 ECC .41358 INC 3.1375 V1 29.401
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.847 GAP -24.43 AZP 90.75 TAL 169.05 TAP 245.16 RCA 63.67 APO 153.49 V2 34.787
 RC 45.125 GL -9.89 GP 1.61 ZAL 68.11 ZAP 12.13 ETS 188.34 ZAE 164.70 ETE 126.77 ZAC 111.97 ETC 16.88 CLP 12.03

PLANETOCENTRIC CONIC

C3 52.804 VHL 7.267 DLA -7.61 RAL 172.67 RAD 6568.9 VEL 13.197 PTH 2.41 VHP 14.703 DPA 15.27 RAP 155.99 ECC 1.8690
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 30 2217.91 -19.65 41.69 48.53 110.81 8 14 28 1617.9 -16.64 34.31
 90.00 17 41 1 5338.11 27.59 243.09 54.25 83.38 19 9 59 4738.1 26.39 234.63
 100.00 8 55 11 1967.30 -20.99 22.71 47.97 111.79 9 27 58 1367.3 -17.85 15.32
 100.00 19 6 0 5063.96 29.02 222.73 54.05 82.50 20 30 24 4464.0 27.68 214.18
 110.00 9 55 4 1779.77 -24.56 6.82 46.31 114.56 10 24 44 1179.8 -21.04 359.44
 110.00 20 22 36 4824.25 32.86 203.84 53.36 80.02 21 43 1 4224.2 31.14 195.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5835 TRA-1.3080 TC3 -.0643 BAU .0738 SGT 1141.5 SGR 464.5 SG3 69.0 ST 556.0 SR 400.0 SS 523.0
 RDE -.5008 RRA -.2681 RC3 .0824 FAU .01851 RRT .0547 RRF -.0567 RTF -.7715 CRT -.7271 CRS -.8398 CST .9824
 FDE -.4782 FRA .6901 FC3 -.3035 BSP 3369 SGB 1232.4 R23 -.0061 R13 -.7716 LSA 828.0 MSA 238.5 SSA 15.6
 BOE .7689 BRA 1.3352 BC3 .1045 FSP -165 SG1 1141.9 SG2 463.6 THA 1.53 EL1 642.4 EL2 237.7 ALF 147.38

LAUNCH DATE MAY 26 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 200.810

RL 151.54 LAL .00 LOL 244.08 VL 23.348 GAL 7.13 AZL 93.18 HCA 79.27 SMA 110.01 ECC .39464 INC 3.1793 V1 29.401
 RP 108.93 LAP -3.12 LOP 323.34 VP 35.077 GAP -23.24 AZP 90.59 TAL 168.80 TAP 248.07 RCA 66.59 APO 153.42 V2 34.790
 RC 44.335 GL -10.73 GP 1.69 ZAL 67.97 ZAP 10.66 ETS 189.77 ZAE 165.71 ETE 117.33 ZAC 110.36 ETC 16.59 CLP 10.52

PLANETOCENTRIC CONIC

C3 47.633 VHL 6.902 DLA -8.46 RAL 172.52 RAD 6568.8 VEL 13.000 PTH 2.37 VHP 14.031 DPA 14.76 RAP 157.63 ECC 1.7839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 34 2164.94 -18.33 38.36 46.50 111.97 8 19 38 1564.9 -15.19 31.09
 90.00 17 33 46 5339.73 27.61 243.20 52.56 83.44 19 2 46 4739.7 26.41 234.74
 100.00 9 0 48 1915.76 -19.65 19.46 45.92 112.99 9 32 44 1315.8 -16.37 12.21
 100.00 18 59 12 5064.14 29.02 222.74 52.36 82.51 20 23 37 4464.1 27.68 214.19
 110.00 9 59 41 1731.36 -23.16 3.76 44.21 115.87 10 28 33 1131.4 -19.49 356.55
 110.00 20 16 48 4821.30 32.83 203.61 51.67 79.89 21 37 10 4221.3 31.09 194.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5846 TRA-1.2931 TC3 -.0495 BAU .0669 SGT 1190.9 SGR 462.8 SG3 75.4 ST 584.4 SR 396.1 SS 552.2
 RDE -.4708 RRA -.2530 RC3 .0926 FAU .01924 RRT .0581 RRF -.0599 RTF -.7846 CRT -.7300 CRS -.8443 CST .9817
 FDE -.5046 FRA .7084 FC3 -.3497 BSP 3498 SGB 1277.6 R23 -.0063 R13 -.7847 LSA 863.9 MSA 238.2 SSA 15.8
 BOE .7506 BRA 1.3176 BC3 .1050 FSP -183 SG1 1191.2 SG2 461.9 THA 1.52 EL1 664.6 EL2 238.0 ALF 149.33

LAUNCH DATE MAY 26 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 207.411

RL 151.54 LAL .00 LOL 244.08 VL 23.666 GAL 6.73 AZL 93.22 HCA 82.44 SMA 111.39 ECC .37668 INC 3.2203 V1 29.401
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.292 GAP -22.09 AZP 90.42 TAL 168.60 TAP 251.04 RCA 69.43 APO 153.35 V2 34.793
 RC 43.707 GL -11.61 GP 1.78 ZAL 67.92 ZAP 9.18 ETS 191.75 ZAE 166.35 ETE 106.41 ZAC 108.75 ETC 16.32 CLP 9.01

PLANETOCENTRIC CONIC

C3 43.028 VHL 6.560 DLA -9.32 RAL 172.27 RAD 6568.6 VEL 12.822 PTH 2.33 VHP 13.382 DPA 14.25 RAP 159.25 ECC 1.7081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 21 2111.71 -16.95 35.07 44.43 113.03 8 24 33 1511.7 -13.68 27.91
 90.00 17 25 59 5341.88 27.62 243.36 50.77 83.51 18 55 1 4741.9 26.44 234.89
 100.00 9 6 8 1864.00 -18.24 16.27 43.84 114.10 9 37 12 1264.0 -14.84 9.13
 100.00 18 51 54 5064.81 29.03 222.79 50.58 82.53 20 16 19 4464.8 27.69 214.24
 110.00 10 4 0 1682.83 -21.68 .76 42.09 117.10 10 32 2 1082.8 -17.88 353.70
 110.00 20 10 32 4818.75 32.80 203.42 49.89 79.78 21 30 50 4218.8 31.04 194.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5885 TRA-1.2742 TC3 -.0284 BAU .0619 SGT 1240.0 SGR 460.4 SG3 82.5 ST 615.4 SR 391.1 SS 583.8
 RDE -.4418 RRA -.2384 RC3 .1038 FAU .02008 RRT .0605 RRF -.0633 RTF -.7981 CRT -.7353 CRS -.8493 CST .9815
 FDE -.5339 FRA .7262 FC3 -.4041 BSP 3680 SGB 1322.8 R23 -.0074 R13 -.7982 LSA 903.5 MSA 236.5 SSA 16.0
 BOE .7359 BRA 1.2963 BC3 .1076 FSP -203 SG1 1240.4 SG2 459.4 THA 1.49 EL1 689.7 EL2 236.5 ALF 151.27

LAUNCH DATE MAY 26 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 214.040

RL 151.54 LAL .00 LOL 244.08 VL 23.962 GAL 6.35 AZL 93.26 HCA 85.80 SMA 112.72 ECC .35969 INC 3.2606 V1 29.401
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.495 GAP -21.00 AZP 90.25 TAL 168.45 TAP 254.04 RCA 72.18 APO 153.26 V2 34.797
 RC 43.245 GL -12.54 GP 1.89 ZAL 67.97 ZAP 7.72 ETS 194.61 ZAE 166.51 ETE 94.57 ZAC 107.14 ETC 16.06 CLP 7.48

PLANETOCENTRIC CONIC

C3 38.930 VHL 6.239 DLA -10.18 RAL 171.93 RAD 6568.5 VEL 12.661 PTH 2.30 VHP 12.758 DPA 13.74 RAP 160.86 ECC 1.6407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 53 2058.31 -15.50 31.82 42.35 114.00 8 29 12 1458.3 -12.12 24.77
 90.00 17 17 40 5344.77 27.65 243.57 48.91 83.62 18 46 45 4744.8 26.47 235.10
 100.00 9 11 11 1812.14 -16.77 13.12 41.74 115.11 9 41 24 1212.1 -13.25 6.10
 100.00 18 44 3 5066.16 29.04 222.89 48.72 82.58 20 8 30 4466.2 27.71 214.34
 110.00 10 7 59 1634.29 -20.15 357.83 39.96 118.21 10 35 13 1034.3 -16.22 350.91
 110.00 20 3 45 4816.78 32.78 203.27 48.04 79.70 21 24 2 4216.8 31.01 194.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5932 TRA-1.2536 TC3 -.0026 BAU .0603 SGT 1290.2 SGR 457.1 SG3 90.3 ST 647.9 SR 385.0 SS 617.5
 RDE -.4137 RRA -.2242 RC3 .1158 FAU .02101 RRT .0632 RRF -.0672 RTF -.8109 CRT -.7411 CRS -.8543 CST .9813
 FDE -.5661 FRA .7444 FC3 -.4672 BSP 3867 SGB 1368.7 R23 -.0086 R13 -.8110 LSA 945.7 MSA 234.1 SSA 16.1
 BOE .7232 BRA 1.2735 BC3 .1159 FSP -225 SG1 1290.5 SG2 456.1 THA 1.47 EL1 716.5 EL2 233.7 ALF 153.15

LAUNCH DATE MAY 26 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 220.692

RL 151.54 LAL .00 LOL 244.08 VL 24.236 GAL 5.98 AZL 93.30 HCA 88.76 SMA 114.00 ECC .34364 INC 3.3007 V1 29.401
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.685 GAP -19.94 AZP 90.07 TAL 168.34 TAP 257.10 RCA 74.83 APO 153.18 V2 34.801
 RC 42.956 GL -13.51 GP 2.00 ZAL 68.11 ZAP 6.27 ETS 198.96 ZAE 166.14 ETE 82.73 ZAC 105.55 ETC 15.81 CLP 5.94

PLANETOCENTRIC CONIC

C3 35.289 VHL 5.940 DLA -11.04 RAL 171.48 RAD 6568.4 VEL 12.516 PTH 2.27 VHP 12.155 DPA 13.25 RAP 162.45 ECC 1.5808
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 11 2004.86 -13.99 28.62 40.25 114.87 8 33 36 1404.9 -10.52 21.66
 90.00 17 8 47 5348.59 27.67 243.84 46.97 83.75 18 37 56 4748.6 26.52 235.37
 100.00 9 15 59 1760.30 -15.25 10.02 39.63 116.03 9 45 19 1160.3 -11.63 3.10
 100.00 18 35 40 5068.38 29.06 223.05 46.79 82.67 20 0 9 4468.4 27.74 214.49
 110.00 10 11 40 1585.90 -18.57 354.97 37.82 119.23 10 38 6 985.9 -14.53 348.18
 110.00 19 56 28 4815.55 32.76 203.18 46.12 79.64 21 16 44 4215.5 30.99 194.41

DIFFERENTIAL CORRECTIONS

TDE .5986 TRA-1.2316 TC3 .0289 BAU .0623
 RDE -.3864 RRA -.2106 RC3 .1289 FAU .02204
 FDE -.6016 FRA .7629 FC3 -.5408 BSP 4054
 BDE .7125 BRA 1.2495 BC3 .1321 FSP -249

MID-COURSE EXECUTION ACCURACY

SGT 1341.4 SGR 453.0 SG3 98.9
 RRT .0668 RRF -.0719 RTF -.8231
 SGB 1415.8 R23 -.0099 R13 -.8232
 SG1 1341.8 SG2 451.8 THA 1.46

ORBIT DETERMINATION ACCURACY

ST 682.1 SR 377.9 SS 653.8
 CRT -.7474 CRS -.8595 CST .9813
 LSA 990.9 MSA 230.9 SSA 16.3
 EL1 745.1 EL2 229.8 ALF 154.96

LAUNCH DATE MAY 26 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 227.365

RL 151.54 LAL .00 LOL 244.08 VL 24.491 GAL 5.62 AZL 93.34 HCA 91.93 SMA 115.23 ECC .32852 INC 3.3406 V1 29.401
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.864 GAP -18.93 AZP 89.89 TAL 168.28 TAP 260.21 RCA 77.37 APO 153.08 V2 34.806
 RC 42.841 GL -14.53 GP 2.12 ZAL 68.36 ZAP 4.87 ETS 206.14 ZAE 165.26 ETE 71.84 ZAC 103.97 ETC 15.58 CLP 4.38

PLANETOCENTRIC CONIC

C3 32.058 VHL 5.662 DLA -11.92 RAL 170.92 RAD 6568.3 VEL 12.387 PTH 2.24 VHP 11.574 DPA 12.76 RAP 164.03 ECC 1.5276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 14 1951.46 -12.44 25.47 38.14 115.64 8 37 46 1351.5 -8.89 18.59
 90.00 16 59 19 5353.54 27.71 244.20 44.98 83.93 18 28 33 4753.5 26.58 235.72
 100.00 9 20 31 1708.59 -13.68 6.98 37.51 116.84 9 49 0 1108.6 -9.97 .16
 100.00 18 26 44 5071.64 29.09 223.29 44.80 82.79 19 51 15 4471.6 27.78 214.73
 110.00 10 15 4 1537.77 -16.94 352.19 35.68 120.14 10 40 41 937.8 -12.81 345.51
 110.00 19 48 40 4815.23 32.76 203.15 44.14 79.63 21 8 56 4215.2 30.98 194.38

DIFFERENTIAL CORRECTIONS

TDE .6051 TRA-1.2078 TC3 .0664 BAU .0675
 RDE -.3601 RRA -.1976 RC3 .1429 FAU .02320
 FDE -.6410 FRA .7815 FC3 -.6266 BSP 4251
 BDE .7041 BRA 1.2239 BC3 .1575 FSP -277

MID-COURSE EXECUTION ACCURACY

SGT 1393.2 SGR 448.0 SG3 108.5
 RRT .0711 RRF -.0775 RTF -.8345
 SGB 1463.4 R23 -.0114 R13 -.8346
 SG1 1393.6 SG2 446.7 THA 1.46

ORBIT DETERMINATION ACCURACY

ST 717.9 SR 369.5 SS 692.9
 CRT -.7544 CRS -.8647 CST .9813
 LSA 1039.3 MSA 227.1 SSA 16.4
 EL1 775.5 EL2 224.5 ALF 156.71

LAUNCH DATE MAY 26 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 234.053

RL 151.54 LAL .00 LOL 244.08 VL 24.727 GAL 5.27 AZL 93.38 HCA 95.09 SMA 116.40 ECC .31431 INC 3.3807 V1 29.401
 RP 108.86 LAP -3.37 LOP 339.18 VP 36.031 GAP -17.95 AZP 89.70 TAL 168.27 TAP 263.37 RCA 79.82 APO 152.99 V2 34.812
 RC 42.900 GL -15.59 GP 2.26 ZAL 68.69 ZAP 3.60 ETS 219.15 ZAE 163.97 ETE 62.44 ZAC 102.40 ETC 15.36 CLP 2.80

PLANETOCENTRIC CONIC

C3 29.193 VHL 5.403 DLA -12.79 RAL 170.27 RAD 6568.2 VEL 12.271 PTH 2.21 VHP 11.014 DPA 12.28 RAP 165.58 ECC 1.4805
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 4 1898.24 -10.85 22.36 36.03 116.32 8 41 43 1298.2 -7.23 15.56
 90.00 16 49 16 5359.78 27.76 244.65 42.93 84.15 18 18 36 4759.8 26.65 236.16
 100.00 9 24 48 1657.13 -12.08 4.00 35.39 117.55 9 52 25 1057.1 -8.30 357.25
 100.00 18 17 13 5076.12 29.13 223.61 42.76 82.96 19 41 49 4476.1 27.85 215.04
 110.00 10 18 9 1490.05 -15.29 349.47 33.54 120.95 10 42 59 890.1 -11.08 342.91
 110.00 19 40 21 4815.96 32.77 203.21 42.11 79.66 21 0 37 4216.0 30.99 194.44

DIFFERENTIAL CORRECTIONS

TDE .6126 TRA-1.1827 TC3 .1099 BAU .0751
 RDE -.3346 RRA -.1852 RC3 .1578 FAU .02448
 FDE -.6850 FRA .8007 FC3 -.7260 BSP 4434
 BDE .6980 BRA 1.1971 BC3 .1923 FSP -308

MID-COURSE EXECUTION ACCURACY

SGT 1445.7 SGR 442.2 SG3 119.1
 RRT .0763 RRF -.0843 RTF -.8452
 SGB 1511.8 R23 -.0132 R13 -.8453
 SG1 1446.1 SG2 440.8 THA 1.47

ORBIT DETERMINATION ACCURACY

ST 755.5 SR 360.0 SS 734.9
 CRT -.7617 CRS -.8699 CST .9815
 LSA 1091.2 MSA 222.6 SSA 16.6
 EL1 808.0 EL2 218.1 ALF 158.40

LAUNCH DATE MAY 26 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 240.754

RL 151.54 LAL .00 LOL 244.08 VL 24.945 GAL 4.94 AZL 93.42 HCA 98.26 SMA 117.52 ECC .30097 INC 3.4212 V1 29.401
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.188 GAP -17.01 AZP 89.51 TAL 168.31 TAP 266.57 RCA 82.15 APO 152.89 V2 34.819
 RC 43.133 GL -16.69 GP 2.42 ZAL 69.13 ZAP 2.69 ETS 243.97 ZAE 162.40 ETE 54.67 ZAC 100.86 ETC 15.15 CLP 1.19

PLANETOCENTRIC CONIC

C3 26.660 VHL 5.163 DLA -13.67 RAL 169.51 RAD 6568.1 VEL 12.167 PTH 2.18 VHP 10.475 DPA 11.83 RAP 167.10 ECC 1.4387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 43 1845.29 -9.24 19.31 33.92 116.89 8 45 28 1245.3 -5.56 12.57
 90.00 16 38 36 5367.48 27.81 245.21 40.85 84.42 18 8 3 4767.5 26.74 236.71
 100.00 9 28 52 1606.04 -10.45 1.08 33.27 118.16 9 55 38 1006.0 -6.61 354.40
 100.00 18 7 8 5081.95 29.17 224.04 40.68 83.18 19 31 50 4482.0 27.92 215.46
 110.00 10 20 58 1442.87 -13.62 346.84 31.41 121.66 10 45 1 842.9 -9.34 340.36
 110.00 19 31 31 4817.89 32.79 203.36 40.05 79.75 20 51 49 4217.9 31.03 194.58

DIFFERENTIAL CORRECTIONS

TDE .6209 TRA-1.1559 TC3 .1605 BAU .0843
 RDE -.3100 RRA -.1735 RC3 .1737 FAU .02593
 FDE -.7341 FRA .8202 FC3 -.8419 BSP 4625
 BDE .6940 BRA 1.1689 BC3 .2365 FSP -342

MID-COURSE EXECUTION ACCURACY

SGT 1498.3 SGR 435.6 SG3 130.9
 RRT .0832 RRF -.0928 RTF -.8552
 SGB 1560.4 R23 -.0152 R13 -.8553
 SG1 1498.8 SG2 434.0 THA 1.51

ORBIT DETERMINATION ACCURACY

ST 794.7 SR 349.2 SS 780.3
 CRT -.7693 CRS -.8750 CST .9818
 LSA 1146.6 MSA 217.7 SSA 16.7
 EL1 842.1 EL2 210.5 ALF 160.03

LAUNCH DATE MAY 26 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 247.464

RL 151.54 LAL .00 LOL 244.08 VL 25.148 GAL 4.62 AZL 93.46 HCA 101.43 SMA 118.59 ECC .28848 INC 3.4624 V1 29.401
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.334 GAP -16.11 AZP 89.31 TAL 168.40 TAP 269.82 RCA 84.38 APO 152.80 V2 34.826
 RC 43.534 GL -17.84 GP 2.59 ZAL 69.65 ZAP 2.63 ETS 280.11 ZAE 160.65 ETE 48.38 ZAC 99.35 ETC 14.96 CLP -4.46

PLANETOCENTRIC CONIC

C3 24.422 VHL 4.942 DLA -14.56 RAL 168.66 RAD 6568.0 VEL 12.075 PTH 2.16 VHP 9.955 DPA 11.40 RAP 168.60 ECC 1.4019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 11 1792.70 -7.60 16.31 31.82 117.36 8 49 3 1192.7 -3.88 9.61
 90.00 16 27 20 5376.78 27.87 245.89 38.74 84.76 17 56 56 4776.8 26.85 237.37
 100.00 9 32 43 1555.44 -8.81 358.22 31.17 118.68 9 58 38 955.4 -4.92 351.59
 100.00 17 56 29 5089.28 29.23 224.58 38.58 83.45 19 21 18 4489.3 28.02 215.98
 110.00 10 23 30 1396.35 -11.95 344.28 29.29 122.27 10 46 46 796.4 -7.60 337.88
 110.00 19 22 11 4821.12 32.83 203.60 37.96 79.89 20 42 32 4221.1 31.08 194.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6165 TRA-1.1304 TC3 .2077 BAU .0920 SGT 1544.8 SGR 428.2 SG3 144.1 ST 822.2 SR 336.8 SS 829.2
 RDE -.2861 RRA -.1625 RC3 .1905 FAU .02752 RRT .0985 RRF -.1037 RTF -.8599 CRT -.7703 CRS -.8799 CST .9802
 FDE -.7892 FRA .8405 FC3 -.9756 BSP 4703 SGB 1603.0 R23 -.0121 R13 -.8601 LSA 1195.9 MSA 215.8 SSA 16.8
 BDE .6796 BRA 1.1420 BC3 .2819 FSP -381 SG1 1545.4 SG2 425.9 THA 1.69 EL1 864.7 EL2 204.2 ALF 161.41

LAUNCH DATE MAY 26 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 254.180

RL 151.54 LAL .00 LOL 244.08 VL 25.335 GAL 4.32 AZL 93.50 HCA 104.60 SMA 119.59 ECC .27681 INC 3.5046 V1 29.401
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.471 GAP -15.23 AZP 89.12 TAL 168.53 TAP 273.12 RCA 86.49 APO 152.70 V2 34.834
 RC 44.099 GL -19.02 GP 2.78 ZAL 70.26 ZAP 3.51 ETS 307.62 ZAE 158.83 ETE 43.32 ZAC 97.87 ETC 14.77 CLP -2.14

PLANETOCENTRIC CONIC

C3 22.451 VHL 4.738 DLA -15.44 RAL 167.71 RAD 6567.9 VEL 11.993 PTH 2.14 VHP 9.455 DPA 10.99 RAP 170.07 ECC 1.3695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 29 1740.56 -5.96 13.36 29.73 117.73 8 52 30 1140.6 -2.20 6.70
 90.00 16 15 27 5387.82 27.93 246.69 36.61 85.15 17 45 15 4787.8 26.97 238.15
 100.00 9 36 22 1505.40 -7.17 355.41 29.07 119.10 10 1 28 905.4 -3.23 348.84
 100.00 17 45 15 5098.22 29.30 225.23 36.46 83.79 19 10 14 4498.2 28.13 216.62
 110.00 10 25 47 1350.63 -10.27 341.79 27.19 122.78 10 48 18 750.6 -5.88 335.45
 110.00 19 12 20 4825.76 32.88 203.95 35.87 80.09 20 32 46 4225.8 31.17 195.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6410 TRA-1.0975 TC3 .2829 BAU .1054 SGT 1602.6 SGR 420.2 SG3 158.8 ST 878.4 SR 323.4 SS 882.4
 RDE -.2631 RRA -.1522 RC3 .2080 FAU .02933 RRT .1027 RRF -.1163 RTF -.8737 CRT -.7849 CRS -.8846 CST .9828
 FDE -.8518 FRA .8609 FC3-1.1311 BSP 5017 SGB 1656.8 R23 -.0202 R13 -.8739 LSA 1269.6 MSA 206.5 SSA 16.8
 BDE .6929 BRA 1.1080 BC3 .3512 FSP -425 SG1 1603.2 SG2 417.8 THA 1.65 EL1 916.1 EL2 192.1 ALF 163.12

LAUNCH DATE MAY 26 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 260.898

RL 151.54 LAL .00 LOL 244.08 VL 25.507 GAL 4.03 AZL 93.55 HCA 107.77 SMA 120.55 ECC .26594 INC 3.5480 V1 29.401
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.599 GAP -14.39 AZP 88.92 TAL 168.70 TAP 276.46 RCA 88.49 APO 152.60 V2 34.842
 RC 44.820 GL -20.24 GP 3.00 ZAL 70.96 ZAP 4.90 ETS 322.20 ZAE 157.02 ETE 39.26 ZAC 96.42 ETC 14.59 CLP -3.88

PLANETOCENTRIC CONIC

C3 20.719 VHL 4.552 DLA -16.33 RAL 166.67 RAD 6567.8 VEL 11.921 PTH 2.12 VHP 8.973 DPA 10.63 RAP 171.50 ECC 1.3410
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 41 1688.94 -4.32 10.46 27.66 118.01 8 55 50 1088.9 -5.54 3.82
 90.00 16 2 58 5400.73 28.00 247.62 34.47 85.62 17 32 59 4800.7 27.10 239.07
 100.00 9 39 52 1456.04 -5.53 352.67 27.00 119.42 10 4 8 856.0 -1.56 346.12
 100.00 17 33 29 5108.87 29.38 226.02 34.33 84.20 18 58 38 4508.9 28.26 217.39
 110.00 10 27 50 1305.80 -8.61 339.38 25.11 123.21 10 49 36 705.8 -4.18 333.10
 110.00 19 2 1 4831.87 32.95 204.41 33.77 80.35 20 22 32 4231.9 31.27 195.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6523 TRA-1.0664 TC3 .3540 BAU .1164 SGT 1653.6 SGR 411.5 SG3 175.1 ST 922.1 SR 308.2 SS 939.8
 RDE -.2407 RRA -.1427 RC3 .2264 FAU .03135 RRT .1169 RRF -.1328 RTF -.8819 CRT -.7922 CRS -.8886 CST .9833
 FDE -.9222 FRA .8824 FC3-1.3101 BSP 5189 SGB 1704.0 R23 -.0232 R13 -.8821 LSA 1337.1 MSA 200.7 SSA 16.8
 BDE .6953 BRA 1.0759 BC3 .4202 FSP -473 SG1 1654.3 SG2 408.5 THA 1.77 EL1 955.2 EL2 181.6 ALF 164.60

LAUNCH DATE MAY 26 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 267.616

RL 151.54 LAL .00 LOL 244.08 VL 25.666 GAL 3.76 AZL 93.59 HCA 110.94 SMA 121.44 ECC .25584 INC 3.5929 V1 29.401
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.718 GAP -13.58 AZP 88.71 TAL 168.91 TAP 279.85 RCA 90.37 APO 152.51 V2 34.851
 RC 45.690 GL -21.49 GP 3.25 ZAL 71.73 ZAP 6.53 ETS 330.06 ZAE 155.26 ETE 36.00 ZAC 95.02 ETC 14.42 CLP -5.66

PLANETOCENTRIC CONIC

C3 19.202 VHL 4.382 DLA -17.21 RAL 165.55 RAD 6567.8 VEL 11.857 PTH 2.10 VHP 8.510 DPA 10.30 RAP 172.89 ECC 1.3160
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 49 1637.88 -2.68 7.60 25.63 118.20 8 59 7 1037.9 1.11 .97
 90.00 15 49 54 5415.61 28.08 248.71 32.34 86.16 17 20 10 4815.6 27.25 240.14
 100.00 9 43 15 1407.40 -3.89 349.98 24.95 119.66 10 6 42 807.4 .09 343.45
 100.00 17 21 10 5121.33 29.46 226.93 32.21 84.67 18 46 31 4521.3 28.41 218.29
 110.00 10 29 40 1261.96 -6.97 337.05 23.05 123.55 10 50 42 662.0 -2.51 330.80
 110.00 18 51 14 4839.53 33.04 204.99 31.68 80.69 20 11 53 4239.5 31.40 196.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6667 TRA-1.0315 TC3 .4352 BAU .1283 SGT 1702.7 SGR 402.3 SG3 193.6 ST 969.3 SR 291.3 SS 1002.8
 RDE -.2187 RRA -.1341 RC3 .2456 FAU .03366 RRT .1341 RRF -.1531 RTF -.8905 CRT -.8001 CRS -.8923 CST .9843
 FDE -1.0034 FRA .9034 FC3-1.5177 BSP 5419 SGB 1749.6 R23 -.0270 R13 -.8907 LSA 1411.4 MSA 194.0 SSA 16.7
 BDE .7017 BRA 1.0402 BC3 .4998 FSP -530 SG1 1703.6 SG2 398.4 THA 1.92 EL1 997.8 EL2 169.8 ALF 166.07

LAUNCH DATE MAY 26 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 274.333

RL 151.54 LAL .00 LOL 244.08 VL 25.812 GAL 3.50 AZL 93.64 HCA 114.11 SMA 122.29 ECC .24647 INC 3.6399 V1 29.401
 RP 108.71 LAP -3.32 LOP 358.23 VP 36.830 GAP -12.79 AZP 88.51 TAL 169.16 TAP 283.27 RCA 92.15 APO 152.42 V2 34.860
 RC 46.700 GL -22.76 GP 3.53 ZAL 72.56 ZAP 8.30 ETS 334.70 ZAE 153.61 ETE 33.38 ZAC 93.67 ETC 14.26 CLP -7.51

PLANETOCENTRIC CONIC

C3 17.878 VHL 4.228 DLA -18.09 RAL 164.36 RAD 6567.7 VEL 11.801 PTH 2.09 VHP 8.065 DPA 10.03 RAP 174.24 ECC 1.2942
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 56 1587.40 -1.05 4.78 23.63 118.30 9 2 23 987.4 2.74 358.15
 90.00 15 36 15 5432.59 28.15 249.94 30.23 86.77 17 6 48 4832.6 27.40 241.36
 100.00 9 46 32 1359.54 -2.28 347.35 22.95 119.81 10 9 12 759.5 1.71 340.83
 100.00 17 8 20 5135.68 29.54 227.99 30.12 85.22 18 33 55 4535.7 28.57 219.32
 110.00 10 31 20 1219.19 -5.35 334.79 21.03 123.81 10 51 39 619.2 -0.88 328.57
 110.00 18 40 1 4848.79 33.14 205.70 29.61 81.09 20 0 50 4248.8 31.55 196.83

DIFFERENTIAL CORRECTIONS

TDE .6795 TRA -.9982 TC3 .5169 BAU .1389
 RDE -.1971 RRA -.1262 RC3 .2657 FAU .03621
 FDE-1.0944 FRA .9265 FC3-1.7533 BSP 5582
 BDE .7075 BRA 1.0062 BC3 .5811 FSP -592

MID-COURSE EXECUTION ACCURACY

SGT 1750.4 SGR 392.7 SG3 214.1
 RRT .1575 RRF -.1794 RTF -.8974
 SGB 1793.9 R23 -.0312 R13 -.8977
 SG1 1751.5 SG2 387.5 THA 2.13

ORBIT DETERMINATION ACCURACY

ST 1015.0 SR 272.6 SS 1070.0
 CRT -.8053 CRS -.8945 CST .9849
 LSA 1487.9 MSA 188.4 SSA 46.5
 EL1 1039.1 EL2 157.9 ALF 167.50

LAUNCH DATE MAY 26 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 281.044

RL 151.54 LAL .00 LOL 244.08 VL 25.946 GAL 3.26 AZL 93.69 HCA 117.29 SMA 123.07 ECC .23781 INC 3.6893 V1 29.401
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.933 GAP -12.03 AZP 88.31 TAL 169.44 TAP 286.72 RCA 93.81 APO 152.34 V2 34.870
 RC 47.841 GL -24.05 GP 3.85 ZAL 73.45 ZAP 10.18 ETS 337.64 ZAE 152.11 ETE 31.30 ZAC 92.37 ETC 14.10 CLP -9.43

PLANETOCENTRIC CONIC

C3 16.729 VHL 4.090 DLA -18.96 RAL 163.10 RAD 6567.7 VEL 11.752 PTH 2.07 VHP 7.637 DPA 9.81 RAP 175.54 ECC 1.2753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 5 1537.46 .56 1.99 21.68 118.31 9 5 43 937.5 4.34 355.35
 90.00 15 22 2 5451.78 28.21 251.34 28.14 87.47 16 52 54 4851.8 27.56 242.74
 100.00 9 49 49 1312.46 -.68 344.77 20.99 119.89 10 11 41 712.5 3.30 338.24
 100.00 16 54 59 5152.01 29.63 229.20 28.05 85.85 18 20 51 4552.0 28.74 220.51
 110.00 10 32 52 1177.55 -3.77 332.61 19.06 124.00 10 52 29 577.6 .72 326.40
 110.00 18 28 25 4859.69 33.25 206.53 27.58 81.57 19 49 25 4259.7 31.73 197.63

DIFFERENTIAL CORRECTIONS

TDE .6932 TRA -.9635 TC3 .6027 BAU .1493
 RDE -.1757 RRA -.1192 RC3 .2867 FAU .03908
 FDE-1.1984 FRA .9505 FC3-2.0224 BSP 5744
 BDE .7151 BRA .9709 BC3 .6674 FSP -663

MID-COURSE EXECUTION ACCURACY

SGT 1795.2 SGR 383.1 SG3 237.2
 RRT .1872 RRF -.2126 RTF -.9039
 SGB 1835.7 R23 -.0362 R13 -.9043
 SG1 1796.7 SG2 376.0 THA 2.39

ORBIT DETERMINATION ACCURACY

ST 1061.4 SR 251.8 SS 1142.7
 CRT -.8088 CRS -.8952 CST .9857
 LSA 1569.1 MSA 182.8 SSA 16.3
 EL1 1081.1 EL2 145.4 ALF 168.93

LAUNCH DATE MAY 26 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 287.748

RL 151.54 LAL .00 LOL 244.08 VL 26.069 GAL 3.03 AZL 93.74 HCA 120.47 SMA 123.81 ECC .22983 INC 3.7416 V1 29.401
 RP 108.64 LAP -3.22 LOP 4.60 VP 37.029 GAP -11.30 AZP 88.10 TAL 169.74 TAP 290.21 RCA 95.35 APO 152.26 V2 34.881
 RC 49.103 GL -25.36 GP 4.22 ZAL 74.38 ZAP 12.17 ETS 339.59 ZAE 150.76 ETE 29.68 ZAC 91.14 ETC 13.95 CLP -11.42

PLANETOCENTRIC CONIC

C3 15.735 VHL 3.967 DLA -19.83 RAL 161.78 RAD 6567.6 VEL 11.710 PTH 2.06 VHP 7.227 DPA 9.67 RAP 176.78 ECC 1.2590
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 23 1487.99 2.16 359.23 19.79 118.24 9 9 11 888.0 5.91 352.57
 90.00 15 7 14 5473.35 28.27 252.92 26.10 88.26 16 38 27 4873.4 27.73 244.30
 100.00 9 53 8 1266.13 .89 342.23 19.08 119.88 10 14 14 666.1 4.86 335.69
 100.00 16 41 10 5170.44 29.71 230.56 26.02 86.57 18 7 21 4570.4 28.92 221.85
 110.00 10 34 19 1137.06 -2.23 330.49 17.13 124.12 10 53 16 537.1 2.26 324.29
 110.00 18 16 28 4872.28 33.37 207.49 25.60 82.13 19 37 40 4272.3 31.92 198.56

DIFFERENTIAL CORRECTIONS

TDE .7071 TRA -.9280 TC3 .6891 BAU .1589
 RDE -.1540 RRA -.1132 RC3 .3089 FAU .04230
 FDE-1.3174 FRA .9757 FC3-2.3272 BSP 5893
 BDE .7237 BRA .9348 BC3 .7552 FSP -742

MID-COURSE EXECUTION ACCURACY

SGT 1836.3 SGR 373.8 SG3 263.1
 RRT .2249 RRF -.2543 RTF -.9097
 SGB 1874.0 R23 -.0424 R13 -.9102
 SG1 1838.3 SG2 363.9 THA 2.73

ORBIT DETERMINATION ACCURACY

ST 1107.3 SR 228.6 SS 1221.3
 CRT -.8091 CRS -.8934 CST .9864
 LSA 1654.7 MSA 177.7 SSA 16.0
 EL1 1122.8 EL2 132.5 ALF 170.38

LAUNCH DATE MAY 26 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 294.444

RL 151.54 LAL .00 LOL 244.08 VL 26.182 GAL 2.81 AZL 93.80 HCA 123.64 SMA 124.49 ECC .22249 INC 3.7975 V1 29.401
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.119 GAP -10.59 AZP 87.89 TAL 170.07 TAP 293.72 RCA 96.79 APO 152.19 V2 34.891
 RC 50.476 GL -26.67 GP 4.64 ZAL 75.34 ZAP 14.27 ETS 340.91 ZAE 149.60 ETE 28.46 ZAC 89.98 ETC 13.80 CLP -13.51

PLANETOCENTRIC CONIC

C3 14.884 VHL 3.858 DLA -20.69 RAL 160.42 RAD 6567.6 VEL 11.673 PTH 2.05 VHP 6.834 DPA 9.61 RAP 177.96 ECC 1.2450
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 55 1438.81 3.74 356.49 17.97 118.09 9 12 54 838.8 7.46 349.79
 90.00 14 51 51 5497.51 28.31 254.69 24.11 89.15 16 23 28 4897.5 27.89 246.05
 100.00 9 56 34 1220.46 2.44 339.72 17.25 119.80 10 16 55 620.5 6.39 333.16
 100.00 16 26 52 5191.09 29.79 232.09 24.06 87.37 17 53 23 4591.1 29.10 223.35
 110.00 10 35 45 1097.69 -.72 328.44 15.27 124.18 10 54 2 497.7 3.77 322.23
 110.00 18 4 11 4886.63 33.50 208.59 23.68 82.77 19 25 38 4286.6 32.14 199.63

DIFFERENTIAL CORRECTIONS

TDE .7212 TRA -.8914 TC3 .7763 BAU .1681
 RDE -.1319 RRA -.1081 RC3 .3326 FAU .04595
 FDE-1.4539 FRA 1.0020 FC3-2.6725 BSP 6033
 BDE .7331 BRA .8979 BC3 .8446 FSP -832

MID-COURSE EXECUTION ACCURACY

SGT 1873.1 SGR 365.6 SG3 292.3
 RRT .2727 RRF -.3065 RTF -.9151
 SGB 1908.4 R23 -.0498 R13 -.9157
 SG1 1875.8 SG2 351.2 THA 3.16

ORBIT DETERMINATION ACCURACY

ST 1152.3 SR 202.7 SS 1306.3
 CRT -.8042 CRS -.8875 CST .9872
 LSA 1745.0 MSA 173.0 SSA 15.7
 EL1 1163.8 EL2 119.3 ALF 171.86

LAUNCH DATE MAY 26 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 301.130

RL 151.54 LAL .00 LOL 244.08 VL 26.285 GAL 2.61 AZL 93.86 HCA 126.83 SMA 125.12 ECC .21577 INC 3.8577 V1 29.401
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.202 GAP -9.90 AZP 87.69 TAL 170.42 TAP 297.24 RCA 98.13 APO 152.12 V2 34.903
 RC 51.950 GL -28.00 GP 5.13 ZAL 76.33 ZAP 16.50 ETS 341.82 ZAE 148.64 ETE 27.62 ZAC 88.90 ETC 13.66 CLP -15.70

PLANETOCENTRIC CONIC

C3 14.161 VHL -3.763 DLA -21.55 RAL 159.03 RAD 6567.6 VEL 11.642 PTH 2.04 VHP 6.459 DPA 9.66 RAP 179.08 ECC 1.2331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 50 1389.66 5.31 353.73 16.24 117.86 9 16 59 789.7 8.99 346.99
 90.00 14 35 49 5524.55 28.32 256.66 22.18 90.14 16 7 54 4924.6 28.04 248.01
 100.00 10 0 15 1175.28 3.96 337.23 15.50 119.65 10 19 51 575.3 7.88 330.64
 100.00 16 12 5 5214.17 29.85 233.81 22.16 88.27 17 38 59 4614.2 29.29 225.05
 110.00 10 37 14 1059.38 .74 326.44 13.49 124.18 10 54 53 459.4 5.22 320.22
 110.00 17 51 36 4902.83 33.63 209.84 21.84 83.49 19 13 19 4302.8 32.37 200.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7370 TRA -.8524 TC3 .8651 BAU .1773 SGT 1905.3 SGR 359.4 SG3 325.3 ST 1197.9 SR 173.5 SS 1399.4
 RDE -.1088 RRA -.1040 RC3 .3583 FAU .05011 RRT .3319 RRF -.3708 RTF -.9207 CRT -.7906 CRS -.8741 CST .9881
 FDE-1.6126 FRA 1.0283 FC3-3.0638 BSP 6201 SGB 1938.9 R23 -.0586 R13 -.9214 LSA 1842.5 MSA 168.1 SSA 15.2
 BDE .7450 BRA .8587 BC3 .9363 FSP -938 SG1 1909.1 SG2 338.3 THA 3.70 EL1 1205.8 EL2 105.5 ALF 173.42

LAUNCH DATE MAY 26 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 307.803

RL 151.54 LAL .00 LOL 244.08 VL 26.378 GAL 2.43 AZL 93.92 HCA 130.01 SMA 125.71 ECC .20963 INC 3.9231 V1 29.401
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.279 GAP -9.24 AZP 87.48 TAL 170.77 TAP 300.78 RCA 99.36 APO 152.06 V2 34.914
 RC 53.515 GL -29.32 GP 5.70 ZAL 77.32 ZAP 18.86 ETS 342.42 ZAE 147.88 ETE 27.14 ZAC 87.92 ETC 13.51 CLP -18.01

PLANETOCENTRIC CONIC

C3 13.555 VHL 3.682 DLA -22.41 RAL 157.62 RAD 6567.5 VEL 11.616 PTH 2.04 VHP 6.101 DPA 9.82 RAP 180.13 ECC 1.2231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 19 1340.09 6.87 350.93 14.61 117.54 9 21 40 740.1 10.51 344.14
 90.00 14 19 5 5554.96 28.29 258.89 20.34 91.25 15 51 40 4955.0 28.17 250.22
 100.00 10 4 20 1130.29 5.47 334.75 13.84 119.43 10 23 10 530.3 9.36 328.11
 100.00 15 56 46 5239.99 29.88 235.72 20.34 89.28 17 24 6 4640.0 29.46 226.94
 110.00 10 38 52 1022.00 2.17 324.49 11.79 124.12 10 55 54 422.0 6.63 318.25
 110.00 17 38 43 4921.05 33.76 211.25 20.09 84.32 19 0 44 4321.0 32.61 202.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7496 TRA -.8149 TC3 .9395 BAU .1841 SGT 1929.1 SGR 356.6 SG3 362.1 ST 1237.2 SR 140.8 SS 1497.9
 RDE -.0842 RRA -.1010 RC3 .3867 FAU .05468 RRT .4032 RRF -.4479 RTF -.9246 CRT -.7556 CRS -.8435 CST .9887
 FDE-1.7929 FRA 1.0575 FC3-3.4924 BSP 6268 SGB 1961.7 R23 -.0700 R13 -.9256 LSA 1940.9 MSA 164.7 SSA 14.6
 BDE .7543 BRA .8212 BC3 1.0160 FSP -1050 SG1 1934.6 SG2 325.4 THA 4.39 EL1 1241.8 EL2 91.9 ALF 175.06

LAUNCH DATE MAY 26 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 314.464

RL 151.54 LAL .00 LOL 244.08 VL 26.463 GAL 2.26 AZL 94.00 HCA 133.19 SMA 126.24 ECC .20405 INC 3.9951 V1 29.401
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.350 GAP -8.59 AZP 87.26 TAL 171.13 TAP 304.33 RCA 100.48 APO 152.00 V2 34.926
 RC 55.163 GL -30.65 GP 6.37 ZAL 78.30 ZAP 21.38 ETS 342.80 ZAE 147.33 ETE 27.04 ZAC 87.04 ETC 13.37 CLP -20.45

PLANETOCENTRIC CONIC

C3 13.058 VHL 3.614 DLA -23.26 RAL 156.20 RAD 6567.5 VEL 11.595 PTH 2.03 VHP 5.760 DPA 10.12 RAP 181.09 ECC 1.2149
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 5 39 1289.43 8.46 348.05 13.10 117.12 9 27 9 689.4 12.03 341.19
 90.00 14 1 27 5589.40 28.21 261.40 18.58 92.51 15 34 37 4989.4 28.26 252.74
 100.00 10 8 58 1085.07 6.98 332.23 12.31 119.14 10 27 3 485.1 10.81 325.54
 100.00 15 40 50 5268.99 29.89 237.88 18.63 90.41 17 8 39 4669.0 29.63 229.09
 110.00 10 40 47 985.33 3.57 322.57 10.20 124.02 10 57 12 385.3 8.01 316.30
 110.00 17 25 31 4941.49 33.89 212.83 18.45 85.25 18 47 52 4341.5 32.86 203.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7616 TRA -.7761 TC3 1.0070 BAU .1904 SGT 1944.8 SGR 359.4 SG3 403.6 ST 1272.9 SR 104.7 SS 1604.7
 RDE -.0573 RRA -.0991 RC3 .4188 FAU .05987 RRT .4862 RRF -.5367 RTF -.9283 CRT -.6666 CRS -.7658 CST .9894
 FDE-2.0017 FRA 1.0868 FC3-3.9691 BSP 6357 SGB 1977.7 R23 -.0840 R13 -.9296 LSA 2044.5 MSA 161.5 SSA 13.9
 BDE .7638 BRA .7824 BC3 1.0906 FSP -1182 SG1 1952.8 SG2 312.7 THA 5.27 EL1 1274.9 EL2 77.9 ALF 176.85

LAUNCH DATE MAY 26 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 321.110

RL 151.54 LAL .00 LOL 244.08 VL 26.540 GAL 2.10 AZL 94.08 HCA 136.38 SMA 126.73 ECC .19900 INC 4.0750 V1 29.401
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.416 GAP -7.97 AZP 87.05 TAL 171.49 TAP 307.87 RCA 101.51 APO 151.95 V2 34.938
 RC 56.885 GL -31.98 GP 7.16 ZAL 79.25 ZAP 24.06 ETS 342.99 ZAE 146.98 ETE 27.35 ZAC 86.27 ETC 13.22 CLP -23.03

PLANETOCENTRIC CONIC

C3 12.662 VHL 3.558 DLA -24.13 RAL 154.79 RAD 6567.5 VEL 11.578 PTH 2.02 VHP 5.437 DPA 10.59 RAP 181.98 ECC 1.2084
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 13 1236.58 10.08 345.02 11.75 116.60 9 33 49 636.6 13.58 338.08
 90.00 13 42 39 5629.01 28.06 264.29 16.92 93.95 15 16 28 5029.0 28.32 255.64
 100.00 10 14 26 1038.95 8.50 329.65 10.91 118.77 10 31 45 438.9 12.28 322.90
 100.00 15 24 7 5301.88 29.85 240.32 17.02 91.70 16 52 29 4701.9 29.77 231.52
 110.00 10 43 6 949.07 4.95 320.67 8.73 123.87 10 58 55 349.1 9.36 314.36
 110.00 17 11 57 4964.52 34.01 214.62 16.93 86.30 18 34 41 4364.5 33.12 205.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7708 TRA -.7383 TC3 1.0560 BAU .1947 SGT 1949.9 SGR 370.6 SG3 449.8 ST 1301.4 SR 68.8 SS 1718.6
 RDE -.0271 RRA -.0986 RC3 .4557 FAU .06555 RRT .5758 RRF -.6325 RTF -.9309 CRT -.3758 CRS -.5003 CST .9899
 FDE-2.2412 FRA 1.1193 FC3-4.4822 BSP 6374 SGB 1984.8 R23 -.1020 R13 -.9328 LSA 2150.9 MSA 159.4 SSA 13.1
 BDE .7713 BRA .7448 BC3 1.1501 FSP -1326 SG1 1961.8 SG2 301.1 THA 6.40 EL1 1301.7 EL2 63.7 ALF 178.86

LAUNCH DATE MAY 26 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 327.740

RL 151.54 LAL .00 LOL 244.08 VL 26.609 GAL 1.96 AZL 94.16 HCA 139.57 SMA 127.18 ECC .19444 INC 4.1649 V1 29.401
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.477 GAP -7.36 AZP 86.83 TAL 171.84 TAP 311.41 RCA 102.45 APO 151.91 V2 34.951
 RC 58.673 GL -33.32 GP 8.10 ZAL 80.18 ZAP 26.95 ETS 343.05 ZAE 146.82 ETE 28.12 ZAC 85.62 ETC 13.08 CLP -25.79

PLANETOCENTRIC CONIC

C3 12.362 VHL 3.516 DLA -25.01 RAL 153.40 RAD 6567.5 VEL 11.565 PTH 2.02 VHP 5.133 DPA 11.26 RAP 182.78 ECC 1.2035
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 22 36 1179.77 11.80 341.72 10.57 115.93 9 42 16 579.8 15.19 334.69
 90.00 13 22 8 5675.62 27.80 267.68 15.35 95.63 14 56 44 5075.6 28.29 259.05
 100.00 10 21 6 990.91 10.06 326.94 9.66 118.30 10 37 37 390.9 13.77 320.11
 100.00 15 6 20 5339.71 29.74 243.13 15.52 93.17 16 35 19 4739.7 29.86 234.33
 110.00 10 46 0 912.76 6.32 318.76 7.39 123.66 11 1 13 312.8 10.70 312.40
 110.00 16 57 54 4990.62 34.10 216.65 15.55 87.50 18 21 5 4390.6 33.38 207.48

DIFFERENTIAL CORRECTIONS

TDE .7779 TRA -.6991 TC3 1.0924 BAU .1985
 RDE .0076 RRA -.0994 RC3 .4993 FAU .07200
 FDE-2.5183 FRA 1.1505 FC3-5.0421 BSP 6393
 BDE .7780 BRA .7062 BC3 1.2011 FSP -1492

MID-COURSE EXECUTION ACCURACY

SGT 1943.6 SGR 394.2 SG3 501.5
 RRT .6658 RRF -.7279 RTF -.9331
 SGB 1983.2 R23 -.1237 R13 -.9358
 SG1 1961.7 SG2 291.4 THA 7.87

ORBIT DETERMINATION ACCURACY

ST 1322.8 SR 56.0 SS 1841.2
 CRT .4876 CRS .3660 CST .9903
 LSA 2262.3 MSA 157.5 SSA 12.3
 EL1 1323.1 EL2 48.9 ALF 1.18

LAUNCH DATE MAY 26 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 334.355

RL 151.54 LAL .00 LOL 244.08 VL 26.671 GAL 1.83 AZL 94.27 HCA 142.76 SMA 127.58 ECC .19036 INC 4.2675 V1 29.401
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.533 GAP -6.77 AZP 86.60 TAL 172.18 TAP 314.94 RCA 103.30 APO 151.87 V2 34.964
 RC 60.521 GL -34.67 GP 9.23 ZAL 81.05 ZAP 30.05 ETS 342.98 ZAE 146.82 ETE 29.43 ZAC 85.11 ETC 12.94 CLP -28.73

PLANETOCENTRIC CONIC

C3 12.158 VHL 3.487 DLA -25.92 RAL 152.02 RAD 6567.5 VEL 11.556 PTH 2.02 VHP 4.848 DPA 12.18 RAP 183.49 ECC 1.2001
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 53 1115.67 13.68 337.95 9.61 115.04 9 53 29 515.7 16.94 330.80
 90.00 12 58 54 5732.65 27.35 271.79 13.88 97.64 14 34 26 5132.7 28.12 263.21
 100.00 10 29 30 939.32 11.71 324.00 8.61 117.70 10 45 9 339.3 15.33 317.08
 100.00 14 46 58 5384.23 29.53 246.42 14.15 94.89 16 16 42 4784.2 29.89 237.64
 110.00 10 49 45 875.77 7.71 316.80 6.22 123.41 11 4 21 275.8 12.05 310.39
 110.00 16 43 13 5020.54 34.17 218.98 14.33 88.88 18 6 53 4420.5 33.63 209.78

DIFFERENTIAL CORRECTIONS

TDE .7835 TRA -.6586 TC3 1.1117 BAU .2017
 RDE .0488 RRA -.1017 RC3 .5518 FAU .07918
 FDE-2.8406 FRA 1.1793 FC3-5.6384 BSP 6399
 BDE .7850 BRA .6664 BC3 1.2411 FSP -1680

MID-COURSE EXECUTION ACCURACY

SGT 1925.2 SGR 434.8 SG3 559.2
 RRT .7469 RRF -.8130 RTF -.9350
 SGB 1973.7 R23 -.1488 R13 -.9390
 SG1 1953.0 SG2 285.0 THA 9.79

ORBIT DETERMINATION ACCURACY

ST 1337.3 SR 98.4 SS 1974.4
 CRT .9401 CRS .8882 CST .9908
 LSA 2381.6 MSA 155.6 SSA 11.4
 EL1 1340.5 EL2 33.5 ALF 3.96

LAUNCH DATE MAY 26 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 340.952

RL 151.54 LAL .00 LOL 244.08 VL 26.726 GAL 1.71 AZL 94.39 HCA 145.96 SMA 127.95 ECC .18671 INC 4.3865 V1 29.401
 RP 108.35 LAP -2.45 LOP 30.11 VP 37.584 GAP -6.20 AZP 86.36 TAL 172.50 TAP 318.45 RCA 104.06 APO 151.84 V2 34.977
 RC 62.420 GL -36.06 GP 10.59 ZAL 81.88 ZAP 33.41 ETS 342.82 ZAE 146.95 ETE 31.39 ZAC 84.74 ETC 12.81 CLP -31.87

PLANETOCENTRIC CONIC

C3 12.051 VHL 3.471 DLA -26.88 RAL 150.68 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 4.584 DPA 13.40 RAP 184.12 ECC 1.1983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 28 1036.86 15.89 333.23 8.96 113.75 10 9 44 436.9 18.97 325.90
 90.00 12 30 36 5807.72 26.55 277.14 12.45 100.21 14 7 23 5207.7 27.70 268.66
 100.00 10 40 37 881.29 13.53 320.65 7.80 116.91 10 55 18 281.3 17.03 313.61
 100.00 14 25 7 5438.52 29.14 250.41 12.89 96.96 15 55 46 4838.5 29.80 241.67
 110.00 10 54 40 837.17 9.15 314.73 5.23 123.08 11 8 38 237.2 13.45 308.27
 110.00 16 27 33 5055.41 34.18 221.71 13.27 90.49 17 51 49 4455.4 33.87 212.48

DIFFERENTIAL CORRECTIONS

TDE .7815 TRA -.6194 TC3 1.0973 BAU .2026
 RDE .0987 RRA -.1058 RC3 .6145 FAU .08679
 FDE-3.2058 FRA 1.2076 FC3-6.2348 BSP 6328
 BDE .7877 BRA .6284 BC3 1.2577 FSP -1883

MID-COURSE EXECUTION ACCURACY

SGT 1886.3 SGR 496.9 SG3 621.4
 RRT .8104 RRF -.8804 RTF -.9350
 SGB 1950.6 R23 -.1792 R13 -.9412
 SG1 1929.8 SG2 284.6 THA 12.32

ORBIT DETERMINATION ACCURACY

ST 1335.2 SR 173.6 SS 2112.9
 CRT .9947 CRS .9747 CST .9909
 LSA 2500.6 MSA 154.9 SSA 10.4
 EL1 1346.3 EL2 17.6 ALF 7.37

LAUNCH DATE MAY 26 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 347.532

RL 151.54 LAL .00 LOL 244.08 VL 26.775 GAL 1.61 AZL 94.53 HCA 149.15 SMA 128.27 ECC .18349 INC 4.5269 V1 29.401
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.631 GAP -5.64 AZP 86.11 TAL 172.79 TAP 321.94 RCA 104.74 APO 151.81 V2 34.990
 RC 64.367 GL -37.49 GP 12.25 ZAL 82.64 ZAP 37.05 ETS 342.57 ZAE 147.12 ETE 34.16 ZAC 84.52 ETC 12.69 CLP -35.24

PLANETOCENTRIC CONIC

C3 12.048 VHL 3.471 DLA -27.91 RAL 149.36 RAD 6567.5 VEL 11.551 PTH 2.02 VHP 4.342 DPA 14.98 RAP 184.69 ECC 1.1983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 24 1 915.51 19.07 325.74 8.87 111.34 10 39 16 315.5 21.80 318.13
 90.00 11 48 30 640.94 24.81 307.68 10.85 104.10 11 59 11 40.9 26.51 299.43
 100.00 10 56 21 810.93 15.65 316.51 7.31 115.80 11 9 52 210.9 19.00 309.31
 100.00 13 58 50 5508.79 28.46 255.52 11.70 99.56 15 30 39 4908.8 29.48 246.87
 110.00 11 1 15 795.55 10.69 312.49 4.46 122.66 11 14 31 195.5 14.92 305.95
 110.00 16 10 26 5096.94 34.11 224.95 12.40 92.41 17 35 23 4496.9 34.07 215.70

DIFFERENTIAL CORRECTIONS

TDE .7762 TRA -.5790 TC3 1.0616 BAU .2040
 RDE .1611 RRA -.1117 RC3 .6912 FAU .09505
 FDE-3.6273 FRA 1.2285 FC3-6.8296 BSP 6269
 BDE .7927 BRA .5897 BC3 1.2668 FSP -2109

MID-COURSE EXECUTION ACCURACY

SGT 1831.5 SGR 587.0 SG3 689.0
 RRT .8559 RRF -.9285 RTF -.9344
 SGB 1923.2 R23 -.2084 R13 -.9443
 SG1 1900.9 SG2 292.5 THA 15.72

ORBIT DETERMINATION ACCURACY

ST 1321.8 SR 273.6 SS 2261.8
 CRT .9992 CRS .9928 CST .9911
 LSA 2629.5 MSA 154.0 SSA 9.4
 EL1 1349.8 EL2 10.6 ALF 11.69

LAUNCH DATE MAY 26 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 354.094

RL 151.54 LAL .00 LOL 244.08 VL 26.819 GAL 1.53 AZL 94.70 HCA 152.35 SMA 128.56 ECC .18065 INC 4.6965 V1 29.401
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.674 GAP -5.10 AZP 85.84 TAL 173.05 TAP 325.40 RCA 105.34 APO 151.79 V2 35.003
 RC 66.356 GL -39.00 GP 14.31 ZAL 83.33 ZAP 41.02 ETS 342.25 ZAE 147.23 ETE 37.89 ZAC 84.44 ETC 12.60 CLP -38.86

PLANETOCENTRIC CONIC

C3 12.166 VHL 3.488 DLA -29.03 RAL 148.05 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 4.127 DPA 17.02 RAP 185.21 ECC 1.2002
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.30 10 5 30 959.94 22.71 330.41 9.09 108.59 10 21 30 359.9 25.04 322.45
 96.70 11 56 36 600.63 22.72 304.06 9.09 108.57 12 6 37 .6 25.05 296.11
 100.00 11 22 18 710.85 18.52 310.46 7.35 113.89 11 34 9 110.9 21.59 303.01
 100.00 13 22 30 5612.99 27.05 262.95 10.45 103.23 14 56 3 5013.0 28.60 254.49
 110.00 11 10 17 748.64 12.40 309.94 3.98 122.11 11 22 46 148.6 16.56 303.29
 110.00 15 50 59 5147.97 33.89 228.92 11.71 94.75 17 16 47 4548.0 34.18 219.69

DIFFERENTIAL CORRECTIONS

TOE .7617 TRA -.5409 TC3 .9866 BAU .2048
 RDE .2409 RRA -.1201 RC3 .7828 FAU .10330
 FDE-4.0999 FRA 1.2440 FC3-7.3510 BSP 6132
 BDE .7989 BRA .5541 BC3 1.2594 FSP -2337

MID-COURSE EXECUTION ACCURACY

SGT 1752.7 SGR 711.1 SG3 758.7
 RRT .8827 RRF -.9596 RTF -.9311
 SGB 1891.5 R23 -.2346 R13 -.9475
 SG1 1865.2 SG2 314.0 THA 20.30

ORBIT DETERMINATION ACCURACY

ST 1288.0 SR 401.7 SS 2415.1
 CRT .9973 CRS .9977 CST .9908
 LSA 2762.1 MSA 154.3 SSA 8.4
 EL1 1348.9 EL2 28.3 ALF 17.29

LAUNCH DATE MAY 26 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 360.638

RL 151.54 LAL .00 LOL 244.08 VL 26.856 GAL 1.45 AZL 94.91 HCA 155.55 SMA 128.81 ECC .17818 INC 4.9067 V1 29.401
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.713 GAP -4.58 AZP 85.53 TAL 173.27 TAP 328.83 RCA 105.86 APO 151.77 V2 35.016
 RC 68.382 GL -40.64 GP 16.90 ZAL 83.94 ZAP 45.35 ETS 341.88 ZAE 147.07 ETE 42.76 ZAC 84.48 ETC 12.56 CLP -42.74

PLANETOCENTRIC CONIC

C3 12.434 VHL 3.526 DLA -30.30 RAL 146.75 RAD 6567.5 VEL 11.568 PTH 2.02 VHP 3.943 DPA 19.63 RAP 185.76 ECC 1.2046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.74 9 24 54 1077.84 23.56 339.47 8.46 109.63 9 42 52 477.8 26.02 331.50
 101.26 12 26 46 5780.00 23.57 274.23 8.47 109.61 14 3 6 5180.0 26.03 266.26
 78.74 9 24 54 1077.84 23.56 339.47 8.46 109.63 9 42 52 477.8 26.02 331.50
 101.26 12 26 46 5780.00 23.57 274.23 8.47 109.61 14 3 6 5180.0 26.03 266.26
 110.00 11 23 13 692.29 14.42 306.82 3.86 121.33 11 34 46 92.3 18.46 300.04
 110.00 15 27 38 5213.55 33.41 233.98 11.18 97.70 16 54 31 4613.6 34.11 224.81

DIFFERENTIAL CORRECTIONS

TOE .7388 TRA -.5034 TC3 .8764 BAU .2077
 RDE .3457 RRA -.1308 RC3 .8907 FAU .11108
 FDE-4.6250 FRA 1.2432 FC3-7.7345 BSP 6017
 BDE .8157 BRA .5201 BC3 1.2495 FSP -2565

MID-COURSE EXECUTION ACCURACY

SGT 1649.4 SGR 877.9 SG3 827.4
 RRT .8949 RRF -.9782 RTF -.9249
 SGB 1868.5 R23 -.2476 R13 -.9529
 SG1 1835.0 SG2 352.2 THA 26.52

ORBIT DETERMINATION ACCURACY

ST 1233.7 SR 566.9 SS 2572.0
 CRT .9947 CRS .9992 CST .9903
 LSA 2904.3 MSA 155.0 SSA 7.4
 EL1 1356.7 EL2 53.2 ALF 24.60

LAUNCH DATE MAY 26 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 367.162

RL 151.54 LAL .00 LOL 244.08 VL 26.889 GAL 1.39 AZL 95.18 HCA 158.76 SMA 129.03 ECC .17605 INC 5.1762 V1 29.401
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.749 GAP -4.06 AZP 85.17 TAL 173.46 TAP 332.22 RCA 106.32 APO 151.75 V2 35.029
 RC 70.443 GL -42.46 GP 20.19 ZAL 84.50 ZAP 50.11 ETS 341.48 ZAE 146.34 ETE 48.84 ZAC 84.61 ETC 12.58 CLP -46.89

PLANETOCENTRIC CONIC

C3 12.906 VHL 3.592 DLA -31.77 RAL 145.40 RAD 6567.5 VEL 11.588 PTH 2.03 VHP 3.799 DPA 22.99 RAP 186.44 ECC 1.2124
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.96 8 52 38 1170.73 24.46 346.82 8.11 110.93 9 12 8 570.7 27.08 338.84
 105.04 12 48 18 5703.05 24.47 268.81 8.12 110.92 14 23 21 5103.0 27.09 260.83
 74.96 8 52 38 1170.73 24.46 346.82 8.11 110.93 9 12 8 570.7 27.08 338.84
 105.04 12 48 18 5703.05 24.47 268.81 8.12 110.92 14 23 21 5103.0 27.09 260.83
 110.00 11 43 19 617.08 17.04 302.56 4.33 120.09 11 53 36 17.1 20.91 295.57
 110.00 14 56 47 5304.70 32.36 240.88 10.74 101.66 16 25 12 4704.7 33.63 231.88

DIFFERENTIAL CORRECTIONS

TOE .7078 TRA -.4644 TC3 .7430 BAU .2174
 RDE .4883 RRA -.1429 RC3 1.0176 FAU .11801
 FDE-5.1961 FRA 1.2055 FC3-7.9162 BSP 6039
 BDE .8599 BRA .4859 BC3 1.2600 FSP -2787

MID-COURSE EXECUTION ACCURACY

SGT 1522.6 SGR 1101.4 SG3 890.1
 RRT .8963 RRF -.9887 RTF -.9155
 SGB 1879.2 R23 -.2353 R13 -.9626
 SG1 1835.0 SG2 405.3 THA 34.91

ORBIT DETERMINATION ACCURACY

ST 1158.9 SR 783.3 SS 2729.5
 CRT .9921 CRS .9997 CST .9894
 LSA 3063.1 MSA 155.4 SSA 6.4
 EL1 1396.4 EL2 81.3 ALF 33.98

LAUNCH DATE MAY 26 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 373.667

RL 151.54 LAL .00 LOL 244.08 VL 26.917 GAL 1.35 AZL 95.54 HCA 161.96 SMA 129.22 ECC .17425 INC 5.5365 V1 29.401
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.781 GAP -3.56 AZP 84.73 TAL 173.60 TAP 335.56 RCA 106.71 APO 151.74 V2 35.042
 RC 72.534 GL -44.57 GP 24.47 ZAL 84.99 ZAP 55.33 ETS 341.10 ZAE 144.58 ETE 56.01 ZAC 84.73 ETC 12.69 CLP -51.32

PLANETOCENTRIC CONIC

C3 13.685 VHL 3.699 DLA -33.52 RAL 143.95 RAD 6567.5 VEL 11.622 PTH 2.04 VHP 3.709 DPA 27.32 RAP 187.44 ECC 1.2252
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.27 8 22 45 1258.20 25.41 353.94 8.11 112.63 8 43 43 658.2 28.25 345.97
 108.73 13 6 38 5641.01 25.42 264.47 8.12 112.62 14 40 39 5041.0 28.26 256.50
 71.27 8 22 45 1258.20 25.41 353.94 8.11 112.63 8 43 43 658.2 28.25 345.97
 108.73 13 6 38 5641.01 25.42 264.47 8.12 112.62 14 40 39 5041.0 28.26 256.50
 110.00 12 23 21 5773.56 21.35 272.70 6.05 117.35 13 59 35 5173.6 24.84 265.29
 110.00 14 5 12 5461.69 29.62 252.29 9.86 107.89 15 36 14 4861.7 31.78 243.74

DIFFERENTIAL CORRECTIONS

TOE .6634 TRA -.4301 TC3 .5708 BAU .2350
 RDE .6875 RRA -.1571 RC3 1.1508 FAU .12149
 FDE-5.7674 FRA 1.1329 FC3-7.6857 BSP 6194
 BDE .9554 BRA .4579 BC3 1.2846 FSP -2930

MID-COURSE EXECUTION ACCURACY

SGT 1368.4 SGR 1394.2 SG3 932.8
 RRT .8842 RRF -.9943 RTF -.8976
 SGB 1953.6 R23 -.1961 R13 -.9756
 SG1 1896.2 SG2 470.1 THA 45.61

ORBIT DETERMINATION ACCURACY

ST 1055.2 SR 1068.7 SS 2870.0
 CRT .9891 CRS .9999 CST .9874
 LSA 3235.3 MSA 157.0 SSA 5.4
 EL1 1497.7 EL2 110.7 ALF 45.37

LAUNCH DATE MAY 26 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 380.152

RL 151.54 LAL .00 LOL 244.08 VL 26.940 GAL 1.31 AZL 96.05 MCA 165.17 SMA 129.38 ECC .17275 INC 6.0469 V1 29.401
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.810 GAP -3.07 AZP 84.15 TAL 173.69 TAP 338.86 RCA 107.03 APO 151.73 V2 35.056
 RC 74.652 GL -47.13 GP 30.16 ZAL 85.43 ZAP 61.09 ETS 340.79 ZAE 141.15 ETE 63.79 ZAC 84.69 ETC 12.89 CLP -56.00

PLANETOCENTRIC CONIC

C3 14.988 VHL 3.871 DLA -35.69 RAL 142.29 RAD 6567.6 VEL 11.678 PTH 2.05 VHP 3.704 DPA 32.96 RAP 189.17 ECC 1.2467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.31 7 52 51 1348.82 26.38 1.53 8.59 114.95 8 15 20 748.8 29.52 353.61
 112.69 13 23 14 5590.62 26.40 260.99 8.59 114.94 14 56 25 4990.6 29.53 253.07
 67.31 7 52 51 1348.82 26.38 1.53 8.59 114.95 8 15 20 748.8 29.52 353.61
 112.69 13 23 14 5590.62 26.40 260.99 8.59 114.94 14 56 25 4990.6 29.53 253.07
 67.31 7 52 51 1348.82 26.38 1.53 8.59 114.95 8 15 20 748.8 29.52 353.61
 112.69 13 23 14 5590.62 26.40 260.99 8.59 114.94 14 56 25 4990.6 29.53 253.07

DIFFERENTIAL CORRECTIONS

TOE .6088 TRA -.3987 TC3 .3822 BAU .2666
 RDE .9793 RRA -.1692 RC3 1.2745 FAU .11952
 FDE-6.2741 FRA .9871 FC3-6.9035 BSP 6733
 BDE 1.1531 BRA .4331 BC3 1.3306 FSP -2955

MID-COURSE EXECUTION ACCURACY

SGT 1194.6 SGR 1780.2 SG3 938.7
 RRT .8566 RRF -.9972 RTF -.8672
 SGB 2143.9 R23 -.1329 R13 -.9886
 SG1 2077.8 SG2 528.1 THA 57.78

ORBIT DETERMINATION ACCURACY

ST 927.0 SR 1452.5 SS 2976.7
 CRT .9849 CRS 1.0000 CST .9839
 LSA 3435.8 MSA 158.7 SSA 4.4
 EL1 1717.8 EL2 135.7 ALF 57.62

LAUNCH DATE MAY 26 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 386.616

RL 151.54 LAL .00 LOL 244.08 VL 26.960 GAL 1.29 AZL 96.83 MCA 168.37 SMA 129.51 ECC .17153 INC 6.8319 V1 29.401
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.836 GAP -2.59 AZP 83.31 TAL 173.74 TAP 342.11 RCA 107.30 APO 151.73 V2 35.069
 RC 76.795 GL -50.38 GP 37.90 ZAL 85.88 ZAP 67.42 ETS 340.70 ZAE 135.20 ETE 71.40 ZAC 84.23 ETC 13.14 CLP -60.88

PLANETOCENTRIC CONIC

C3 17.329 VHL 4.163 DLA -38.48 RAL 140.19 RAD 6567.7 VEL 11.778 PTH 2.08 VHP 3.852 DPA 40.36 RAP 192.51 ECC 1.2852
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.78 7 20 53 1451.20 27.25 10.32 9.79 118.29 7 45 4 851.2 30.80 2.54
 117.22 13 38 28 5554.28 27.26 258.53 9.79 118.28 15 11 2 4954.3 30.81 250.74
 62.78 7 20 53 1451.20 27.25 10.32 9.79 118.29 7 45 4 851.2 30.80 2.54
 117.22 13 38 28 5554.28 27.26 258.53 9.79 118.28 15 11 2 4954.3 30.81 250.74
 62.78 7 20 53 1451.20 27.25 10.32 9.79 118.29 7 45 4 851.2 30.80 2.54
 117.22 13 38 28 5554.28 27.26 258.53 9.79 118.28 15 11 2 4954.3 30.81 250.74

DIFFERENTIAL CORRECTIONS

TOE .5482 TRA -.3730 TC3 .1978 BAU .3151
 RDE 1.4330 RRA -.1668 RC3 1.3455 FAU .10851
 FDE-6.5628 FRA .7282 FC3-5.4210 BSP 7904
 BDE 1.5343 BRA .4086 BC3 1.3600 FSP -2793

MID-COURSE EXECUTION ACCURACY

SGT 1013.1 SGR 2287.2 SG3 879.4
 RRT .8048 RRF -.9986 RTF -.8144
 SGB 2501.5 R23 -.0695 R13 -.9963
 SG1 2437.1 SG2 564.3 THA 69.214

ORBIT DETERMINATION ACCURACY

ST 779.7 SR 1974.7 SS 3009.1
 CRT .9779 CRS 1.0000 CST .9775
 LSA 3679.2 MSA 160.6 SSA 3.5
 EL1 2117.6 EL2 152.1 ALF 68.77

LAUNCH DATE MAY 26 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 393.057

RL 151.54 LAL .00 LOL 244.08 VL 26.975 GAL 1.29 AZL 98.21 MCA 171.58 SMA 129.62 ECC .17058 INC 8.2052 V1 29.401
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.859 GAP -2.13 AZP 81.88 TAL 173.73 TAP 345.31 RCA 107.51 APO 151.73 V2 35.082
 RC 78.958 GL -54.72 GP 48.70 ZAL 86.39 ZAP 74.28 ETS 340.98 ZAE 125.64 ETE 77.90 ZAC 82.89 ETC 13.14 CLP -65.77

PLANETOCENTRIC CONIC

C3 22.232 VHL 4.715 DLA -42.19 RAL 137.23 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 4.338 DPA 49.94 RAP 199.80 ECC 1.3659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.31 6 44 17 1579.94 27.45 21.41 12.24 123.39 7 10 37 979.9 31.64 13.98
 122.69 13 51 28 5543.68 27.47 257.77 12.25 123.38 15 23 52 4943.7 31.65 250.34
 57.31 6 44 17 1579.94 27.45 21.41 12.24 123.39 7 10 37 979.9 31.64 13.98
 122.69 13 51 28 5543.68 27.47 257.77 12.25 123.38 15 23 52 4943.7 31.65 250.34
 57.31 6 44 17 1579.94 27.45 21.41 12.24 123.39 7 10 37 979.9 31.64 13.98
 122.69 13 51 28 5543.68 27.47 257.77 12.25 123.38 15 23 52 4943.7 31.65 250.34

DIFFERENTIAL CORRECTIONS

TOE .4991 TRA -.3662 TC3 .0435 BAU .3723
 RDE 2.1946 RRA -.1225 RC3 1.2519 FAU .08289
 FDE-6.3084 FRA .3584 FC3-3.2277 BSP 9707
 BDE 2.2506 BRA .3861 BC3 1.2526 FSP -2279

MID-COURSE EXECUTION ACCURACY

SGT 854.5 SGR 2923.3 SG3 714.4
 RRT .7152 RRF -.9992 RTF -.7256
 SGB 3045.6 R23 -.0267 R13 -.9990
 SG1 2989.1 SG2 584.1 THA 77.72

ORBIT DETERMINATION ACCURACY

ST 632.7 SR 2667.7 SS 2874.4
 CRT .9647 CRS 1.0000 CST .9649
 LSA 3968.9 MSA 164.4 SSA 2.6
 EL1 2736.9 EL2 162.4 ALF 77.07

LAUNCH DATE MAY 26 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 399.471

RL 151.54 LAL .00 LOL 244.08 VL 26.987 GAL 1.30 AZL 101.25 MCA 174.78 SMA 129.70 ECC .16988 INC 11.2482 V1 29.401
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.879 GAP -1.67 AZP 78.80 TAL 173.65 TAP 348.42 RCA 107.66 APO 151.73 V2 35.094
 RC 81.139 GL -60.70 GP 63.99 ZAL 87.14 ZAP 81.32 ETS 341.37 ZAE 111.07 ETE 82.01 ZAC 79.99 ETC 11.55 CLP -69.88

PLANETOCENTRIC CONIC

C3 36.420 VHL 6.035 DLA -47.17 RAL 132.54 RAD 6568.4 VEL 12.561 PTH 2.28 VHP 5.838 DPA 61.04 RAP 218.66 ECC 1.5994
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.56 5 59 38 1770.81 24.87 36.64 17.08 131.47 6 29 9 1170.8 30.00 30.14
 129.44 13 58 41 5598.58 24.88 260.57 17.09 131.46 15 32 0 4998.6 30.01 254.07
 50.56 5 59 38 1770.81 24.87 36.64 17.08 131.47 6 29 9 1170.8 30.00 30.14
 129.44 13 58 41 5598.58 24.88 260.57 17.09 131.46 15 32 0 4998.6 30.01 254.07
 50.56 5 59 38 1770.81 24.87 36.64 17.08 131.47 6 29 9 1170.8 30.00 30.14
 129.44 13 58 41 5598.58 24.88 260.57 17.09 131.46 15 32 0 4998.6 30.01 254.07

DIFFERENTIAL CORRECTIONS

TOE .5866 TRA -.4305 TC3 -.0477 BAU .3682
 RDE 3.6278 RRA .0062 RC3 .7548 FAU .03849
 FDE-5.0050 FRA .0328 FC3 -.9148 BSP 10661
 BDE 3.6749 BRA .4305 BC3 .7563 FSP -1218

MID-COURSE EXECUTION ACCURACY

SGT 821.4 SGR 3562.6 SG3 421.5
 RRT .6357 RRF -.9995 RTF -.6513
 SGB 3656.1 R23 -.0056 R13 -.9997
 SG1 3601.9 SG2 627.2 THA 81.40

ORBIT DETERMINATION ACCURACY

ST 585.3 SR 3444.3 SS 2396.8
 CRT .9511 CRS 1.0000 CST .9522
 LSA 4233.0 MSA 178.8 SSA 1.7
 EL1 3489.1 EL2 178.5 ALF 80.79

LAUNCH DATE MAY 26 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC
 RL 151.54 LAL .00 LOL 244.08 VL 26.995 GAL 1.33 AZL 113.60 MCA 177.92 SMA 129.75 ECC .16945 INC23.6025 V1 29.401
 RP 107.94 LAP -.83 LOP 62.17 VP 37.897 GAP -1.25 AZP 66.41 TAL 173.46 TAP 351.38 RCA 107.77 APO 151.74 V2 35.107
 RC 83.336 GL -66.58 GP 86.78 ZAL 88.45 ZAP 87.38 ETS 231.50 ZAE 87.88 ETE 333.02 ZAC 74.12 ETC 255.45 CLP -35.39

PLANETOCENTRIC CONIC
 C3 138.674 VHL 11.776 OLA -51.50 RAL 126.28 RAD 6570.5 VEL 16.125 PTH 2.84 VHP 13.165 DPA 64.31 RAP 270.97 ECC 3.2822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.00 5 16 22 2122.68 10.94 56.37 27.43 140.65 5 51 45 1522.7 17.07 51.49
 135.00 13 52 3 5862.51 10.95 271.49 27.44 140.65 15 29 45 5262.5 17.08 266.61
 45.00 5 16 22 2122.68 10.94 56.37 27.43 140.65 5 51 45 1522.7 17.07 51.49
 135.00 13 52 3 5862.51 10.95 271.49 27.44 140.65 15 29 45 5262.5 17.08 266.61
 45.00 5 16 22 2122.68 10.94 56.37 27.43 140.65 5 51 45 1522.7 17.07 51.49
 135.00 13 52 3 5862.51 10.95 271.49 27.44 140.65 15 29 45 5262.5 17.08 266.61

DIFFERENTIAL CORRECTIONS
 TOE 8.4928 TRA .8436 TC3 -.0352 BAU .0764 SGT 4185.2 SGR 470.8 SG3 133.5 ST 4136.9 SR 205.9 SS 1749.6
 RDE .3245 RRA .5638 RC3 .0214 FAU-.00331 RRT .4765 RRF -.4214 RTF -.9981 CRT .7966 CRS .7853 CST .9998
 FDE-3.1601 FRA -.1926 FC3 .0207 BSP 12113 SGB 4211.6 R23 .0669 R13 -.9978 LSA 4494.5 MSA 128.4 SSA .7
 BOE 8.4990 BRA 1.0146 BC3 .0412 FSP -375 SG1 4191.3 SG2 413.3 THA 3.10 EL1 4140.1 EL2 124.4 ALF 2.27

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 26 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC
 RL 151.54 LAL .00 LOL 244.08 VL 27.000 GAL 1.29 AZL 63.60 MCA 181.46 SMA 129.79 ECC .16905 INC26.3950 V1 29.401
 RP 107.91 LAP -.65 LOP 65.39 VP 37.912 GAP -.71 AZP 116.39 TAL 173.62 TAP 355.08 RCA 107.85 APO 151.73 V2 35.119
 RC 85.546 GL 66.46 GP -83.29 ZAL 88.68 ZAP 89.23 ETS 156.99 ZAE 87.78 ETE 57.06 ZAC 101.15 ETC 135.57 CLP 83.42

PLANETOCENTRIC CONIC
 C3 171.355 VHL 13.090 OLA 64.45 RAL 211.25 RAD 6570.9 VEL 17.108 PTH 2.93 VHP 18.924 DPA -69.10 RAP 83.15 ECC 3.8201
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 29.33 22 11 46 4886.26 -10.34 239.11 116.26 26.00 23 33 12 4286.3 -17.51 235.86
 150.67 8 14 34 3174.23 -10.34 96.12 116.24 26.00 9 7 28 2574.2 -17.50 92.87
 29.33 22 11 46 4886.26 -10.34 239.11 116.26 26.00 23 33 12 4286.3 -17.51 235.86
 150.67 8 14 34 3174.23 -10.34 96.12 116.24 26.00 9 7 28 2574.2 -17.50 92.87
 29.33 22 11 46 4886.26 -10.34 239.11 116.26 26.00 23 33 12 4286.3 -17.51 235.86
 150.67 8 14 34 3174.23 -10.34 96.12 116.24 26.00 9 7 28 2574.2 -17.50 92.87

DIFFERENTIAL CORRECTIONS
 TOE-1.5806 TRA-1.9561 TC3 -.0673 BAU .2482 SGT 2109.7 SGR 3902.0 SG3 93.8 ST 912.9 SR 1169.9 SS 537.0
 RDE .1291 RRA-3.8380 RC3 -.0849 FAU-.00486 RRT .9394 RRF -.9982 RTF -.9580 CRT .6151 CRS .9807 CST .7572
 FDE .1108 FRA 1.0668 FC3 .0246 BSP 12177 SGB 4435.8 R23 -.0172 R13 -.9998 LSA 1447.8 MSA 628.0 SSA .2
 BOE 1.5859 BRA 4.3078 BC3 .1084 FSP -268 SG1 4388.9 SG2 643.1 THA 62.43 EL1 1345.5 EL2 625.9 ALF 56.09

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 26 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC
 RL 151.54 LAL .00 LOL 244.08 VL 27.003 GAL 1.36 AZL 84.19 MCA 184.55 SMA 129.81 ECC .16908 INC 5.8097 V1 29.401
 RP 107.87 LAP -.46 LOP 68.60 VP 37.924 GAP -.32 AZP 95.79 TAL 173.27 TAP 357.82 RCA 107.86 APO 151.75 V2 35.131
 RC 87.767 GL 46.82 GP -69.05 ZAL 84.89 ZAP 90.02 ETS 1.08 ZAE 114.66 ETE 261.81 ZAC 109.27 ETC 350.46 CLP -90.05

PLANETOCENTRIC CONIC
 C3 14.049 VHL 3.748 OLA 49.04 RAL 188.03 RAD 6567.6 VEL 11.638 PTH 2.04 VHP 6.462 DPA -51.16 RAP 127.97 ECC 1.2312
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.13 21 30 51 4205.60 -35.71 195.38 59.42 53.84 22 40 56 3605.6 -40.14 187.34
 131.87 5 50 10 2705.14 -35.70 77.45 59.41 53.83 6 35 15 2105.1 -40.13 69.42
 48.13 21 30 51 4205.60 -35.71 195.38 59.42 53.84 22 40 56 3605.6 -40.14 187.34
 131.87 5 50 10 2705.14 -35.70 77.45 59.41 53.83 6 35 15 2105.1 -40.13 69.42
 48.13 21 30 51 4205.60 -35.71 195.38 59.42 53.84 22 40 56 3605.6 -40.14 187.34
 131.87 5 50 10 2705.14 -35.70 77.45 59.41 53.83 6 35 15 2105.1 -40.13 69.42

DIFFERENTIAL CORRECTIONS
 TOE .5291 TRA .3641 TC3 -.9829 BAU .5283 SGT 1384.8 SGR 4024.5 SG3 358.0 ST 848.2 SR 1393.7 SS 781.4
 RDE .6257 RRA 1.4467 RC3-2.6356 FAU .04521 RRT .9138 RRF .9998 RTF .9114 CRT .8735 CRS -.9998 CST -.8630
 FDE .6141 FRA 1.4813 FC3-2.7859 BSP 12735 SGB 4256.0 R23 .0462 R13 .9988 LSA 1769.4 MSA 376.5 SSA 1.2
 BOE .8194 BRA 1.4918 BC3 2.8129 FSP -1109 SG1 4222.2 SG2 536.0 THA 72.25 EL1 1590.9 EL2 361.7 ALF 60.32

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 26 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC
 RL 151.54 LAL .00 LOL 244.08 VL 27.002 GAL 1.42 AZL 88.00 MCA 187.75 SMA 129.80 ECC .16926 INC 2.0027 V1 29.401
 RP 107.83 LAP -.27 LOP 71.82 VP 37.935 GAP .11 AZP 91.99 TAL 172.98 TAP .73 RCA 107.83 APO 151.77 V2 35.143
 RC 89.996 GL 21.08 GP -53.36 ZAL 82.06 ZAP 93.55 ETS 356.18 ZAE 129.23 ETE 254.19 ZAC 112.99 ETC 353.89 CLP -95.96

PLANETOCENTRIC CONIC
 C3 6.889 VHL 2.625 OLA 26.17 RAL 172.77 RAD 6567.2 VEL 11.326 PTH 1.95 VHP 4.424 DPA -36.98 RAP 137.59 ECC 1.1134
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 19 2996.58 -28.01 96.18 26.26 85.63 3 8 15 2396.6 -28.32 87.53
 90.00 23 0 57 3631.93 -17.21 139.19 23.43 67.16 24 1 29 3031.9 -20.16 131.76
 100.00 4 7 43 2643.90 -29.87 70.33 26.36 88.85 4 51 46 2043.9 -29.71 61.53
 100.00 23 54 14 3459.84 -15.51 125.75 22.63 64.12 24 51 54 2859.8 -18.86 118.56
 110.00 6 5 22 2275.76 -33.76 42.19 26.18 95.74 6 43 18 1675.8 -32.59 33.15
 110.00 0 17 0 3400.75 -12.11 119.33 20.68 57.79 1 13 41 2800.7 -16.28 112.70

DIFFERENTIAL CORRECTIONS
 TOE .2025 TRA .2948 TC3-2.8006 BAU .5208 SGT 1694.3 SGR 3431.6 SG3 697.0 ST 493.5 SR 721.1 SS 621.6
 RDE .1102 RRA .9256 RC3-4.9125 FAU .09308 RRT .9479 RRF .9997 RTF .9471 CRT .7165 CRS -.9960 CST -.6512
 FDE .1844 FRA 2.1445 FC-11.6975 BSP 11733 SGB 3827.1 R23 .0629 R13 .9977 LSA 1018.1 MSA 336.6 SSA 3.6
 BOE .2305 BRA .9714 BC3 5.6547 FSP -2211 SG1 3795.9 SG2 487.8 THA 64.47 EL1 819.6 EL2 302.9 ALF 59.23

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE MAY 26 1967

FLIGHT TIME 158.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 431.422

RL 151.54 LAL .00 LOL 244.08 VL 26.999 GAL 1.50 AZL 89.58 HCA 190.97 SMA 129.78 ECC .16962 INC .4144 V1 29.401
 RP 107.80 LAP -.08 LOP 75.05 VP 37.943 GAP .52 AZP 90.41 TAL 172.65 TAP 3.61 RCA 107.77 APO 151.79 V2 35.154
 RC 92.232 GL 4.60 GP -42.37 ZAL 80.70 ZAP 98.38 ETS 353.24 ZAE 138.26 ETE 245.02 ZAC 115.51 ETC 357.13 CLP-101.37

PLANETOCENTRIC CONIC

C3 6.004 VHL 2.450 DLA 10.76 RAL 166.50 RAD 6567.2 VEL 11.287 PTH 1.94 VHP 3.734 DPA -26.37 RAP 141.35 ECC 1.0988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 53 13 2309.41 -21.75 47.58 13.61 108.59 5 31 42 1709.4 -19.01 39.98
 90.00 19 36 5 4272.20 2.37 176.01 11.57 61.77 20 47 17 3672.2 -1.42 169.38
 100.00 6 19 56 2029.72 -22.51 26.72 13.32 110.20 6 53 46 1429.7 -19.56 19.17
 100.00 20 52 3 4027.12 3.07 157.60 11.17 60.25 21 59 10 3427.1 -.91 151.08
 110.00 7 40 22 1778.01 -24.51 6.71 12.42 114.61 8 10 0 1178.0 -20.99 359.33
 110.00 21 48 6 3851.60 4.91 143.14 10.03 56.13 22 52 18 3251.6 .43 136.92

DIFFERENTIAL CORRECTIONS

TDE -.0328 TRA .3017 TC3-3.9420 BAU .4942
 RDE -.1640 RRA .6816 RC3-4.7285 FAU .12767
 FDE -.7794 FRA 2.5786 FC-18.4086 BSP 10784
 BDE .1672 BRA .7454 BC3 6.1561 FSP -3052

MID-COURSE EXECUTION ACCURACY

SGT 2062.5 SGR 2854.7 SG3 955.8
 RRT .9632 RRF .9994 RTF .9632
 SGB 3521.8 R23 .0904 R13 .9953
 SG1 3492.5 SG2 452.8 THA 54.48

ORBIT DETERMINATION ACCURACY

ST 235.9 SR 623.5 SS 840.3
 CRT .9403 CRS -.9937 CST -.8987
 LSA 1067.0 MSA 108.0 SSA 14.7
 EL1 662.3 EL2 75.6 ALF 70.15

LAUNCH DATE MAY 26 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 437.733

RL 151.54 LAL .00 LOL 244.08 VL 26.994 GAL 1.58 AZL 90.46 HCA 194.19 SMA 129.74 ECC .17017 INC .4540 V1 29.401
 RP 107.77 LAP .11 LOP 78.27 VP 37.949 GAP .94 AZP 89.56 TAL 172.27 TAP 6.46 RCA 107.67 APO 151.82 V2 35.165
 RC 94.474 GL -5.00 GP -34.45 ZAL 79.85 ZAP 103.58 ETS 351.47 ZAE 143.31 ETE 234.66 ZAC 117.38 ETC 359.88 CLP-106.54

PLANETOCENTRIC CONIC

C3 6.076 VHL 2.465 DLA 1.57 RAL 163.59 RAD 6567.2 VEL 11.290 PTH 1.94 VHP 3.453 DPA -18.44 RAP 142.99 ECC 1.1000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 21 2019.48 -14.41 29.49 9.14 114.64 6 26 1 1419.5 -10.96 22.51
 90.00 18 13 41 4566.07 11.57 192.70 8.83 63.97 19 29 47 3966.1 7.97 185.86
 100.00 7 14 26 1754.75 -15.08 9.69 8.81 116.12 7 43 40 1154.7 -11.45 2.78
 100.00 19 34 18 4306.03 12.23 173.23 8.48 62.51 20 46 4 3706.0 8.46 166.48
 110.00 8 24 21 1535.89 -16.88 352.08 7.81 120.18 8 49 57 935.9 -12.74 345.41
 110.00 20 40 52 4097.66 14.01 156.39 7.45 58.50 21 49 9 3497.7 9.74 149.89

DIFFERENTIAL CORRECTIONS

TDE -.2270 TRA .3357 TC3-4.5613 BAU .4861
 RDE -.2665 RRA .5356 RC3-3.8732 FAU .14726
 FDE -1.6867 FRA 2.8084 FC-20.9827 BSP 10346
 BDE .3501 BRA .6321 BC3 5.9839 FSP -3559

MID-COURSE EXECUTION ACCURACY

SGT 2438.1 SGR 2362.4 SG3 1109.9
 RRT .9710 RRF .9989 RTF .9715
 SGB 3394.8 R23 .1177 R13 .9920
 SG1 3370.2 SG2 408.4 THA 44.07

ORBIT DETERMINATION ACCURACY

ST 581.1 SR 725.7 SS 1310.7
 CRT .9916 CRS -.9968 CST -.9979
 LSA 1605.6 MSA 61.6 SSA 22.3
 EL1 927.9 EL2 58.8 ALF 51.37

LAUNCH DATE MAY 26 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 444.027

RL 151.54 LAL .00 LOL 244.08 VL 26.986 GAL 1.67 AZL 91.01 HCA 197.42 SMA 129.69 ECC .17090 INC 1.0111 V1 29.401
 RP 107.73 LAP .30 LOP 81.50 VP 37.954 GAP 1.35 AZP 89.03 TAL 171.84 TAP 9.26 RCA 107.53 APO 151.86 V2 35.175
 RC 96.719 GL -10.89 GP -28.57 ZAL 79.05 ZAP 108.72 ETS 350.42 ZAE 145.52 ETE 224.42 ZAC 118.80 ETC 2.20 CLP-111.44

PLANETOCENTRIC CONIC

C3 6.356 VHL 2.521 DLA -4.23 RAL 162.20 RAD 6567.2 VEL 11.303 PTH 1.94 VHP 3.345 DPA -12.43 RAP 143.72 ECC 1.1046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 57 1847.01 -9.29 19.41 7.76 116.87 7 0 44 1247.0 -5.61 12.66
 90.00 17 25 4 4753.73 16.89 203.90 8.62 66.93 18 44 17 4153.7 13.63 196.75
 100.00 7 49 18 1591.00 -9.97 .22 7.40 118.33 8 15 49 991.0 -6.11 353.57
 100.00 18 48 23 4484.97 17.60 183.81 8.30 65.44 20 3 8 3885.0 14.14 176.73
 110.00 8 53 0 1391.59 -11.77 344.02 6.33 122.33 9 16 12 791.6 -7.42 337.62
 110.00 20 1 11 4257.15 19.46 165.53 7.31 61.33 21 12 8 3657.2 15.49 158.67

DIFFERENTIAL CORRECTIONS

TDE -.4014 TRA .3825 TC3-4.9614 BAU .4963
 RDE -.2898 RRA .4390 RC3-3.0825 FAU .15551
 FDE -2.3756 FRA 2.9062 FC-21.1813 BSP 10416
 BDE .4950 BRA .5823 BC3 5.8410 FSP -3807

MID-COURSE EXECUTION ACCURACY

SGT 2801.8 SGR 1962.2 SG3 1181.7
 RRT .9751 RRF .9979 RTF .9763
 SGB 3420.6 R23 .1349 R13 .9888
 SG1 3401.8 SG2 358.3 THA 34.77

ORBIT DETERMINATION ACCURACY

ST 951.9 SR 725.2 SS 1665.0
 CRT .9889 CRS -.9972 CST -.9970
 LSA 2048.5 MSA 88.1 SSA 15.3
 EL1 1193.6 EL2 85.8 ALF 37.22

LAUNCH DATE MAY 26 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 450.303

RL 151.54 LAL .00 LOL 244.08 VL 26.976 GAL 1.78 AZL 91.40 HCA 200.65 SMA 129.63 ECC .17180 INC 1.3976 V1 29.401
 RP 107.70 LAP .49 LOP 84.72 VP 37.956 GAP 1.75 AZP 88.69 TAL 171.36 TAP 12.01 RCA 107.36 APO 151.90 V2 35.185
 RC 98.967 GL -14.74 GP -24.08 ZAL 78.19 ZAP 113.63 ETS 349.83 ZAE 145.86 ETE 215.41 ZAC 119.86 ETC 4.19 CLP-116.04

PLANETOCENTRIC CONIC

C3 6.686 VHL 2.586 DLA -8.18 RAL 161.66 RAD 6567.2 VEL 11.317 PTH 1.95 VHP 3.327 DPA -7.79 RAP 144.05 ECC 1.1100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 3 1730.67 -5.65 12.80 7.71 117.79 7 26 53 1130.7 -1.88 6.14
 90.00 16 52 39 4887.40 20.26 212.27 9.42 69.78 18 14 7 4287.4 17.32 204.82
 100.00 8 15 26 1481.02 -6.36 354.06 7.32 119.27 8 40 7 881.0 -2.41 347.49
 100.00 18 17 57 4612.29 21.01 191.72 9.11 68.24 19 34 50 4012.3 17.87 184.34
 110.00 9 14 39 1295.58 -8.23 338.84 6.18 123.30 9 36 15 695.6 -3.79 332.56
 110.00 19 35 13 4370.49 23.01 172.41 8.16 64.00 20 48 4 3770.5 19.33 165.21

DIFFERENTIAL CORRECTIONS

TDE -.5618 TRA .4391 TC3-5.2448 BAU .5177
 RDE -.2768 RRA .3727 RC3-2.4579 FAU .15580
 FDE -2.8364 FRA 2.9345 FC-20.1748 BSP 10775
 BDE .6263 BRA .5760 BC3 5.7922 FSP -3846

MID-COURSE EXECUTION ACCURACY

SGT 3142.1 SGR 1639.5 SG3 1195.7
 RRT .9767 RRF .9960 RTF .9792
 SGB 3544.1 R23 .1394 R13 .9866
 SG1 3530.2 SG2 313.5 THA 27.24

ORBIT DETERMINATION ACCURACY

ST 1282.0 SR 663.6 SS 1895.4
 CRT .9880 CRS -.9965 CST -.9973
 LSA 2380.3 MSA 101.8 SSA 13.8
 EL1 1440.7 EL2 91.0 ALF 27.20

LAUNCH DATE MAY 26 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 456.560

RL 151.54 LAL .00 LOL 244.08 VL 26.965 GAL 1.90 AZL 91.68 HCA 203.88 SMA 129.55 ECC .17287 INC 1.6834 V1 29.401
 RP 107.67 LAP .68 LOP 87.95 VP 37.956 GAP 2.16 AZP 88.46 TAL 170.84 TAP 14.72 RCA 107.15 APO 151.94 V2 35.195
 RC 101.218 GL -17.38 GP -20.58 ZAL 77.24 ZAP 118.23 ETS 349.51 ZAE 145.10 ETE 208.12 ZAC 120.61 ETC 5.89 CLP-120.34

PLANETOCENTRIC CONIC

C3 7.025 VHL 2.651 OLA -11.05 RAL 161.65 RAD 6567.2 VEL 11.332 PTH 1.95 VHP 3.363 DPA -4.16 RAP 144.25 ECC 1.1156
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 3 1645.66 -2.93 8.03 8.35 118.18 7 48 28 1045.7 .86 1.40
 90.00 16 29 34 4989.75 22.52 218.92 10.72 72.37 17 52 44 4389.7 19.90 211.23
 100.00 8 36 51 1401.11 -3.68 349.64 7.94 119.69 9 0 12 801.1 .30 343.11
 100.00 17 56 27 4709.53 23.33 198.01 10.42 70.77 19 14 57 4109.5 20.50 190.37
 110.00 9 32 32 1226.73 -5.64 335.19 6.72 123.77 9 52 59 626.7 -1.16 328.96
 110.00 19 17 16 4456.67 25.48 177.89 9.50 66.40 20 31 32 3856.7 22.06 170.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7138 TRA .5012 TC3-5.4627 BAU .5461 SGT 3462.0 SGR 1384.0 SG3 1175.4 ST 1580.6 SR 582.4 SS 2043.9
 RDE -.2501 RRA .3242 RC3-1.9904 FAU .15174 RRT .9763 RRF .9928 RTF .9812 CRT .9863 CRS -.9949 CST -.9978
 FDE-3.1275 FRA 2.9115 FC-18.6990 BSP 11381 SGB 3728.4 R23 .1318 R13 .9856 LSA 2646.3 MSA 108.7 SSA 13.6
 BOE .7564 BRA .5969 BC3 5.8140 FSP -3795 SG1 3717.9 SG2 278.9 THA 21.45 EL1 1682.1 EL2 90.2 ALF 20.03

LAUNCH DATE MAY 26 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 462.798

RL 151.54 LAL .00 LOL 244.08 VL 26.952 GAL 2.03 AZL 91.90 HCA 207.12 SMA 129.46 ECC .17412 INC 1.9047 V1 29.401
 RP 107.65 LAP .87 LOP 91.19 VP 37.955 GAP 2.56 AZP 88.30 TAL 170.27 TAP 17.39 RCA 106.92 APO 152.00 V2 35.204
 RC 103.470 GL -19.26 GP -17.80 ZAL 76.20 ZAP 122.49 ETS 349.37 ZAE 143.75 ETE 202.50 ZAC 121.06 ETC 7.37 CLP-124.35

PLANETOCENTRIC CONIC

C3 7.369 VHL 2.715 OLA -13.24 RAL 162.01 RAD 6567.2 VEL 11.347 PTH 1.96 VHP 3.434 DPA -1.29 RAP 144.45 ECC 1.1213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 2 1579.95 -.81 4.36 9.42 118.31 8 7 22 979.9 2.98 357.73
 90.00 16 12 26 5072.44 24.12 224.45 12.30 74.69 17 36 58 4472.4 21.78 216.56
 100.00 8 55 28 1339.78 -1.61 346.27 8.98 119.85 9 17 48 739.8 2.38 339.74
 100.00 17 40 40 4787.84 24.99 203.24 12.02 73.04 19 0 28 4187.8 22.43 195.38
 110.00 9 48 11 1174.68 -3.66 332.46 7.70 124.01 10 7 46 574.7 .83 326.25
 110.00 19 4 27 4525.70 27.28 182.45 11.13 68.55 20 19 53 3925.7 24.12 174.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8585 TRA .5680 TC3-5.6299 BAU .5776 SGT 3760.7 SGR 1180.5 SG3 1134.0 ST 1851.6 SR 497.6 SS 2132.7
 RDE -.2181 RRA .2881 RC3-1.6386 FAU .14513 RRT .9737 RRF .9876 RTF .9826 CRT .9829 CRS -.9921 CST -.9981
 FDE-3.2868 FRA 2.8596 FC-17.0500 BSP 12089 SGB 3941.6 R23 .1155 R13 .9851 LSA 2865.6 MSA 112.7 SSA 14.0
 BOE .8858 BRA .6369 BC3 5.8635 FSP -3672 SG1 3933.2 SG2 257.2 THA 17.07 EL1 1915.3 EL2 88.7 ALF 14.83

LAUNCH DATE MAY 26 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 469.016

RL 151.54 LAL .00 LOL 244.08 VL 26.937 GAL 2.18 AZL 92.08 HCA 210.36 SMA 129.36 ECC .17554 INC 2.0818 V1 29.401
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.952 GAP 2.95 AZP 88.20 TAL 169.66 TAP 20.02 RCA 106.65 APO 152.06 V2 35.212
 RC 105.723 GL -20.61 GP -15.55 ZAL 75.06 ZAP 126.43 ETS 349.34 ZAE 142.14 ETE 198.24 ZAC 121.24 ETC 8.63 CLP-128.06

PLANETOCENTRIC CONIC

C3 7.718 VHL 2.778 OLA -14.99 RAL 162.64 RAD 6567.3 VEL 11.363 PTH 1.96 VHP 3.531 DPA .98 RAP 144.72 ECC 1.1270
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 7 1527.08 .89 1.42 10.79 118.30 8 24 34 927.1 4.67 354.77
 90.00 15 59 22 5142.06 25.28 229.22 14.08 76.81 17 25 4 4542.1 23.22 221.16
 100.00 9 12 20 1290.83 .05 343.58 10.32 119.89 9 33 51 690.8 4.03 337.05
 100.00 17 28 50 4853.54 26.22 207.74 13.82 75.10 18 49 44 4253.5 23.92 199.69
 110.00 10 2 28 1133.84 -2.10 330.32 8.97 124.13 10 21 21 533.8 2.39 324.12
 110.00 18 55 12 4583.30 28.65 186.37 12.97 70.50 20 11 36 3983.3 25.72 178.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9951 TRA .6419 TC3-5.7392 BAU .6087 SGT 4032.3 SGR 1016.0 SG3 1078.4 ST 2095.3 SR 416.0 SS 2174.9
 RDE -.1843 RRA .2617 RC3-1.3655 FAU .13655 RRT .9679 RRF .9795 RTF .9834 CRT .9764 CRS -.9870 CST -.9983
 FDE-3.3430 FRA 2.8028 FC-15.3168 BSP 12799 SGB 4158.3 R23 .0959 R13 .9849 LSA 3046.3 MSA 115.6 SSA 14.5
 BOE 1.0120 BRA .6932 BC3 5.8994 FSP -3498 SG1 4150.9 SG2 248.1 THA 13.76 EL1 2134.4 EL2 88.1 ALF 10.99

LAUNCH DATE MAY 26 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 475.215

RL 151.54 LAL .00 LOL 244.08 VL 26.920 GAL 2.34 AZL 92.23 HCA 213.60 SMA 129.25 ECC .17712 INC 2.2280 V1 29.401
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.948 GAP 3.35 AZP 88.14 TAL 169.01 TAP 22.61 RCA 106.35 APO 152.14 V2 35.220
 RC 107.975 GL -21.59 GP -13.71 ZAL 73.85 ZAP 130.07 ETS 349.35 ZAE 140.45 ETE 195.02 ZAC 121.18 ETC 9.71 CLP-131.50

PLANETOCENTRIC CONIC

C3 8.077 VHL 2.842 OLA -16.43 RAL 163.49 RAD 6567.3 VEL 11.378 PTH 1.97 VHP 3.647 DPA 2.79 RAP 145.12 ECC 1.1329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 57 1483.30 2.31 358.97 12.38 118.23 8 40 40 883.3 6.06 352.31
 90.00 15 49 17 5202.59 26.16 233.43 16.02 78.75 17 16 0 4602.6 24.34 225.24
 100.00 9 28 3 1250.67 1.42 341.38 11.88 119.86 9 48 53 650.7 5.38 334.83
 100.00 17 19 52 4910.46 27.15 211.71 15.78 76.99 18 41 43 4310.5 25.09 203.51
 110.00 10 15 50 1100.96 -.85 328.61 10.47 124.17 10 34 11 501.0 3.64 322.40
 110.00 18 48 34 4632.92 29.73 189.83 14.98 72.29 20 5 47 4032.9 27.02 181.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.1263 TRA .7203 TC3-5.8113 BAU .6399 SGT 4284.7 SGR 885.0 SG3 1017.6 ST 2317.6 SR 342.1 SS 2188.1
 RDE -.1517 RRA .2415 RC3-1.1566 FAU .12762 RRT .9584 RRF .9676 RTF .9839 CRT .9652 CRS -.9776 CST -.9985
 FDE-3.3345 FRA 2.7364 FC-13.6779 BSP 13533 SGB 4375.1 R23 .0752 R13 .9848 LSA 3203.4 MSA 117.6 SSA 15.0
 BOE 1.1364 BRA .7597 BC3 5.9253 FSP -3314 SG1 4368.1 SG2 247.9 THA 11.23 EL1 2341.1 EL2 88.6 ALF 8.12

LAUNCH DATE MAY 26 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 481.394

RL 151.54 LAL .00 LOL 244.08 VL 26.903 GAL 2.51 AZL 92.35 HCA 216.84 SMA 129.13 ECC .17888 INC 2.3512 V1 29.401
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.942 GAP 3.74 AZP 88.12 TAL 168.32 TAP 25.15 RCA 106.03 APO 152.22 V2 35.227
 RC 110.226 GL -22.29 GP -12.18 ZAL 72.55 ZAP 133.42 ETS 349.40 ZAE 138.80 ETE 192.57 ZAC 120.89 ETC 10.61 CLP-134.68

PLANETOCENTRIC CONIC

C3 8.453 VHL 2.907 DLA -17.64 RAL 164.51 RAD 6567.3 VEL 11.395 PTH 1.97 VHP 3.778 DPA 4.23 RAP 145.65 ECC 1.1391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 55 1446.31 3.50 356.90 14.16 118.12 8 56 1 846.3 7.23 350.22
 90.00 15 41 27 5256.58 26.82 237.25 18.10 80.55 17 9 4 4656.6 25.24 228.94
 100.00 9 42 57 1217.07 2.55 339.53 13.64 119.79 10 3 14 617.1 6.50 332.97
 100.00 17 13 6 4961.05 27.88 215.29 17.88 78.75 18 35 47 4361.0 26.04 206.97
 110.00 10 28 36 1074.07 .18 327.20 12.15 124.18 10 46 30 474.1 4.66 320.99
 110.00 18 43 57 4676.82 30.60 192.95 17.13 73.96 20 1 54 4076.8 28.09 184.65

DIFFERENTIAL CORRECTIONS

TDE-1.2492 TRA .8078 TC3-5.8274 BAU .6680
 RDE -.1200 RRA .2270 RC3 -.9883 FAU .11791
 FDE-3.2691 FRA 2.6809 FC-12.0753 BSP 14166
 BDE 1.2549 BRA .8391 BC3 5.9106 FSP -3096

MID-COURSE EXECUTION ACCURACY

SGT 4509.1 SGR 778.8 SG3 952.5
 RRT .9436 RRF .9505 RTF .9839
 SGB 4575.9 R23 .0577 R13 .9845
 SG1 4568.8 SG2 254.5 THA 9.28

ORBIT DETERMINATION ACCURACY

ST 2514.2 SR 275.7 SS 2173.0
 CRT .9439 CRS -.9594 CST -.9986
 LSA 3332.4 MSA 120.2 SSA 15.6
 EL1 2527.7 EL2 90.6 ALF 5.92

LAUNCH DATE MAY 26 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 487.552

RL 151.54 LAL .00 LOL 244.08 VL 26.884 GAL 2.70 AZL 92.46 HCA 220.08 SMA 129.00 ECC .18081 INC 2.4572 V1 29.401
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.934 GAP 4.14 AZP 88.12 TAL 167.59 TAP 27.66 RCA 105.67 APO 152.32 V2 35.233
 RC 112.475 GL -22.77 GP -10.90 ZAL 71.20 ZAP 136.51 ETS 349.45 ZAE 137.24 ETE 190.70 ZAC 120.39 ETC 11.37 CLP-137.63

PLANETOCENTRIC CONIC

C3 8.851 VHL 2.975 DLA -18.67 RAL 165.67 RAD 6567.3 VEL 11.412 PTH 1.98 VHP 3.922 DPA 5.35 RAP 146.32 ECC 1.1457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 15 1414.66 4.51 355.13 16.10 117.99 9 10 50 814.7 8.22 348.42
 90.00 15 35 25 5305.70 27.32 240.76 20.30 82.24 17 3 50 4705.7 25.96 232.35
 100.00 9 57 17 1188.67 3.51 337.97 15.55 119.70 10 17 6 588.7 7.44 331.38
 100.00 17 8 4 5006.91 28.44 218.58 20.10 80.39 18 31 31 4406.9 26.82 210.16
 110.00 10 40 56 1051.91 1.03 326.05 14.00 124.17 10 58 28 451.9 5.50 319.82
 110.00 18 40 54 4716.44 31.31 195.82 19.40 75.52 19 59 31 4116.4 29.00 187.37

DIFFERENTIAL CORRECTIONS

TDE-1.3699 TRA .8991 TC3-5.8179 BAU .6959
 RDE -.0910 RRA .2155 RC3 -.8577 FAU .10893
 FDE-3.1863 FRA 2.6176 FC-10.6548 BSP 14828
 BDE 1.3729 BRA .9245 BC3 5.8808 FSP -2904

MID-COURSE EXECUTION ACCURACY

SGT 4720.6 SGR 695.1 SG3 890.2
 RRT .9234 RRF .9275 RTF .9840
 SGB 4771.5 R23 .0417 R13 .9843
 SG1 4764.1 SG2 264.4 THA 7.77

ORBIT DETERMINATION ACCURACY

ST 2696.5 SR 219.6 SS 2149.5
 CRT .9052 CRS -.9247 CST -.9987
 LSA 3453.2 MSA 122.0 SSA 16.1
 EL1 2703.9 EL2 93.1 ALF 4.22

LAUNCH DATE MAY 26 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 493.688

RL 151.54 LAL .00 LOL 244.08 VL 26.864 GAL 2.91 AZL 92.55 HCA 223.32 SMA 128.86 ECC .18292 INC 2.5498 V1 29.401
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.925 GAP 4.53 AZP 88.14 TAL 166.82 TAP 30.14 RCA 105.29 APO 152.43 V2 35.239
 RC 114.720 GL -23.07 GP -9.83 ZAL 69.78 ZAP 139.37 ETS 349.49 ZAE 135.78 ETE 189.24 ZAC 119.71 ETC 11.99 CLP-140.38

PLANETOCENTRIC CONIC

C3 9.277 VHL 3.046 DLA -19.57 RAL 166.96 RAD 6567.3 VEL 11.431 PTH 1.98 VHP 4.076 DPA 6.22 RAP 147.13 ECC 1.1527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 7 1387.39 5.38 353.60 18.18 117.84 9 25 15 787.4 9.06 346.86
 90.00 15 30 49 5351.09 27.69 244.03 22.61 83.84 17 0 0 4751.1 26.55 235.54
 100.00 10 11 11 1164.56 4.32 336.64 17.60 119.61 10 30 35 564.6 8.24 330.04
 100.00 17 4 27 5049.16 28.88 221.65 22.44 81.95 18 28 36 4449.2 27.47 213.13
 110.00 10 52 57 1033.67 1.72 325.10 15.98 124.14 11 10 10 433.7 6.19 318.86
 110.00 18 39 11 4752.80 31.89 198.49 21.79 77.00 19 58 23 4152.8 29.78 189.92

DIFFERENTIAL CORRECTIONS

TDE-1.4861 TRA .9975 TC3-5.7740 BAU .7221
 RDE -.0638 RRA .2071 RC3 -.7522 FAU .10034
 FDE-3.0843 FRA 2.5590 FC3-9.3645 BSP 15451
 BDE 1.4875 BRA 1.0188 BC3 5.8228 FSP -2718

MID-COURSE EXECUTION ACCURACY

SGT 4914.6 SGR 628.7 SG3 830.1
 RRT .8966 RRF .8976 RTF .9839
 SGB 4954.6 R23 .0285 R13 .9841
 SG1 4946.9 SG2 276.6 THA 6.56

ORBIT DETERMINATION ACCURACY

ST 2860.7 SR 173.1 SS 2114.4
 CRT .8298 CRS -.8550 CST -.9988
 LSA 3559.3 MSA 124.0 SSA 16.5
 EL1 2864.3 EL2 96.5 ALF 2.88

LAUNCH DATE MAY 26 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 499.802

RL 151.54 LAL .00 LOL 244.08 VL 26.842 GAL 3.12 AZL 92.63 HCA 226.57 SMA 128.72 ECC .18522 INC 2.6319 V1 29.401
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.915 GAP 4.93 AZP 88.19 TAL 166.02 TAP 32.58 RCA 104.88 APO 152.56 V2 35.244
 RC 116.961 GL -23.23 GP -8.91 ZAL 68.30 ZAP 142.02 ETS 349.51 ZAE 134.44 ETE 188.10 ZAC 118.86 ETC 12.49 CLP-142.93

PLANETOCENTRIC CONIC

C3 9.737 VHL 3.120 DLA -20.36 RAL 168.35 RAD 6567.4 VEL 11.451 PTH 1.99 VHP 4.240 DPA 6.86 RAP 148.08 ECC 1.1602
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 36 1363.91 6.12 352.28 20.39 117.70 9 39 20 763.9 9.78 345.51
 90.00 15 27 27 5393.54 27.97 247.10 25.02 85.36 16 57 21 4793.5 27.03 238.56
 100.00 10 24 42 1144.14 5.01 335.51 19.78 119.51 10 43 46 544.1 8.90 328.89
 100.00 17 2 3 5088.54 29.23 224.52 24.88 83.43 18 26 51 4488.5 28.01 215.93
 110.00 11 4 41 1018.83 2.29 324.32 18.09 124.12 11 21 40 418.8 6.75 318.08
 110.00 18 38 33 4786.62 32.39 201.00 24.29 78.41 19 58 19 4186.6 30.45 192.32

DIFFERENTIAL CORRECTIONS

TDE-1.5982 TRA 1.1035 TC3-5.6967 BAU .7466
 RDE -.0380 RRA .2008 RC3 -.6650 FAU .09218
 FDE-2.9704 FRA 2.5050 FC3-8.1965 BSP 16028
 BDE 1.5987 BRA 1.1216 BC3 5.7354 FSP -2539

MID-COURSE EXECUTION ACCURACY

SGT 5091.3 SGR 576.0 SG3 772.7
 RRT .8627 RRF .8605 RTF .9838
 SGB 5123.8 R23 .0179 R13 .9839
 SG1 5115.6 SG2 289.9 THA 5.59

ORBIT DETERMINATION ACCURACY

ST 3007.3 SR 137.6 SS 2070.4
 CRT .6827 CRS -.7149 CST -.9989
 LSA 3651.5 MSA 126.2 SSA 16.9
 EL1 3008.8 EL2 100.5 ALF 1.79

LAUNCH DATE MAY 26 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 505.894

RL 151.54 LAL .00 LOL 244.08 VL 26.820 GAL 3.36 AZL 92.71 HCA 229.81 SMA 128.57 ECC .18771 INC 2.7057 V1 29.401
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.903 GAP 5.33 AZP 88.25 TAL 165.19 TAP 35.00 RCA 104.44 APO 152.70 V2 35.248
 RC 119.197 GL -23.27 GP -8.13 ZAL 66.79 ZAP 144.49 ETS 349.50 ZAE 133.22 ETE 187.20 ZAC 117.86 ETC 12.89 CLP-145.31

PLANETOCENTRIC CONIC

C3 10.237 VHL 3.200 DLA -21.05 RAL 169.84 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 4.412 DPA 7.33 RAP 149.15 ECC 1.1685
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 30 44 1343.82 6.76 351.14 22.71 117.56 9 53 8 743.8 10.40 344.35
 90.00 15 25 9 5433.60 28.15 250.02 27.52 86.81 16 55 43 4833.6 27.41 241.43
 100.00 10 37 54 1127.05 5.58 334.57 22.07 119.41 10 56 41 527.0 9.46 327.92
 100.00 17 0 40 5125.60 29.48 227.25 27.41 84.84 18 26 6 4525.6 28.46 218.60
 110.00 11 16 12 1007.04 2.74 323.71 20.31 124.09 11 32 59 407.0 7.20 317.45
 110.00 18 38 52 4818.38 32.79 203.39 26.89 79.77 19 59 10 4218.4 31.04 194.61

DIFFERENTIAL CORRECTIONS

TDE-1.7068 TRA 1.2177 TC3-5.5889 BAU .7692
 RDE -.0135 RRA .1964 RC3 -.5920 FAU .08454
 FDE-2.8518 FRA 2.4566 FC3-7.1493 BSP 16550
 BDE 1.7068 BRA 1.2334 BC3 5.6202 FSP -2368

MID-COURSE EXECUTION ACCURACY

SGT 5252.8 SGR 534.9 SG3 718.9
 RRT .8220 RRF .8163 RTF .9835
 SGB 5279.9 R23 .0092 R13 .9836
 SG1 5271.2 SG2 303.6 THA 4.80

ORBIT DETERMINATION ACCURACY

ST 3137.6 SR 116.2 SS 2020.8
 CRT .4238 CRS -.4630 CST -.9990
 LSA 3731.6 MSA 128.8 SSA 17.1
 EL1 3138.0 EL2 105.2 ALF .90

LAUNCH DATE MAY 26 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 511.962

RL 151.54 LAL .00 LOL 244.08 VL 26.797 GAL 3.60 AZL 92.77 HCA 233.06 SMA 128.42 ECC .19039 INC 2.7727 V1 29.401
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.890 GAP 5.73 AZP 88.33 TAL 164.32 TAP 37.38 RCA 103.97 APO 152.87 V2 35.252
 RC 121.426 GL -23.20 GP -7.45 ZAL 65.23 ZAP 146.78 ETS 349.46 ZAE 132.11 ETE 186.47 ZAC 116.74 ETC 13.20 CLP-147.54

PLANETOCENTRIC CONIC

C3 10.785 VHL 3.284 DLA -21.66 RAL 171.39 RAD 6567.4 VEL 11.497 PTH 2.00 VHP 4.593 DPA 7.64 RAP 150.33 ECC 1.1775
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 32 1326.87 7.29 350.18 25.14 117.44 10 6 38 726.9 10.91 343.37
 90.00 15 23 47 5471.65 28.26 252.80 30.12 88.20 16 54 59 4871.7 27.72 244.17
 100.00 10 50 47 1113.04 6.05 333.79 24.46 119.33 11 9 20 513.0 9.91 327.13
 100.00 17 0 13 5160.72 29.67 229.84 30.04 86.19 18 26 14 4560.7 28.83 221.14
 110.00 11 27 28 998.05 3.08 323.24 22.62 124.06 11 44 6 398.1 7.53 316.98
 110.00 18 40 1 4848.47 33.14 205.67 29.58 81.08 20 0 50 4248.5 31.55 196.81

DIFFERENTIAL CORRECTIONS

TDE-1.8106 TRA 1.3428 TC3-5.4460 BAU .7889
 RDE .0102 RRA .1935 RC3 -.5288 FAU .07718
 FDE-2.7276 FRA 2.4179 FC3-6.1951 BSP 16987
 BDE 1.8106 BRA 1.3567 BC3 5.4717 FSP -2200

MID-COURSE EXECUTION ACCURACY

SGT 5397.0 SGR 502.8 SG3 668.2
 RRT .7745 RRF .7656 RTF .9830
 SGB 5420.3 R23 .0026 R13 .9831
 SG1 5411.0 SG2 317.3 THA 4.14

ORBIT DETERMINATION ACCURACY

ST 3249.8 SR 110.9 SS 1964.7
 CRT .0762 CRS -.1188 CST -.9990
 LSA 3796.9 MSA 132.3 SSA 17.3
 EL1 3249.9 EL2 110.6 ALF .15

LAUNCH DATE MAY 26 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 518.005

RL 151.54 LAL .00 LOL 244.08 VL 26.773 GAL 3.87 AZL 92.83 HCA 236.30 SMA 128.26 ECC .19328 INC 2.8343 V1 29.401
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.876 GAP 6.14 AZP 88.43 TAL 163.43 TAP 39.74 RCA 103.47 APO 153.05 V2 35.255
 RC 123.648 GL -23.04 GP -6.87 ZAL 63.64 ZAP 148.93 ETS 349.38 ZAE 131.10 ETE 185.88 ZAC 115.49 ETC 13.44 CLP-149.63

PLANETOCENTRIC CONIC

C3 11.388 VHL 3.375 DLA -22.20 RAL 173.01 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 4.781 DPA 7.81 RAP 151.62 ECC 1.1874
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 57 58 1312.96 7.73 349.39 27.66 117.33 10 19 51 713.0 11.33 342.56
 90.00 15 23 16 5507.94 28.31 255.45 32.79 89.53 16 55 4 4907.9 27.95 246.80
 100.00 11 3 20 1101.98 6.42 333.17 26.95 119.26 11 21 42 502.0 10.27 326.50
 100.00 17 0 35 5194.15 29.80 232.32 32.75 87.49 18 27 10 4594.2 29.13 223.58
 110.00 11 38 30 991.75 3.32 322.91 25.03 124.04 11 55 1 391.8 7.77 316.64
 110.00 18 41 55 4877.14 33.42 207.86 32.37 82.34 20 3 12 4277.1 32.00 198.92

DIFFERENTIAL CORRECTIONS

TDE-1.9147 TRA 1.4736 TC3-5.2918 BAU .8089
 RDE .0328 RRA .1912 RC3 -.4753 FAU .07068
 FDE-2.6117 FRA 2.3777 FC3-5.3736 BSP 17464
 BDE 1.9150 BRA 1.4860 BC3 5.3131 FSP -2058

MID-COURSE EXECUTION ACCURACY

SGT 5534.1 SGR 478.5 SG3 622.0
 RRT .7222 RRF .7099 RTF .9827
 SGB 5554.8 R23 -.0033 R13 .9827
 SG1 5545.0 SG2 330.3 THA 3.59

ORBIT DETERMINATION ACCURACY

ST 3352.2 SR 119.4 SS 1910.2
 CRT -.2364 CRS .1958 CST -.9991
 LSA 3857.7 MSA 135.5 SSA 17.4
 EL1 3352.3 EL2 116.0 ALF 179.52

LAUNCH DATE MAY 26 1967

FLIGHT TIME 188.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 524.022

RL 151.54 LAL .00 LOL 244.08 VL 26.748 GAL 4.15 AZL 92.89 HCA 239.55 SMA 128.09 ECC .19639 INC 2.8914 V1 29.401
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.861 GAP 6.55 AZP 88.53 TAL 162.52 TAP 42.07 RCA 102.94 APO 153.25 V2 35.257
 RC 125.861 GL -22.81 GP -6.36 ZAL 62.03 ZAP 150.95 ETS 349.27 ZAE 130.19 ETE 185.39 ZAC 114.14 ETC 13.61 CLP-151.60

PLANETOCENTRIC CONIC

C3 12.053 VHL 3.472 DLA -22.67 RAL 174.68 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 4.976 DPA 7.86 RAP 153.00 ECC 1.1984
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 11 1 1302.01 8.07 348.77 30.26 117.24 10 32 43 702.0 11.66 341.93
 90.00 15 23 33 5542.64 28.31 257.99 35.55 90.80 16 55 56 4942.6 28.12 249.33
 100.00 11 15 31 1093.79 6.69 332.72 29.51 119.20 11 33 45 493.8 10.53 326.04
 100.00 17 1 44 5226.09 29.87 234.69 35.54 88.73 18 28 50 4626.1 29.37 225.92
 110.00 11 49 15 988.03 3.47 322.71 27.52 124.03 12 5 43 388.0 7.91 316.44
 110.00 18 44 29 4904.61 33.65 209.98 35.24 83.57 20 6 14 4304.6 32.39 200.97

DIFFERENTIAL CORRECTIONS

TDE-2.0162 TRA 1.6145 TC3-5.1150 BAU .8271
 RDE .0549 RRA .1897 RC3 -.4279 FAU .06462
 FDE-2.4977 FRA 2.3429 FC3-4.6420 BSP 17893
 BDE 2.0170 BRA 1.6256 BC3 5.1329 FSP -1924

MID-COURSE EXECUTION ACCURACY

SGT 5659.0 SGR 460.0 SG3 579.2
 RRT .6658 RRF .6503 RTF .9823
 SGB 5677.7 R23 -.0081 R13 .9823
 SG1 5667.4 SG2 342.7 THA 3.11

ORBIT DETERMINATION ACCURACY

ST 3440.1 SR 136.6 SS 1853.4
 CRT -.4525 CRS .4161 CST -.9991
 LSA 3907.5 MSA 139.3 SSA 17.4
 EL1 3440.6 EL2 121.8 ALF 178.97

LAUNCH DATE MAY 26 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 530.010

RL 151.54 LAL .00 LOL 244.08 VL 26.723 GAL 4.45 AZL 92.94 HCA 242.80 SMA 127.93 ECC .19974 INC 2.9448 V1 29.401
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.844 GAP 6.97 AZP 88.65 TAL 161.58 TAP 44.38 RCA 102.37 APO 153.48 V2 35.258
 RC 128.066 GL -22.50 GP -5.91 ZAL 60.40 ZAP 152.85 ETS 349.11 ZAE 129.37 ETE 184.99 ZAC 112.69 ETC 13.73 CLP-153.46

PLANETOCENTRIC CONIC

C3 12.789 VHL 3.576 DLA -23.08 RAL 176.39 RAD 6567.5 VEL 11.583 PTH 2.03 VHP 5.180 DPA 7.80 RAP 154.47 ECC 1.2105
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 23 38 1294.03 8.32 348.31 32.93 117.17 10 45 12 694.0 11.89 341.46
 90.00 15 24 34 5575.85 28.25 260.42 38.37 92.02 16 57 30 4975.9 28.23 251.75
 100.00 11 27 20 1088.45 6.87 332.42 32.15 119.16 11 45 28 488.5 10.71 325.74
 100.00 17 3 34 5256.66 29.89 236.96 38.40 89.93 18 31 11 4656.7 29.56 228.17
 110.00 11 59 44 986.85 3.51 322.65 30.08 124.02 12 16 11 386.8 7.95 316.38
 110.00 18 47 39 4931.03 33.83 212.02 38.19 84.77 20 9 50 4331.0 32.74 202.95

DIFFERENTIAL CORRECTIONS

TDE-2.1164 TRA 1.7647 TC3-4.9211 BAU .8440
 RDE .0768 RRA .1885 RC3 -.3856 FAU .05904
 FDE-2.3886 FRA 2.3115 FC3-3.9967 BSP 18297
 BDE 2.1178 BRA 1.7747 BC3 4.9362 FSP -1800

MID-COURSE EXECUTION ACCURACY

SGT 5773.4 SGR 446.1 SG3 539.7
 RRT .6067 RRF .5883 RTF .9818
 SGB 5790.6 R23 -.0122 R13 .9818
 SG1 5779.7 SG2 354.2 THA 2.69

ORBIT DETERMINATION ACCURACY

ST 3515.6 SR 157.8 SS 1796.4
 CRT -.5867 CRS .5544 CST -.9992
 LSA 3948.5 MSA 143.3 SSA .17.3
 EL1 3516.8 EL2 127.8 ALF 178.49

LAUNCH DATE MAY 26 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 535.970

RL 151.54 LAL .00 LOL 244.08 VL 26.697 GAL 4.77 AZL 93.00 HCA 246.05 SMA 127.76 ECC .20333 INC 2.9952 V1 29.401
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.826 GAP 7.39 AZP 88.78 TAL 160.62 TAP 46.66 RCA 101.78 APO 153.73 V2 35.259
 RC 130.261 GL -22.14 GP -5.52 ZAL 58.77 ZAP 154.65 ETS 348.91 ZAE 128.62 ETE 184.65 ZAC 111.17 ETC 13.82 CLP-155.22

PLANETOCENTRIC CONIC

C3 13.606 VHL 3.689 DLA -23.44 RAL 178.13 RAD 6567.5 VEL 11.619 PTH 2.04 VHP 5.391 DPA 7.65 RAP 156.00 ECC 1.2239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 35 47 1289.04 8.47 348.03 35.68 117.12 10 57 16 689.0 12.04 341.17
 90.00 15 26 18 5607.65 28.15 262.74 41.26 93.18 16 59 46 5007.7 28.30 254.07
 100.00 11 38 42 1085.96 6.95 332.28 34.86 119.15 11 56 48 486.0 10.79 325.59
 100.00 17 6 5 5285.96 29.87 239.14 41.33 91.08 18 34 11 4686.0 29.70 230.34
 110.00 12 9 54 988.16 3.46 322.72 32.70 124.03 12 26 22 388.2 7.90 316.45
 110.00 18 51 23 4956.52 33.97 214.00 41.20 85.93 20 13 59 4356.5 33.03 204.88

DIFFERENTIAL CORRECTIONS

TDE-2.2122 TRA 1.9289 TC3-4.7020 BAU .8576
 RDE .0987 RRA .1878 RC3 -.3467 FAU .05366
 FDE-2.2797 FRA 2.2891 FC3-3.4142 BSP 18593
 BDE 2.2144 BRA 1.9380 BC3 4.7147 FSP -1677

MID-COURSE EXECUTION ACCURACY

SGT 5874.0 SGR 436.0 SG3 503.1
 RRT .5462 RRF .5253 RTF .9812
 SGB 5890.2 R23 -.0151 R13 .9812
 SG1 5878.9 SG2 364.9 THA 2.33

ORBIT DETERMINATION ACCURACY

ST 3574.6 SR 180.8 SS 1736.5
 CRT -.6696 CRS .6404 CST -.9992
 LSA 3975.3 MSA 148.2 SSA 17.1
 EL1 3576.6 EL2 134.2 ALF 178.06

LAUNCH DATE MAY 26 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 541.898

RL 151.54 LAL .00 LOL 244.08 VL 26.671 GAL 5.11 AZL 93.04 HCA 249.29 SMA 127.58 ECC .20718 INC 3.0431 V1 29.401
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.808 GAP 7.83 AZP 88.92 TAL 159.64 TAP 48.93 RCA 101.15 APO 154.01 V2 35.259
 RC 132.447 GL -21.72 GP -5.17 ZAL 57.12 ZAP 156.35 ETS 348.65 ZAE 127.94 ETE 184.36 ZAC 109.56 ETC 13.86 CLP-156.89

PLANETOCENTRIC CONIC

C3 14.516 VHL 3.810 DLA -23.75 RAL 179.89 RAD 6567.6 VEL 11.658 PTH 2.05 VHP 5.611 DPA 7.42 RAP 157.60 ECC 1.2389
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 47 25 1287.11 8.53 347.92 38.47 117.10 11 8 52 687.1 12.10 341.05
 90.00 15 28 43 5638.06 28.02 264.95 44.20 94.28 17 2 41 5038.1 28.32 256.30
 100.00 11 49 36 1086.34 6.94 332.30 37.61 119.15 12 7 43 486.3 10.77 325.62
 100.00 17 9 13 5314.06 29.82 241.23 44.32 92.17 18 37 47 4714.1 29.80 232.42
 110.00 12 19 42 991.97 3.32 322.92 35.38 124.04 12 36 14 392.0 7.76 316.65
 110.00 18 55 36 4981.20 34.07 215.92 44.29 87.06 20 18 37 4381.2 33.29 206.76

DIFFERENTIAL CORRECTIONS

TDE-2.3104 TRA 2.1001 TC3-4.4819 BAU .8719
 RDE .1205 RRA .1869 RC3 -.3117 FAU .04893
 FDE-2.1818 FRA 2.2650 FC3-2.9183 BSP 18946
 BDE 2.3135 BRA 2.1084 BC3 4.4928 FSP -1573

MID-COURSE EXECUTION ACCURACY

SGT 5970.0 SGR 428.5 SG3 469.7
 RRT .4853 RRF .4622 RTF .9808
 SGB 5985.3 R23 -.0180 R13 .9808
 SG1 5973.6 SG2 374.4 THA 2.00

ORBIT DETERMINATION ACCURACY

ST 3626.8 SR 203.4 SS 1680.5
 CRT -.7232 CRS .6966 CST -.9992
 LSA 3999.5 MSA 152.7 SSA 16.9
 EL1 3629.8 EL2 140.4 ALF 177.67

LAUNCH DATE MAY 26 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 547.792

RL 151.54 LAL .00 LOL 244.08 VL 26.644 GAL 5.47 AZL 93.09 HCA 252.54 SMA 127.41 ECC .21132 INC 3.0890 V1 29.401
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.788 GAP 8.27 AZP 89.07 TAL 158.64 TAP 51.18 RCA 100.48 APO 154.33 V2 35.258
 RC 134.624 GL -21.26 GP -4.86 ZAL 55.49 ZAP 157.97 ETS 348.34 ZAE 127.32 ETE 184.11 ZAC 107.89 ETC 13.88 CLP-158.49

PLANETOCENTRIC CONIC

C3 15.530 VHL 3.941 DLA -24.00 RAL 181.66 RAD 6567.6 VEL 11.701 PTH 2.06 VHP 5.840 DPA 7.11 RAP 159.26 ECC 1.2556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 58 27 1288.29 8.49 347.98 41.31 117.11 11 19 56 688.3 12.06 341.12
 90.00 15 31 48 5667.09 27.85 267.06 47.21 95.32 17 6 15 5067.1 28.30 258.42
 100.00 12 0 0 1089.60 6.83 332.49 40.41 119.17 12 18 10 489.6 10.67 325.80
 100.00 17 12 56 5341.01 29.73 243.23 47.37 93.22 18 41 57 4741.0 29.86 234.43
 110.00 12 29 8 998.23 3.08 323.25 38.10 124.06 12 45 47 398.2 7.53 316.99
 110.00 19 0 17 5005.15 34.14 217.78 47.43 88.17 20 23 43 4405.1 33.51 208.60

DIFFERENTIAL CORRECTIONS

TDE-2.4075 TRA 2.2832 TC3-4.2508 BAU .8844
 RDE .1425 RRA .1859 RC3 -.2795 FAU .04452
 FDE-2.0883 FRA 2.2450 FC3-2.4819 BSP 19268
 BDE 2.4117 BRA 2.2908 BC3 4.2600 FSP -1476

MID-COURSE EXECUTION ACCURACY

SGT 6056.6 SGR 423.0 SG3 439.0
 RRT .4247 RRF .3997 RTF .9803
 SGB 6071.3 R23 -.0202 R13 .9803
 SG1 6059.3 SG2 382.8 THA 1.71

ORBIT DETERMINATION ACCURACY

ST 3667.5 SR 225.4 SS 1625.0
 CRT -.7590 CRS .7347 CST -.9993
 LSA 4014.6 MSA 157.5 SSA 16.6
 EL1 3671.5 EL2 146.6 ALF 177.32

LAUNCH DATE MAY 26 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 553.649

RL 151.54 LAL .00 LOL 244.08 VL 26.616 GAL 5.86 AZL 93.13 HCA 255.79 SMA 127.23 ECC .21575 INC 3.1333 V1 29.401
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.767 GAP 8.73 AZP 89.23 TAL 157.63 TAP 53.42 RCA 99.78 APO 154.68 V2 35.256
 RC 136.791 GL -20.77 GP -4.59 ZAL 53.86 ZAP 159.52 ETS 347.97 ZAE 126.76 ETE 183.89 ZAC 106.16 ETC 13.88 CLP-160.02

PLANETOCENTRIC CONIC

C3 16.662 VHL 4.082 DLA -24.21 RAL 183.44 RAD 6567.7 VEL 11.749 PTH 2.07 VHP 6.078 DPA 6.74 RAP 160.97 ECC 1.2742
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 8 52 1292.63 8.36 348.23 44.19 117.15 11 30 25 692.6 11.94 341.38
 90.00 15 35 31 5694.77 27.66 269.06 50.26 96.31 17 10 26 5094.8 28.25 260.44
 100.00 12 9 51 1095.76 6.63 332.83 43.25 119.22 12 28 7 495.8 10.47 326.15
 100.00 17 17 13 5366.88 29.62 245.14 50.46 94.22 18 46 40 4766.9 29.89 236.35
 110.00 12 38 11 1006.95 2.75 323.70 40.85 124.09 12 54 57 407.0 7.20 317.45
 110.00 19 5 23 5028.45 34.18 219.60 50.62 89.24 20 29 12 4428.5 33.69 210.39

DIFFERENTIAL CORRECTIONS

TDE-2.5044 TRA 2.4780 TC3-4.0128 BAU .8956
 RDE .1647 RRA .1845 RC3 -.2497 FAU .04044
 FDE-2.0006 FRA 2.2278 FC3-2.1015 BSP 19567
 BDE 2.5098 BRA 2.4849 BC3 4.0206 FSP -1387

MID-COURSE EXECUTION ACCURACY

SGT 6134.7 SGR 419.1 SG3 410.6
 RRT .3649 RRF .3385 RTF .9799
 SGB 6149.0 R23 -.0220 R13 .9799
 SG1 6136.6 SG2 390.1 THA 1.43

ORBIT DETERMINATION ACCURACY

ST 3698.1 SR 246.5 SS 1570.8
 CRT -.7841 CRS .7614 CST -.9993
 LSA 4022.1 MSA 162.4 SSA 16.3
 EL1 3703.2 EL2 152.8 ALF 177.00

LAUNCH DATE MAY 26 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 559.467

RL 151.54 LAL .00 LOL 244.08 VL 26.589 GAL 6.27 AZL 93.18 HCA 259.04 SMA 127.05 ECC .22052 INC 3.1763 V1 29.401
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.745 GAP 9.20 AZP 89.40 TAL 156.60 TAP 55.64 RCA 99.03 APO 155.06 V2 35.254
 RC 138.949 GL -20.23 GP -4.35 ZAL 52.24 ZAP 161.00 ETS 347.53 ZAE 126.25 ETE 183.70 ZAC 104.38 ETC 13.87 CLP-161.49

PLANETOCENTRIC CONIC

C3 17.929 VHL 4.234 DLA -24.38 RAL 185.20 RAD 6567.7 VEL 11.803 PTH 2.09 VHP 6.327 DPA 6.30 RAP 162.72 ECC 1.2951
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 18 37 1300.17 8.12 348.66 47.09 117.22 11 40 18 700.2 11.71 341.82
 90.00 15 39 52 5721.12 27.45 270.96 53.35 97.24 17 15 13 5121.1 28.17 262.37
 100.00 12 19 8 1104.81 6.32 333.33 46.12 119.28 12 37 33 504.8 10.18 326.67
 100.00 17 22 2 5391.71 29.48 246.98 53.60 95.18 18 51 53 4791.7 29.89 238.19
 110.00 12 46 47 1018.09 2.32 324.28 43.64 124.11 13 3 45 418.1 6.78 318.04
 110.00 19 10 52 5051.19 34.18 221.38 53.87 90.30 20 35 3 4451.2 33.85 212.15

DIFFERENTIAL CORRECTIONS

TDE-2.5974 TRA 2.6898 TC3-3.7612 BAU .9031
 RDE .1874 RRA .1827 RC3 -.2218 FAU .03647
 FDE-1.9142 FRA 2.2178 FC3-1.7610 BSP 19752
 BDE 2.6041 BRA 2.6960 BC3 3.7677 FSP -1296

MID-COURSE EXECUTION ACCURACY

SGT 6202.2 SGR 416.3 SG3 384.4
 RRT .3066 RRF .2795 RTF .9793
 SGB 6216.1 R23 -.0231 R13 .9793
 SG1 6203.5 SG2 396.2 THA 1.18

ORBIT DETERMINATION ACCURACY

ST 3714.7 SR 266.5 SS 1515.8
 CRT -.8015 CRS .7799 CST -.9993
 LSA 4017.4 MSA 167.7 SSA 16.1
 EL1 3720.8 EL2 159.1 ALF 176.70

LAUNCH DATE MAY 26 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 565.240

RL 151.54 LAL .00 LOL 244.08 VL 26.560 GAL 6.70 AZL 93.22 HCA 262.28 SMA 126.87 ECC .22564 INC 3.2184 V1 29.401
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.723 GAP 9.68 AZP 89.57 TAL 155.57 TAP 57.85 RCA 98.24 APO 155.49 V2 35.251
 RC 141.095 GL -19.68 GP -4.13 ZAL 50.64 ZAP 162.43 ETS 347.01 ZAE 125.77 ETE 183.53 ZAC 102.55 ETC 13.84 CLP-162.90

PLANETOCENTRIC CONIC

C3 19.348 VHL 4.399 DLA -24.50 RAL 186.95 RAD 6567.8 VEL 11.863 PTH 2.10 VHP 6.587 DPA 5.81 RAP 164.50 ECC 1.3184
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 27 40 1310.93 7.79 349.27 50.02 117.31 11 49 31 710.9 11.39 342.44
 90.00 15 44 47 5746.15 27.22 272.76 56.49 98.11 17 20 34 5146.2 28.06 264.19
 100.00 12 27 49 1116.75 5.93 334.00 49.01 119.35 12 46 26 516.7 9.79 327.34
 100.00 17 27 20 5415.57 29.32 248.73 56.79 96.09 18 57 35 4815.6 29.86 239.97
 110.00 12 54 58 1031.63 1.80 324.99 46.45 124.14 13 12 9 431.6 6.27 318.75
 110.00 19 16 41 5073.45 34.16 223.12 57.16 91.32 20 41 14 4473.4 33.97 213.88

DIFFERENTIAL CORRECTIONS

TDE-2.6950 TRA 2.9107 TC3-3.5166 BAU .9111
 RDE .2105 RRA .1802 RC3 -.1963 FAU .03297
 FDE-1.8376 FRA 2.2063 FC3-1.4752 BSP 20013
 BDE 2.7032 BRA 2.9162 BC3 3.5221 FSP -1220

MID-COURSE EXECUTION ACCURACY

SGT 6265.3 SGR 414.1 SG3 360.3
 RRT .2491 RRF .2214 RTF .9790
 SGB 6279.0 R23 -.0242 R13 .9789
 SG1 6266.2 SG2 401.0 THA .95

ORBIT DETERMINATION ACCURACY

ST 3727.4 SR 284.9 SS 1465.4
 CRT -.8147 CRS .7944 CST -.9993
 LSA 4011.5 MSA 172.5 SSA 15.7
 EL1 3734.7 EL2 164.9 ALF 176.43

LAUNCH DATE MAY 26 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 570.965

RL 151.54 LAL .00 LOL 244.08 VL 26.532 GAL 7.16 AZL 93.26 HCA 265.53 SMA 126.69 ECC .23114 INC 3.2598 V1 29.401
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.699 GAP 10.18 AZP 89.75 TAL 154.53 TAP 60.06 RCA 97.40 APO 155.97 V2 35.247
 RC 143.232 GL -19.09 GP -3.93 ZAL 49.07 ZAP 163.80 ETS 346.39 ZAE 125.33 ETE 183.37 ZAC 100.68 ETC 13.81 CLP-164.27

PLANETOCENTRIC CONIC

C3 20.943 VHL 4.576 DLA -24.59 RAL 188.69 RAD 6567.9 VEL 11.930 PTH 2.12 VHP 6.860 DPA 5.28 RAP 166.32 ECC 1.3447
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 36 0 1324.89 7.35 350.07 52.96 117.42 11 58 5 724.9 10.97 343.26
 90.00 15 50 17 5769.93 26.98 274.46 59.66 98.93 17 26 27 5169.9 27.94 265.92
 100.00 12 35 53 1131.54 5.43 334.82 51.91 119.44 12 54 45 531.5 9.31 328.18
 100.00 17 33 4 5438.51 29.14 250.41 60.01 96.96 19 3 43 4838.5 29.80 241.67
 110.00 13 2 40 1047.53 1.20 325.82 49.28 124.16 13 20 8 447.5 5.67 319.59
 110.00 19 22 47 5095.28 34.11 224.82 60.48 92.33 20 47 42 4495.3 34.06 215.58

DIFFERENTIAL CORRECTIONS

TDE-2.7933 TRA 3.1456 TC3-3.2718 BAU .9173
 RDE .2340 RRA .1768 RC3 -.1726 FAU .02970
 FDE-1.7660 FRA 2.1982 FC3-1.2278 BSP 20252
 BDE 2.8031 BRA 3.1506 BC3 3.2764 FSP -1150

MID-COURSE EXECUTION ACCURACY

SGT 6321.0 SGR 412.4 SG3 338.1
 RRT .1929 RRF .1652 RTF .9786
 SGB 6334.5 R23 -.0249 R13 .9786
 SG1 6321.5 SG2 404.6 THA .72

ORBIT DETERMINATION ACCURACY

ST 3731.8 SR 302.0 SS 1416.3
 CRT -.8246 CRS .8053 CST -.9994
 LSA 3999.2 MSA 177.1 SSA 15.4
 EL1 3740.1 EL2 170.4 ALF 176.17

LAUNCH DATE MAY 26 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 576.636

RL 151.54 LAL .00 LOL 244.08 VL 26.504 GAL 7.65 AZL 93.30 HCA 268.77 SMA 126.50 ECC .23707 INC 3.3009 V1 29.401
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.675 GAP 10.70 AZP 89.93 TAL 153.49 TAP 62.26 RCA 96.51 APO 156.49 V2 35.243
 RC 145.356 GL -18.49 GP -3.75 ZAL 47.53 ZAP 165.12 ETS 345.65 ZAE 124.92 ETE 183.23 ZAC 98.78 ETC 13.78 CLP-165.59

PLANETOCENTRIC CONIC

C3 22.737 VHL 4.768 DLA -24.63 RAL 190.39 RAD 6567.9 VEL 12.005 PTH 2.14 VHP 7.147 DPA 4.70 RAP 168.16 ECC 1.3742
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 43 35 1342.02 6.81 351.04 55.90 117.55 12 5 57 742.0 10.45 344.25
 90.00 15 56 17 5792.51 26.73 276.06 62.87 99.70 17 32 50 5192.5 27.80 267.56
 100.00 12 43 20 1149.12 4.84 335.79 54.83 119.53 13 2 29 549.1 8.74 329.17
 100.00 17 39 14 5460.63 28.95 252.03 63.26 97.79 19 10 14 4860.6 29.73 243.31
 110.00 13 9 55 1065.74 .50 326.77 52.12 124.18 13 27 41 465.7 4.98 320.55
 110.00 19 29 8 5116.78 34.04 226.50 63.84 93.32 20 54 25 4516.8 34.13 217.25

DIFFERENTIAL CORRECTIONS

TDE-2.8922 TRA 3.3963 TC3-3.0273 BAU .9213
 RDE .2581 RRA .1725 RC3 -.1508 FAU .02663
 FDE-1.6989 FRA 2.1933 FC3-1.0140 BSP 20465
 BDE 2.9037 BRA 3.4007 BC3 3.0311 FSP -1084

MID-COURSE EXECUTION ACCURACY

SGT 6369.4 SGR 410.9 SG3 317.5
 RRT .1380 RRF .1106 RTF .9783
 SGB 6382.7 R23 -.0252 R13 .9783
 SG1 6369.7 SG2 406.9 THA .51

ORBIT DETERMINATION ACCURACY

ST 3728.2 SR 317.6 SS 1370.3
 CRT -.8321 CRS .8136 CST -.9994
 LSA 3980.5 MSA 181.7 SSA 15.1
 EL1 3737.5 EL2 175.7 ALF 175.94

LAUNCH DATE MAY 26 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 582.247

RL 151.54 LAL .00 LOL 244.08 VL 26.475 GAL 8.17 AZL 93.34 HCA 272.02 SMA 126.32 ECC .24346 INC 3.3418 V1 29.401
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.650 GAP 11.24 AZP 90.12 TAL 152.44 TAP 64.46 RCA 95.57 APO 157.07 V2 35.237
 RC 147.469 GL -17.88 GP -3.59 ZAL 46.01 ZAP 166.41 ETS 344.78 ZAE 124.54 ETE 183.10 ZAC 96.85 ETC 13.74 CLP-166.88

PLANETOCENTRIC CONIC

C3 24.759 VHL 4.976 DLA -24.65 RAL 192.06 RAD 6568.0 VEL 12.089 PTH 2.16 VHP 7.449 DPA 4.08 RAP 170.02 ECC 1.4075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 50 26 1362.22 6.18 352.18 58.85 117.69 12 13 9 762.2 9.84 345.41
 90.00 16 2 47 5813.99 26.48 277.58 66.11 100.42 17 39 41 5214.0 27.65 269.11
 100.00 12 50 9 1169.44 4.16 336.91 57.74 119.63 13 9 39 569.4 8.08 330.31
 100.00 17 45 45 5482.00 28.74 253.58 66.54 98.58 19 17 7 4882.0 29.63 244.89
 110.00 13 16 42 1086.20 -.28 327.84 54.98 124.18 13 34 48 486.2 4.20 321.63
 110.00 19 35 42 5138.01 33.95 228.15 67.22 94.29 21 1 20 4538.0 34.17 218.91

DIFFERENTIAL CORRECTIONS

TDE-2.9930 TRA 3.6628 TC3-2.7860 BAU .9232
 RDE .2827 RRA .1670 RC3 -.1309 FAU .02376
 FDE-1.6368 FRA 2.1909 FC3 -.8307 BSP 20654
 BDE 3.0064 BRA 3.6666 BC3 2.7890 FSP -1022

MID-COURSE EXECUTION ACCURACY

SGT 6410.7 SGR 409.5 SG3 298.5
 RRT .0842 RRF .0575 RTF .9781
 SGB 6423.8 R23 -.0252 R13 .9781
 SG1 6410.8 SG2 408.0 THA .31

ORBIT DETERMINATION ACCURACY

ST 3717.9 SR 331.7 SS 1326.2
 CRT -.8379 CRS .8202 CST -.9994
 LSA 3956.9 MSA 185.8 SSA 14.7
 EL1 3728.3 EL2 180.5 ALF 175.72

LAUNCH DATE MAY 26 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 587.791

RL 151.54 LAL .00 LOL 244.08 VL 26.446 GAL 8.73 AZL 93.38 HCA 275.26 SMA 126.14 ECC .25036 INC 3.3829 V1 29.401
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.624 GAP 11.81 AZP 90.31 TAL 151.40 TAP 66.66 RCA 94.56 APO 157.72 V2 35.231
 RC 149.570 GL -17.25 GP -3.45 ZAL 44.54 ZAP 167.66 ETS 343.73 ZAE 124.18 ETE 182.97 ZAC 94.89 ETC 13.71 CLP-168.14

PLANETOCENTRIC CONIC

C3 27.044 VHL 5.200 DLA -24.62 RAL 193.70 RAD 6568.1 VEL 12.183 PTH 2.19 VHP 7.769 DPA 3.43 RAP 171.90 ECC 1.4451
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 56 34 1385.40 5.44 353.49 61.79 117.83 12 19 39 785.4 9.12 346.74
 90.00 16 9 41 5834.47 26.22 279.03 69.37 101.10 17 46 56 5234.5 27.49 270.59
 100.00 12 56 21 1192.39 3.39 338.17 60.66 119.72 13 16 14 592.4 7.32 331.59
 100.00 17 52 35 5502.72 28.52 255.09 69.84 99.34 19 24 18 4902.7 29.52 246.42
 110.00 13 22 59 1108.85 -1.15 329.02 57.83 124.17 13 41 28 508.8 3.34 322.81
 110.00 19 42 26 5159.03 33.83 229.78 70.63 95.25 21 8 25 4559.0 34.18 220.55

DIFFERENTIAL CORRECTIONS

TDE-3.0921 TRA 3.9507 TC3-2.5437 BAU .9206
 RDE .3079 RRA .1603 RC3 -.1126 FAU .02094
 FDE-1.5764 FRA 2.1943 FC3 -.6702 BSP 20736
 BDE 3.1074 BRA 3.9539 BC3 2.5462 FSP -959

MID-COURSE EXECUTION ACCURACY

SGT 6444.5 SGR 408.1 SG3 281.0
 RRT .0320 RRF .0068 RTF .9779
 SGB 6457.4 R23 -.0247 R13 .9779
 SG1 6444.5 SG2 407.9 THA .12

ORBIT DETERMINATION ACCURACY

ST 3698.0 SR 344.2 SS 1283.0
 CRT -.8419 CRS .8247 CST -.9994
 LSA 3924.7 MSA 190.0 SSA 14.4
 EL1 3709.4 EL2 185.2 ALF 175.51

LAUNCH DATE MAY 26 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 593.258

RL 151.54 LAL .00 LOL 244.08 VL 26.417 GAL 9.33 AZL 93.42 HCA 278.50 SMA 125.95 ECC .25781 INC 3.4244 V1 29.401
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.597 GAP 12.41 AZP 90.51 TAL 150.36 TAP 68.87 RCA 93.48 APO 158.43 V2 35.225
 RC 151.657 GL -16.62 GP -3.32 ZAL 43.10 ZAP 168.88 ETS 342.45 ZAE 123.83 ETE 182.86 ZAC 92.92 ETC 13.69 CLP-169.38

PLANETOCENTRIC CONIC

C3 29.632 VHL 5.444 DLA -24.57 RAL 195.29 RAD 6568.2 VEL 12.288 PTH 2.21 VHP 8.107 DPA 2.74 RAP 173.79 ECC 1.4877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 1 59 1411.44 4.61 354.95 64.72 117.97 12 25 30 811.4 8.32 348.23
 90.00 16 16 58 5854.05 25.95 280.40 72.65 101.74 17 54 32 5254.1 27.31 271.99
 100.00 13 1 56 1217.88 2.53 339.58 63.57 119.80 13 22 14 617.9 6.47 333.01
 100.00 17 59 42 5522.85 28.29 256.54 73.15 100.07 19 31 44 4922.8 29.39 247.91
 110.00 13 28 49 1133.60 -2.10 330.31 60.68 124.13 13 47 42 533.6 2.40 324.11
 110.00 19 49 19 5179.89 33.68 231.39 74.05 96.19 21 15 39 4579.9 34.17 222.18

DIFFERENTIAL CORRECTIONS

TDE-3.1985 TRA 4.2528 TC3-2.3138 BAU .9174
 RDE .3337 RRA .1521 RC3 -.0961 FAU .01841
 FDE-1.5240 FRA 2.1979 FC3 -.5378 BSP 20899
 BDE 3.2158 BRA 4.2555 BC3 2.3158 FSP -906

MID-COURSE EXECUTION ACCURACY

SGT 6473.2 SGR 406.5 SG3 264.7
 RRT -.0200 RRF -.0437 RTF .9779
 SGB 6486.0 R23 .0241 R13 -.9779
 SG1 6473.3 SG2 406.5 THA 179.93

ORBIT DETERMINATION ACCURACY

ST 3676.9 SR 355.2 SS 1244.3
 CRT -.8455 CRS .8290 CST -.9995
 LSA 3893.1 MSA 193.3 SSA 14.0
 EL1 3689.1 EL2 189.0 ALF 175.32

LAUNCH DATE MAY 26 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 598.639

RL 151.54 LAL .00 LOL 244.08 VL 26.388 GAL 9.97 AZL 93.47 HCA 281.74 SMA 125.77 ECC .26589 INC 3.4667 V1 29.401
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.570 GAP 13.04 AZP 90.71 TAL 149.34 TAP 71.08 RCA 92.33 APO 159.21 V2 35.217
 RC 153.730 GL -15.98 GP -3.20 ZAL 41.71 ZAP 170.07 ETS 340.87 ZAE 123.49 ETE 182.74 ZAC 90.93 ETC 13.67 CLP-170.59

PLANETOCENTRIC CONIC

C3 32.573 VHL 5.707 DLA -24.48 RAL 196.83 RAD 6568.3 VEL 12.407 PTH 2.24 VHP 8.467 DPA 2.04 RAP 175.69 ECC 1.5361
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 42 1440.18 3.69 356.56 67.63 118.10 12 30 42 840.2 7.42 349.87
 90.00 16 24 33 5872.85 25.69 281.71 75.94 102.35 18 2 26 5272.9 27.13 273.34
 100.00 13 6 55 1245.78 1.58 341.11 66.46 119.85 13 27 41 645.8 5.54 334.56
 100.00 18 7 2 5542.48 28.05 257.95 76.48 100.78 19 39 24 4942.5 29.25 249.35
 110.00 13 34 9 1160.38 -3.12 331.71 63.53 124.06 13 53 29 560.4 1.37 325.50
 110.00 19 56 17 5200.64 33.52 232.99 77.49 97.13 21 22 58 4600.6 34.14 223.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.3082 TRA 4.5751 TC3-2.0909 BAU .9112 SGT 6495.9 SGR 404.8 SG3 249.6 ST 3650.7 SR 364.5 SS 1208.2
 RDE .3600 RRA .1422 RC3 -.0814 FAU .01602 RRT -.0711 RRF -.0930 RTF .9781 CRT -.8484 CRS .8324 CST -.9995
 FDE-1.4758 FRA 2.2048 FC3 -.4258 BSP 21041 SGB 6508.5 R23 .0233 R13 -.9781 LSA 3857.7 MSA 196.2 SSA 13.7
 BDE 3.3278 BRA 4.5773 BC3 2.0925 FSP -857 SG1 6495.9 SG2 403.8 THA 179.75 EL1 3663.8 EL2 192.3 ALF 175.14

LAUNCH DATE MAY 26 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 603.921

RL 151.54 LAL .00 LOL 244.08 VL 26.360 GAL 10.66 AZL 93.51 HCA 284.98 SMA 125.59 ECC .27466 INC 3.5098 V1 29.401
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.543 GAP 13.70 AZP 90.91 TAL 148.33 TAP 73.31 RCA 91.10 APO 160.09 V2 35.210
 RC 155.789 GL -15.34 GP -3.09 ZAL 40.37 ZAP 171.24 ETS 338.87 ZAE 123.15 ETE 182.64 ZAC 88.93 ETC 13.67 CLP-171.79

PLANETOCENTRIC CONIC

C3 35.922 VHL 5.994 DLA -24.37 RAL 198.32 RAD 6568.4 VEL 12.542 PTH 2.27 VHP 8.851 DPA 1.31 RAP 177.60 ECC 1.5912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 10 46 1471.45 2.69 358.31 70.53 118.20 12 35 17 871.5 6.44 351.64
 90.00 16 32 24 602.93 25.42 305.06 79.24 102.92 16 42 27 2.9 26.95 296.73
 100.00 13 11 19 1275.97 .56 342.76 69.35 119.89 13 32 35 676.0 4.53 336.23
 100.00 18 14 32 5561.68 27.80 259.32 79.82 101.46 19 47 14 4961.7 29.10 250.75
 110.00 13 39 1 1189.10 -4.21 333.21 66.38 123.95 13 58 50 589.1 .28 327.00
 110.00 20 3 20 5221.32 33.33 234.57 80.92 98.05 21 30 21 4621.3 34.09 225.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.4220 TRA 4.9196 TC3-1.8751 BAU .9011 SGT 6512.3 SGR 402.9 SG3 235.6 ST 3620.1 SR 372.2 SS 1174.9
 RDE .3870 RRA .1306 RC3 -.0682 FAU .01374 RRT -.1214 RRF -.1412 RTF .9783 CRT -.8507 CRS .8353 CST -.9995
 FDE-1.4318 FRA 2.2154 FC3 -.3311 BSP 21162 SGB 6524.7 R23 .0221 R13 -.9783 LSA 3818.9 MSA 198.4 SSA 13.3
 BDE 3.4438 BRA 4.9214 BC3 1.8764 FSP -810 SG1 6512.4 SG2 399.9 THA 179.57 EL1 3633.9 EL2 194.9 ALF 174.99

LAUNCH DATE MAY 26 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 609.088

RL 151.54 LAL .00 LOL 244.08 VL 26.331 GAL 11.40 AZL 93.55 HCA 288.22 SMA 125.41 ECC .28419 INC 3.5543 V1 29.401
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.515 GAP 14.41 AZP 91.11 TAL 147.34 TAP 75.56 RCA 89.77 APO 161.05 V2 35.201
 RC 157.834 GL -14.70 GP -2.99 ZAL 39.07 ZAP 172.38 ETS 336.27 ZAE 122.82 ETE 182.53 ZAC 86.92 ETC 13.67 CLP-172.98

PLANETOCENTRIC CONIC

C3 39.751 VHL 6.305 DLA -24.23 RAL 199.76 RAD 6568.5 VEL 12.693 PTH 2.31 VHP 9.263 DPA .56 RAP 179.50 ECC 1.6542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 14 10 1505.10 1.60 .19 73.40 118.28 12 39 15 905.1 5.37 353.54
 90.00 16 40 27 620.47 25.14 306.28 82.55 103.47 16 50 48 20.5 26.75 297.98
 100.00 13 15 8 1308.33 -.54 344.54 72.21 119.89 13 36 56 708.3 3.44 338.01
 100.00 18 22 11 5580.52 27.54 260.66 83.15 102.12 19 55 12 4980.5 28.93 252.13
 110.00 13 43 24 1219.66 -5.37 334.82 69.21 123.81 14 3 44 619.7 -1.89 328.60
 110.00 20 10 24 5241.95 33.13 236.15 84.36 98.96 21 37 46 4641.9 34.01 227.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.5370 TRA 5.2919 TC3-1.6640 BAU .8848 SGT 6522.6 SGR 400.7 SG3 222.6 ST 3583.1 SR 378.3 SS 1143.3
 RDE .4145 RRA .1170 RC3 -.0567 FAU .01147 RRT -.1706 RRF -.1879 RTF .9786 CRT -.8523 CRS .8372 CST -.9995
 FDE-1.3899 FRA 2.2316 FC3 -.2498 BSP 21165 SGB 6534.9 R23 .0206 R13 -.9786 LSA 3774.7 MSA 200.4 SSA 12.9
 BDE 3.5612 BRA 5.2932 BC3 1.6650 FSP -762 SG1 6522.9 SG2 394.8 THA 179.40 EL1 3597.6 EL2 197.1 ALF 174.84

LAUNCH DATE MAY 26 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 614.121

RL 151.54 LAL .00 LOL 244.08 VL 26.303 GAL 12.20 AZL 93.60 HCA 291.46 SMA 125.23 ECC .29458 INC 3.6005 V1 29.401
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.486 GAP 15.17 AZP 91.32 TAL 146.38 TAP 77.83 RCA 88.34 APO 162.13 V2 35.192
 RC 159.863 GL -14.06 GP -2.90 ZAL 37.83 ZAP 173.49 ETS 332.77 ZAE 122.49 ETE 182.43 ZAC 84.91 ETC 13.69 CLP-174.17

PLANETOCENTRIC CONIC

C3 44.143 VHL 6.644 DLA -24.06 RAL 201.14 RAD 6568.7 VEL 12.865 PTH 2.34 VHP 9.706 DPA -.20 RAP 181.41 ECC 1.7265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 16 58 1540.94 .45 2.19 76.25 118.31 12 42 38 940.9 4.23 355.55
 90.00 16 48 39 637.49 24.87 307.45 85.84 104.00 16 59 16 37.5 26.55 299.18
 100.00 13 18 22 1342.70 -1.71 346.43 75.06 119.85 13 40 45 742.7 2.28 339.90
 100.00 18 29 55 5599.00 27.27 261.96 86.48 102.75 20 3 14 4999.0 28.75 253.47
 110.00 13 47 18 1251.96 -6.59 336.52 72.03 123.62 14 8 10 652.0 -2.13 330.28
 110.00 20 17 29 5262.51 32.90 237.71 87.78 99.86 21 45 11 4662.5 33.91 228.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.6635 TRA 5.6855 TC3-1.4673 BAU .8664 SGT 6527.8 SGR 398.4 SG3 210.6 ST 3546.7 SR 382.8 SS 1116.3
 RDE .4427 RRA .1012 RC3 -.0467 FAU .00941 RRT -.2199 RRF -.2347 RTF .9792 CRT -.8542 CRS .8395 CST -.9996
 FDE-1.3551 FRA 2.2497 FC3 -.1845 BSP 21268 SGB 6539.9 R23 .0190 R13 -.9792 LSA 3732.4 MSA 201.2 SSA 12.6
 BDE 3.6901 BRA 5.6864 BC3 1.4680 FSP -722 SG1 6528.4 SG2 388.6 THA 179.23 EL1 3561.8 EL2 198.2 ALF 174.72

LAUNCH DATE MAY 27 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 5 1967

HELIOCENTRIC CONIC

DISTANCE 144.127

RL 151.57 LAL .00 LOL 245.04 VL 19.330 GAL 10.49 AZL 92.80 HCA 51.44 SMA 96.34 ECC .59235 INC 2.7959 V1 29.396
 RP 108.92 LAP -2.19 LOP 296.45 VP 32.548 GAP -35.65 AZP 91.74 TAL 172.59 TAP 224.03 RCA 39.27 APO 153.41 V2 34.792
 RC 55.270 GL -4.86 GP 1.09 ZAL 72.89 ZAP 23.70 ETS 183.98 ZAE 155.00 ETE 160.53 ZAC 123.66 ETC 19.44 CLP 23.68

PLANETOCENTRIC CONIC

C3 119.567 VHL 10.935 DLA -1.38 RAL 170.93 RAD 6570.2 VEL 15.521 PTH 2.77 VHP 20.781 DPA 18.70 RAP 143.90 ECC 2.9678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 35 2599.13 -26.66 67.34 62.24 99.90 7 22 55 1999.1 -25.03 59.06
 90.00 18 17 10 5328.68 27.52 242.41 63.58 83.05 19 45 59 4728.7 26.27 233.96
 100.00 8 0 18 2338.81 -28.16 47.90 61.94 100.48 8 39 16 1738.8 -26.42 39.53
 100.00 19 39 10 5064.23 29.02 222.75 63.37 82.51 21 3 34 4464.2 27.68 214.20
 110.00 9 7 4 2129.80 -32.21 31.10 61.00 102.13 9 42 34 1529.8 -30.20 22.46
 110.00 20 48 53 4846.02 33.11 205.49 62.67 80.97 22 9 39 4246.0 31.51 196.63

DIFFERENTIAL CORRECTIONS

TDE .5677 TRA-1.3722 TC3 -.0948 BAU .1592
 RDE -.7525 RRA -.3874 RC3 .0305 FAU .01477
 FDE -.3210 FRA .5435 FC3 -.1069 BSP 2102
 BDE .9426 BRA 1.4259 BC3 .0996 FSP -73

MID-COURSE EXECUTION ACCURACY

SGT 805.5 SGR 448.5 SG3 35.0
 RRT .0413 RRF -.0390 RTF -.6326
 SGB 921.9 R23 -.0012 R13 -.6327
 SG1 805.8 SG2 447.9 THA 1.91

ORBIT DETERMINATION ACCURACY

ST 367.5 SR 399.0 SS 339.0
 CRT -.7103 CRS -.8112 CST .9862
 LSA 601.0 MSA 218.6 SSA 13.9
 EL1 502.0 EL2 205.6 ALF 131.70

LAUNCH DATE MAY 27 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 150.285

RL 151.57 LAL .00 LOL 245.04 VL 19.929 GAL 10.07 AZL 92.85 HCA 54.61 SMA 98.01 ECC .56571 INC 2.8537 V1 29.396
 RP 108.93 LAP -2.33 LOP 299.61 VP 32.903 GAP -33.93 AZP 91.65 TAL 172.06 TAP 226.67 RCA 42.57 APO 153.46 V2 34.789
 RC 53.566 GL -5.42 GP 1.13 ZAL 72.08 ZAP 22.16 ETS 184.18 ZAE 156.16 ETE 158.21 ZAC 122.11 ETC 19.02 CLP 22.14

PLANETOCENTRIC CONIC

C3 107.060 VHL 10.347 DLA -2.21 RAL 171.47 RAD 6570.1 VEL 15.113 PTH 2.72 VHP 19.880 DPA 18.25 RAP 145.53 ECC 2.7619
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 55 2550.74 -26.05 63.93 60.71 101.51 7 30 26 1950.7 -24.20 55.75
 90.00 18 13 8 5331.96 27.55 242.64 62.82 83.16 19 42 0 4732.0 26.31 234.19
 100.00 8 8 14 2291.67 -27.53 44.54 60.37 102.14 8 46 25 1691.7 -25.58 36.28
 100.00 19 35 30 5066.26 29.04 222.89 62.61 82.59 20 59 57 4466.3 27.71 214.34
 110.00 9 14 6 2085.44 -31.52 27.82 59.30 103.96 9 48 52 1485.4 -29.28 19.33
 110.00 20 46 7 4845.25 33.10 205.43 61.92 80.94 22 6 52 4245.3 31.50 196.57

DIFFERENTIAL CORRECTIONS

TDE .5676 TRA-1.3636 TC3 -.0962 BAU .1466
 RDE -.7170 RRA -.3710 RC3 .0351 FAU .01511
 FDE -.3370 FRA .5604 FC3 -.1222 BSP 2252
 BDE .9144 BRA 1.4132 BC3 .1024 FSP -81

MID-COURSE EXECUTION ACCURACY

SGT 842.3 SGR 452.9 SG3 38.2
 RRT .0423 RRF -.0406 RTF -.6528
 SGB 956.4 R23 -.0018 R13 -.6529
 SG1 842.6 SG2 452.4 THA 1.83

ORBIT DETERMINATION ACCURACY

ST 387.6 SR 401.8 SS 358.5
 CRT -.7116 CRS -.8148 CST .9856
 LSA 624.7 MSA 223.0 SSA 14.2
 EL1 516.5 EL2 211.8 ALF 133.55

LAUNCH DATE MAY 27 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 156.512

RL 151.57 LAL .00 LOL 245.04 VL 20.486 GAL 9.65 AZL 92.91 HCA 57.77 SMA 99.67 ECC .54000 INC 2.9071 V1 29.396
 RP 108.94 LAP -2.46 LOP 302.77 VP 33.241 GAP -32.29 AZP 91.55 TAL 171.57 TAP 229.34 RCA 45.85 APO 153.49 V2 34.786
 RC 51.953 GL -6.00 GP 1.17 ZAL 71.36 ZAP 20.63 ETS 184.43 ZAE 157.41 ETE 155.47 ZAC 120.54 ETC 18.63 CLP 20.60

PLANETOCENTRIC CONIC

C3 95.927 VHL 9.794 DLA -3.05 RAL 171.92 RAD 6569.9 VEL 14.740 PTH 2.67 VHP 19.013 DPA 17.78 RAP 147.18 ECC 2.5787
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 55 55 2501.53 -25.34 60.51 59.09 103.08 7 37 36 1901.5 -23.29 52.44
 90.00 18 8 44 5334.46 27.57 242.82 61.91 83.25 19 37 39 4734.5 26.34 234.37
 100.00 8 15 50 2243.72 -26.80 41.16 58.70 103.77 8 53 14 1643.7 -24.64 33.03
 100.00 19 31 30 5067.50 29.05 222.98 61.70 82.63 20 55 58 4467.5 27.73 214.43
 110.00 9 20 49 2040.29 -30.74 24.54 57.51 105.75 9 54 49 1440.3 -28.27 16.21
 110.00 20 43 0 4843.70 33.08 205.31 61.02 80.87 22 3 44 4243.7 31.47 196.46

DIFFERENTIAL CORRECTIONS

TDE .5681 TRA-1.3539 TC3 -.0962 BAU .1338
 RDE -.6821 RRA -.3545 RC3 .0403 FAU .01550
 FDE -.3538 FRA .5772 FC3 -.1399 BSP 2413
 BDE .8876 BRA 1.3995 BC3 .1043 FSP -91

MID-COURSE EXECUTION ACCURACY

SGT 880.4 SGR 456.7 SG3 41.6
 RRT .0429 RRF -.0421 RTF -.6724
 SGB 991.8 R23 -.0026 R13 -.6726
 SG1 880.7 SG2 456.1 THA 1.74

ORBIT DETERMINATION ACCURACY

ST 408.8 SR 403.8 SS 378.9
 CRT -.7135 CRS -.8186 CST .9851
 LSA 649.7 MSA 226.8 SSA 14.4
 EL1 531.9 EL2 217.5 ALF 135.49

LAUNCH DATE MAY 27 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 162.805

RL 151.57 LAL .00 LOL 245.04 VL 21.004 GAL 9.22 AZL 92.96 HCA 60.93 SMA 101.30 ECC .51527 INC 2.9568 V1 29.396
 RP 108.94 LAP -2.58 LOP 305.94 VP 33.562 GAP -30.74 AZP 91.44 TAL 171.11 TAP 232.03 RCA 49.11 APO 153.50 V2 34.785
 RC 50.440 GL -6.62 GP 1.21 ZAL 70.72 ZAP 19.12 ETS 184.74 ZAE 158.76 ETE 152.21 ZAC 118.96 ETC 18.25 CLP 19.08

PLANETOCENTRIC CONIC

C3 86.011 VHL 9.274 DLA -3.88 RAL 172.28 RAD 6569.7 VEL 14.400 PTH 2.62 VHP 18.180 DPA 17.31 RAP 148.82 ECC 2.4155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 3 35 2451.54 -24.52 57.07 57.37 104.62 7 44 27 1851.5 -22.28 49.12
 90.00 18 3 59 5336.31 27.58 242.96 60.86 83.32 19 32 55 4736.3 26.37 234.50
 100.00 8 23 7 2194.99 -25.96 37.78 56.94 105.36 8 59 42 1595.0 -23.60 29.78
 100.00 19 27 8 5068.09 29.06 223.03 60.65 82.65 20 51 36 4468.1 27.74 214.47
 110.00 9 27 12 1994.38 -29.84 21.26 55.65 107.50 10 0 26 1394.4 -27.16 13.10
 110.00 20 39 33 4841.47 33.06 205.14 59.97 80.77 22 0 14 4241.5 31.43 196.29

DIFFERENTIAL CORRECTIONS

TDE .5661 TRA-1.3459 TC3 -.0959 BAU .1223
 RDE -.6479 RRA -.3381 RC3 .0460 FAU .01591
 FDE -.3712 FRA .5943 FC3 -.1602 BSP 2516
 BDE .8603 BRA 1.3877 BC3 .1064 FSP -100

MID-COURSE EXECUTION ACCURACY

SGT 921.1 SGR 459.7 SG3 45.4
 RRT .0456 RRF -.0440 RTF -.6900
 SGB 1029.5 R23 -.0022 R13 -.6901
 SG1 921.5 SG2 459.1 THA 1.74

ORBIT DETERMINATION ACCURACY

ST 429.9 SR 405.2 SS 400.0
 CRT -.7135 CRS -.8221 CST .9841
 LSA 675.0 MSA 230.6 SSA 14.6
 EL1 547.0 EL2 223.1 ALF 137.38

LAUNCH DATE MAY 27 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 169.158

RL 151.57 LAL .00 LOL 245.04 VL 21.487 GAL 8.79 AZL 93.00 HCA 64.09 SMA 102.92 ECC .49152 INC 3.0036 V1 29.396
 RP 108.94 LAP -2.70 LOP 309.10 VP 33.865 GAP -29.27 AZP 91.31 TAL 170.68 TAP 234.77 RCA 52.33 APO 153.50 V2 34.784
 RC 49.035 GL -7.28 GP 1.26 ZAL 70.16 ZAP 17.61 ETS 185.13 ZAE 160.17 ETE 148.28 ZAC 117.37 ETC 17.90 CLP 17.57

PLANETOCENTRIC CONIC

C3 77.175 VHL 8.785 DLA -4.71 RAL 172.56 RAD 6569.5 VEL 14.090 PTH 2.57 VHP 17.378 DPA 16.82 RAP 150.47 ECC 2.2701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 57 2400.82 -23.61 53.63 55.56 106.11 7 50 58 1800.8 -21.17 45.81
 90.00 17 58 49 5337.66 27.59 243.06 59.67 83.36 19 27 47 4737.7 26.38 234.60
 100.00 8 30 5 2145.56 -25.03 34.40 55.10 106.91 9 5 50 1545.6 -22.47 26.54
 100.00 19 22 23 5068.15 29.06 223.03 59.46 82.66 20 46 51 4468.2 27.74 214.48
 110.00 9 33 15 1947.79 -28.84 18.00 53.71 109.20 10 5 43 1347.8 -25.95 10.01
 110.00 20 35 42 4838.68 33.03 204.93 58.78 80.65 21 56 20 4238.7 31.39 196.09

DIFFERENTIAL CORRECTIONS

TDE .5669 TRA-1.3344 TC3 -.0927 BAU .1100
 RDE -.6144 RRA -.3218 RC3 .0525 FAU .01638
 FDE -.3899 FRA .6111 FC3 -.1838 BSP 2678
 BDE .8360 BRA 1.3727 BC3 .1066 FSP -111

MID-COURSE EXECUTION ACCURACY

SGT 962.2 SGR 462.0 SG3 49.5
 RRT .0466 RRF -.0457 RTF -.7080
 SGB 1067.4 R23 -.0029 R13 -.7081
 SG1 962.5 SG2 461.3 THA 1.66

ORBIT DETERMINATION ACCURACY

ST 453.2 SR 405.7 SS 422.4
 CRT -.7160 CRS -.8262 CST .9836
 LSA 702.7 MSA 233.3 SSA 14.8
 EL1 564.1 EL2 227.5 ALF 139.41

LAUNCH DATE MAY 27 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 175.566

RL 151.57 LAL .00 LOL 245.04 VL 21.936 GAL 8.36 AZL 93.05 HCA 67.25 SMA 104.50 ECC .46879 INC 3.0480 V1 29.396
 RP 108.94 LAP -2.81 LOP 312.26 VP 34.152 GAP -27.86 AZP 91.18 TAL 170.29 TAP 237.54 RCA 55.51 APO 153.48 V2 34.784
 RC 47.750 GL -7.97 GP 1.32 ZAL 69.70 ZAP 16.11 ETS 185.62 ZAE 161.61 ETE 143.50 ZAC 115.77 ETC 17.55 CLP 16.06

PLANETOCENTRIC CONIC

C3 69.300 VHL 8.325 DLA -5.54 RAL 172.75 RAD 6569.3 VEL 13.808 PTH 2.52 VHP 16.606 DPA 16.32 RAP 152.11 ECC 2.1405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 0 2349.43 -22.60 50.21 53.69 107.53 7 57 9 1749.4 -19.99 42.51
 90.00 17 53 15 5338.66 27.60 243.13 58.35 83.40 19 22 13 4738.7 26.40 234.67
 100.00 8 36 43 2095.48 -23.99 31.04 53.20 108.39 9 11 39 1495.5 -21.26 23.31
 100.00 19 17 12 5067.85 29.06 223.01 58.14 82.65 20 41 40 4467.8 27.73 214.46
 110.00 9 38 58 1900.60 -27.74 14.77 51.71 110.82 10 10 39 1300.6 -24.66 6.96
 110.00 20 31 27 4835.49 32.99 204.69 57.46 80.51 21 52 3 4235.5 31.33 195.86

DIFFERENTIAL CORRECTIONS

TDE .5683 TRA-1.3216 TC3 -.0872 BAU .0979
 RDE -.5816 RRA -.3056 RC3 .0597 FAU .01690
 FDE -.4099 FRA .6278 FC3 -.2112 BSP 2849
 BDE .8132 BRA 1.3565 BC3 .1057 FSP -124

MID-COURSE EXECUTION ACCURACY

SGT 1004.6 SGR 463.5 SG3 54.1
 RRT .0475 RRF -.0474 RTF -.7253
 SGB 1106.4 R23 -.0037 R13 -.7254
 SG1 1004.9 SG2 462.8 THA 1.59

ORBIT DETERMINATION ACCURACY

ST 477.7 SR 405.3 SS 446.1
 CRT -.7190 CRS -.8305 CST .9831
 LSA 732.1 MSA 235.2 SSA 15.0
 EL1 582.3 EL2 231.1 ALF 141.46

LAUNCH DATE MAY 27 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 182.024

RL 151.57 LAL .00 LOL 245.04 VL 22.354 GAL 7.94 AZL 93.09 HCA 70.41 SMA 106.04 ECC .44707 INC 3.0904 V1 29.396
 RP 108.94 LAP -2.91 LOP 315.42 VP 34.423 GAP -26.51 AZP 91.04 TAL 169.94 TAP 240.35 RCA 58.63 APO 153.45 V2 34.785
 RC 46.594 GL -8.70 GP 1.38 ZAL 69.32 ZAP 14.62 ETS 186.25 ZAE 163.03 ETE 137.63 ZAC 114.17 ETC 17.23 CLP 14.55

PLANETOCENTRIC CONIC

C3 62.282 VHL 7.892 DLA -6.38 RAL 172.84 RAD 6569.2 VEL 13.551 PTH 2.48 VHP 15.862 DPA 15.82 RAP 153.75 ECC 2.0250
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 45 2297.46 -21.49 46.80 51.76 108.90 8 3 2 1697.5 -18.71 39.23
 90.00 17 47 14 5339.49 27.61 243.19 56.90 83.43 19 16 13 4739.5 26.41 234.73
 100.00 8 43 3 2044.84 -22.86 27.70 51.24 109.80 9 17 8 1444.8 -19.96 20.11
 100.00 19 11 36 5067.34 29.05 222.97 56.70 82.63 20 36 4 4467.3 27.73 214.42
 110.00 9 44 21 1852.90 -26.55 11.58 49.67 112.37 10 15 14 1252.9 -23.28 3.94
 110.00 20 26 47 4832.04 32.96 204.43 56.02 80.36 21 47 20 4232.0 31.27 195.61

DIFFERENTIAL CORRECTIONS

TDE .5701 TRA-1.3075 TC3 -.0790 BAU .0866
 RDE -.5497 RRA -.2897 RC3 .0677 FAU .01748
 FDE -.4314 FRA .6446 FC3 -.2430 BSP 3021
 BDE .7919 BRA 1.3392 BC3 .1040 FSP -137

MID-COURSE EXECUTION ACCURACY

SGT 1048.4 SGR 464.2 SG3 59.0
 RRT .0486 RRF -.0493 RTF -.7420
 SGB 1146.6 R23 -.0045 R13 -.7421
 SG1 1048.7 SG2 463.5 THA 1.53

ORBIT DETERMINATION ACCURACY

ST 503.4 SR 404.1 SS 471.1
 CRT -.7225 CRS -.8349 CST .9827
 LSA 763.3 MSA 236.3 SSA 15.2
 EL1 601.7 EL2 233.7 ALF 143.52

LAUNCH DATE MAY 27 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 188.527

RL 151.57 LAL .00 LOL 245.04 VL 22.743 GAL 7.53 AZL 93.13 HCA 73.57 SMA 107.55 ECC .42637 INC 3.1311 V1 29.396
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.678 GAP -25.23 AZP 90.89 TAL 169.63 TAP 243.20 RCA 61.69 APO 153.41 V2 34.786
 RC 45.578 GL -9.47 GP 1.44 ZAL 69.04 ZAP 13.13 ETS 187.07 ZAE 164.36 ETE 130.42 ZAC 112.56 ETC 16.92 CLP 13.05

PLANETOCENTRIC CONIC

C3 5.030 VHL 7.485 DLA -7.22 RAL 172.83 RAD 6569.0 VEL 13.319 PTH 2.43 VHP 15.145 DPA 15.31 RAP 155.39 ECC 1.9221
 LNC AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 12 2244.99 -20.29 43.42 49.77 110.18 8 8 37 1645.0 -17.36 35.97
 90.00 17 40 45 5340.33 27.61 243.25 55.34 83.46 19 9 45 4740.3 26.42 234.78
 100.00 8 49 5 1993.73 -21.65 24.40 49.22 111.13 9 22 18 1393.7 -18.58 16.94
 100.00 19 5 33 5066.82 29.05 222.93 55.14 82.61 20 30 0 4466.8 27.72 214.38
 110.00 9 49 25 1804.80 -25.26 8.43 47.59 113.83 10 19 30 1204.8 -21.82 .96
 110.00 20 21 42 4828.52 32.91 204.16 54.46 80.21 21 42 10 4228.5 31.21 195.35

DIFFERENTIAL CORRECTIONS

TDE .5702 TRA-1.2944 TC3 -.0693 BAU .0773
 RDE -.5186 RRA -.2741 RC3 .0764 FAU .01811
 FDE -.4542 FRA .6618 FC3 -.2798 BSP 3147
 BDE .7707 BRA 1.3231 BC3 .1032 FSP -152

MID-COURSE EXECUTION ACCURACY

SGT 1094.8 SGR 464.1 SG3 64.5
 RRT .0513 RRF -.0517 RTF -.7566
 SGB 1189.1 R23 -.0044 R13 -.7567
 SG1 1095.1 SG2 463.3 THA 1.52

ORBIT DETERMINATION ACCURACY

ST 529.4 SR 402.0 SS 497.4
 CRT -.7248 CRS -.8392 CST .9819
 LSA 795.4 MSA 237.3 SSA 15.4
 EL1 621.4 EL2 235.9 ALF 145.52

LAUNCH DATE MAY 27 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 195.070

RL 151.57 LAL .00 LOL 245.04 VL 23.105 GAL 7.12 AZL 93.17 HCA 76.73 SMA 109.02 ECC .40669 INC 3.1706 V1 29.396
 RP 108.93 LAP -3.09 LOP 321.75 VP 34.918 GAP -24.00 AZP 90.73 TAL 169.37 TAP 246.10 RCA 64.68 APO 153.35 V2 34.788
 RC 44.711 GL -10.28 GP 1.51 ZAL 68.85 ZAP 11.64 ETS 188.15 ZAE 165.49 ETE 121.63 ZAC 110.95 ETC 16.63 CLP 11.54

PLANETOCENTRIC CONIC

C3 50.462 VHL 7.104 DLA -8.06 RAL 172.73 RAD 6568.9 VEL 13.108 PTH 2.39 VHP 14.454 DPA 14.79 RAP 157.02 ECC 1.8305
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 21 2192.12 -19.02 40.06 47.74 111.38 8 13 53 1592.1 -15.94 32.74
 90.00 17 33 47 5341.36 27.62 243.32 53.67 83.50 19 2 48 4741.4 26.43 234.86
 100.00 8 54 48 1942.27 -20.35 21.13 47.17 112.38 9 27 10 1342.3 -17.14 13.80
 100.00 18 59 1 5066.45 29.04 222.91 53.48 82.59 20 23 28 4466.5 27.71 214.36
 110.00 9 54 9 1756.40 -23.89 5.33 45.48 115.21 10 23 26 1156.4 -20.30 358.04
 110.00 20 16 9 4825.08 32.87 203.90 52.79 80.06 21 36 34 4225.1 31.15 195.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5728 TRA-1.2777 TC3 -.0546 BAU .0688 SGT 1141.4 SGR 463.2 SG3 70.5 ST 557.6 SR 398.9 SS 525.5
 RDE -.4883 RRA -.2588 RC3 .0861 FAU .01882 RRT .0529 RRF -.0540 RTF -.7716 CRT -.7292 CRS -.8440 CST .9815
 FDE -.4792 FRA .6788 FC3 -.3228 BSP 3322 SGB 1231.8 R23 -.0052 R13 -.7717 LSA 830.5 MSA 237.1 SSA 15.6
 BDE .7527 BRA 1.3036 BC3 .1019 FSP -168 SG1 1141.7 SG2 462.4 THA 1.47 EL1 643.5 EL2 236.5 ALF 147.54

LAUNCH DATE MAY 27 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 201.649

RL 151.57 LAL .00 LOL 245.04 VL 23.441 GAL 6.73 AZL .93.21 HCA 79.90 SMA 110.44 ECC .38800 INC 3.2090 V1 29.396
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.145 GAP -22.82 AZP 90.56 TAL 169.15 TAP 249.05 RCA 67.59 APO 153.28 V2 34.791
 RC 44.000 GL -11.14 GP 1.59 ZAL 68.75 ZAP 10.15 ETS 189.62 ZAE 166.31 ETE 111.24 ZAC 109.34 ETC 16.36 CLP 10.02

PLANETOCENTRIC CONIC

C3 45.506 VHL 6.746 DLA -8.91 RAL 172.53 RAD 6568.7 VEL 12.918 PTH 2.35 VHP 13.788 DPA 14.28 RAP 158.64 ECC 1.7489
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 12 2138.97 -17.66 36.75 45.67 112.50 8 18 51 1539.0 -14.46 29.54
 90.00 17 26 18 5342.79 27.63 243.43 51.91 83.55 18 55 21 4742.8 26.45 234.96
 100.00 9 0 12 1890.56 -18.97 17.90 45.09 113.54 9 31 43 1290.6 -15.63 10.70
 100.00 18 52 0 5066.43 29.04 222.91 51.71 82.59 20 16 26 4466.4 27.71 214.35
 110.00 9 58 34 1707.84 -22.45 2.30 43.35 116.48 10 27 1 1107.8 -18.71 355.16
 110.00 20 10 8 4821.91 32.84 203.66 51.03 79.92 21 30 30 4221.9 31.10 194.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5762 TRA-1.2594 TC3 -.0359 BAU .0627 SGT 1189.2 SGR 461.4 SG3 77.1 ST 587.4 SR 394.9 SS 555.6
 RDE -.4589 RRA -.2439 RC3 .0966 FAU .01961 RRT .0545 RRF -.0566 RTF -.7858 CRT -.7345 CRS -.8490 CST .9813
 FDE -.5065 FRA .6957 FC3 -.3730 BSP 3504 SGB 1275.6 R23 -.0062 R13 -.7859 LSA 868.2 MSA 236.0 SSA 15.8
 BDE .7367 BRA 1.2828 BC3 .1031 FSP -187 SG1 1189.5 SG2 460.6 THA 1.43 EL1 667.3 EL2 235.9 ALF 149.52

LAUNCH DATE MAY 27 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 208.259

RL 151.57 LAL .00 LOL 245.04 VL 23.754 GAL 6.34 AZL 93.25 HCA 83.06 SMA 111.81 ECC .37030 INC 3.2467 V1 29.396
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.357 GAP -21.69 AZP 90.39 TAL 168.98 TAP 252.04 RCA 70.40 APO 153.21 V2 34.795
 RC 43.455 GL -12.04 GP 1.68 ZAL 68.76 ZAP 8.66 ETS 191.69 ZAE 166.69 ETE 99.60 ZAC 107.74 ETC 16.09 CLP 8.50

PLANETOCENTRIC CONIC

C3 41.098 VHL 6.411 DLA -9.76 RAL 172.23 RAD 6568.6 VEL 12.746 PTH 2.32 VHP 13.146 DPA 13.76 RAP 160.24 ECC 1.6764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 47 2085.64 -16.25 33.48 43.58 113.52 8 23 33 1485.6 -12.93 26.37
 90.00 17 18 18 5344.80 27.65 243.57 50.05 83.62 18 47 23 4744.8 26.47 235.10
 100.00 9 5 20 1838.73 -17.53 14.72 42.98 114.60 9 35 58 1238.7 -14.07 7.65
 100.00 18 44 27 5066.95 29.05 222.94 49.86 82.61 20 8 54 4467.0 27.72 214.39
 110.00 10 2 38 1659.25 -20.95 359.33 41.20 117.65 10 30 18 1059.3 -17.08 352.34
 110.00 20 3 38 4819.19 32.80 203.45 49.19 79.80 21 23 57 4219.2 31.05 194.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5803 TRA-1.2397 TC3 -.0124 BAU .0598 SGT 1238.3 SGR 458.8 SG3 84.4 ST 618.7 SR 389.8 SS 587.7
 RDE -.4305 RRA -.2294 RC3 .1081 FAU .02048 RRT .0566 RRF -.0597 RTF -.7994 CRT -.7402 CRS -.8542 CST .9811
 FDE -.5364 FRA .7129 FC3 -.4315 BSP 3683 SGB 1320.5 R23 -.0072 R13 -.7994 LSA 908.3 MSA 234.1 SSA 16.0
 BDE .7226 BRA 1.2608 BC3 .1088 FSP -208 SG1 1238.6 SG2 458.0 THA 1.39 EL1 692.8 EL2 234.1 ALF 151.44

LAUNCH DATE MAY 27 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 214.896

RL 151.57 LAL .00 LOL 245.04 VL 24.044 GAL 5.97 AZL 93.28 HCA 86.22 SMA 113.13 ECC .35358 INC 3.2838 V1 29.396
 RP 108.90 LAP -3.28 LOP 331.26 VP 35.557 GAP -20.60 AZP 90.22 TAL 168.86 TAP 255.08 RCA 73.13 APO 153.13 V2 34.799
 RC 43.079 GL -12.98 GP 1.78 ZAL 68.86 ZAP 7.18 ETS 194.75 ZAE 166.54 ETE 87.52 ZAC 106.15 ETC 15.85 CLP 6.96

PLANETOCENTRIC CONIC

C3 37.182 VHL 6.098 DLA -10.62 RAL 171.82 RAD 6568.4 VEL 12.592 PTH 2.28 VHP 12.527 DPA 13.25 RAP 161.83 ECC 1.6119
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 6 2032.25 -14.77 30.26 41.46 114.44 8 27 58 1432.2 -11.35 23.25
 90.00 17 9 45 5347.60 27.67 243.77 48.12 83.72 18 38 52 4747.6 26.51 235.30
 100.00 9 10 9 1786.89 -16.04 11.60 40.85 115.57 9 39 56 1186.9 -12.46 4.63
 100.00 18 36 23 5068.19 29.06 223.03 47.94 82.66 20 0 51 4468.2 27.74 214.48
 110.00 10 6 24 1610.78 -19.39 356.44 39.05 118.72 10 33 14 1010.8 -15.41 349.58
 110.00 19 56 38 4817.07 32.78 203.29 47.26 79.71 21 16 55 4217.1 31.01 194.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5852 TRA-1.2185 TC3 .0164 BAU .0604 SGT 1288.3 SGR 455.4 SG3 92.4 ST 651.5 SR 383.7 SS 622.0
 RDE -.4029 RRA -.2155 RC3 .1205 FAU .02146 RRT .0592 RRF -.0633 RTF -.8122 CRT -.7465 CRS -.8594 CST .9810
 FDE -.5693 FRA .7302 FC3 -.4997 BSP 3869 SGB 1366.4 R23 -.0084 R13 -.8123 LSA 951.2 MSA 231.5 SSA 16.2
 BDE .7105 BRA 1.2374 BC3 .1216 FSP -231 SG1 1288.6 SG2 454.5 THA 1.37 EL1 719.9 EL2 231.0 ALF 153.31

LAUNCH DATE MAY 27 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 221.555

RL 151.57 LAL .00 LOL 245.04 VL 24.313 GAL 5.61 AZL 93.32 HCA 89.39 SMA 114.40 ECC .33780 INC 3.3208 V1 29.396
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.744 GAP -19.56 AZP 90.04 TAL 168.79 TAP 258.17 RCA 75.75 APO 153.04 V2 34.804
 RC 42.876 GL -13.97 GP 1.89 ZAL 69.06 ZAP 5.73 ETS 199.56 ZAE 165.87 ETE 76.02 ZAC 104.57 ETC 15.61 CLP 5.41

PLANETOCENTRIC CONIC

C3 33.707 VHL 5.806 DLA -11.47 RAL 171.31 RAD 6568.3 VEL 12.453 PTH 2.25 VHP 11.930 DPA 12.75 RAP 163.40 ECC 1.5547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 9 1978.92 -13.24 27.08 39.33 115.26 8 32 8 1378.9 -9.73 20.16
 90.00 17 0 38 5351.36 27.70 244.04 46.12 83.85 18 29 49 4751.4 26.55 235.56
 100.00 9 14 42 1735.19 -14.49 8.54 38.71 116.43 9 43 37 1135.2 -10.83 1.67
 100.00 18 27 46 5070.33 29.08 223.19 45.94 82.74 19 52 16 4470.3 27.77 214.63
 110.00 10 9 50 1562.54 -17.79 353.61 36.88 119.68 10 35 52 962.5 -13.70 346.88
 110.00 19 49 7 4815.74 32.76 203.19 45.28 79.65 21 9 23 4215.7 30.99 194.42

DIFFERENTIAL CORRECTIONS

TDE .5911 TRA-1.1952 TC3 .0509 BAU .0645
 RDE -.3763 RRA -.2022 RC3 .1338 FAU .02255
 FDE -.6058 FRA .7475 FC3 -.5791 BSP 4058
 BDE .7007 BRA 1.2122 BC3 .1432 FSP -256

MID-COURSE EXECUTION ACCURACY

SGT 1338.8 SGR 451.1 SG3 101.4
 RRT .0622 RRF -.0675 RTF -.8242
 SGB 1412.8 R23 -.0097 R13 -.8243
 SG1 1339.1 SG2 450.1 THA 1.35

ORBIT DETERMINATION ACCURACY

ST 686.0 SR 376.4 SS 659.0
 CRT -.7535 CRS -.8649 CST .9810
 LSA 997.2 MSA 228.1 SSA 16.3
 EL1 748.9 EL2 226.7 ALF 155.10

LAUNCH DATE MAY 27 1967

FLIGHT TIME 96.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 228.233

RL 151.57 LAL .00 LOL 245.04 VL 24.563 GAL 5.26 AZL 93.36 HCA 92.55 SMA 115.61 ECC .32295 INC 3.3576 V1 29.396
 RP 108.87 LAP -3.35 LOP 337.59 VP 35.920 GAP -18.55 AZP 89.85 TAL 168.76 TAP 261.31 RCA 78.28 APO 152.95 V2 34.809
 RC 42.849 GL -15.00 GP 2.01 ZAL 69.36 ZAP 4.32 ETS 207.89 ZAE 164.73 ETE 65.85 ZAC 103.00 ETC 15.39 CLP 3.83

PLANETOCENTRIC CONIC

C3 30.626 VHL 5.534 DLA -12.34 RAL 170.70 RAD 6568.2 VEL 12.329 PTH 2.22 VHP 11.355 DPA 12.26 RAP 164.96 ECC 1.5040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 57 1925.78 -11.68 23.96 37.20 115.98 8 36 3 1325.8 -8.09 17.12
 90.00 16 50 56 5356.26 27.73 244.40 44.07 84.02 18 20 12 4756.3 26.61 235.91
 100.00 9 18 58 1683.74 -12.91 5.54 36.56 117.19 9 47 2 1083.7 -9.17 358.75
 100.00 18 18 36 5073.53 29.10 223.42 43.89 82.86 19 43 9 4473.5 27.81 214.86
 110.00 10 12 57 1514.70 -16.15 350.87 34.72 120.54 10 38 11 914.7 -11.98 344.25
 110.00 19 41 7 4815.34 32.76 203.16 43.23 79.64 21 1 22 4215.3 30.98 194.39

DIFFERENTIAL CORRECTIONS

TDE .5979 TRA-1.1708 TC3 .0918 BAU .0714
 RDE -.3506 RRA -.1894 RC3 .1481 FAU .02376
 FDE -.6463 FRA .7652 FC3 -.6717 BSP 4247
 BDE .6931 BRA 1.1860 BC3 .1743 FSP -285

MID-COURSE EXECUTION ACCURACY

SGT 1390.3 SGR 446.0 SG3 111.3
 RRT .0662 RRF -.0727 RTF -.8356
 SGB 1460.1 R23 -.0112 R13 -.8357
 SG1 1390.7 SG2 444.9 THA 1.35

ORBIT DETERMINATION ACCURACY

ST 722.3 SR 368.0 SS 698.9
 CRT -.7610 CRS -.8703 CST .9811
 LSA 1046.4 MSA 224.1 SSA 16.5
 EL1 779.9 EL2 221.1 ALF 156.84

LAUNCH DATE MAY 27 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 234.926

RL 151.57 LAL .00 LOL 245.04 VL 24.794 GAL 4.93 AZL 93.39 HCA 95.72 SMA 116.78 ECC .30901 INC 3.3947 V1 29.396
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.084 GAP -17.59 AZP 89.66 TAL 168.79 TAP 264.50 RCA 80.69 APO 152.86 V2 34.815
 RC 42.995 GL -16.08 GP 2.14 ZAL 69.76 ZAP 3.09 ETS 223.99 ZAE 163.26 ETE 57.34 ZAC 101.46 ETC 15.18 CLP 2.23

PLANETOCENTRIC CONIC

C3 27.901 VHL 5.282 DLA -13.20 RAL 169.98 RAD 6568.1 VEL 12.218 PTH 2.20 VHP 10.801 DPA 11.78 RAP 166.48 ECC 1.4592
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 31 1872.93 -10.08 20.90 35.06 116.60 8 39 44 1272.9 -6.43 14.13
 90.00 16 40 39 5362.46 27.77 244.85 41.97 84.24 18 10 2 4762.5 26.69 236.35
 100.00 9 22 59 1632.68 -11.31 2.60 34.41 117.86 9 50 11 1032.7 -7.49 355.89
 100.00 18 8 52 5077.95 29.14 223.75 41.79 83.03 19 33 30 4477.9 27.87 215.18
 110.00 10 15 45 1467.39 -14.50 348.20 32.56 121.30 10 40 12 867.4 -10.25 341.68
 110.00 19 32 35 4816.00 32.77 203.21 41.15 79.66 20 52 51 4216.0 30.99 194.44

DIFFERENTIAL CORRECTIONS

TDE .6052 TRA-1.1449 TC3 .1394 BAU .0801
 RDE -.3258 RRA -.1773 RC3 .1633 FAU .02511
 FDE -.6913 FRA .7833 FC3 -.7792 BSP 4434
 BDE .6873 BRA 1.1585 BC3 .2147 FSP -317

MID-COURSE EXECUTION ACCURACY

SGT 1442.1 SGR 440.1 SG3 122.2
 RRT .0714 RRF -.0793 RTF -.8463
 SGB 1507.8 R23 -.0127 R13 -.8464
 SG1 1442.5 SG2 438.8 THA 1.38

ORBIT DETERMINATION ACCURACY

ST 759.9 SR 358.4 SS 741.6
 CRT -.7686 CRS -.8756 CST .9813
 LSA 1098.8 MSA 219.6 SSA 16.6
 EL1 812.3 EL2 214.5 ALF 158.50

LAUNCH DATE MAY 27 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 241.630

RL 151.57 LAL .00 LOL 245.04 VL 25.008 GAL 4.61 AZL 93.43 HCA 98.88 SMA 117.88 ECC .29594 INC 3.4322 V1 29.396
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.238 GAP -16.66 AZP 89.47 TAL 168.86 TAP 267.74 RCA 83.00 APO 152.77 V2 34.822
 RC 43.312 GL -17.19 GP 2.29 ZAL 70.25 ZAP 2.36 ETS 255.49 ZAE 161.56 ETE 50.40 ZAC 99.94 ETC 14.98 CLP .60

PLANETOCENTRIC CONIC

C3 25.493 VHL 5.049 DLA -14.07 RAL 169.16 RAD 6568.0 VEL 12.119 PTH 2.17 VHP 10.267 DPA 11.32 RAP 167.99 ECC 1.4195
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 51 1820.50 -8.47 17.89 32.92 117.12 8 43 12 1220.5 -4.77 11.17
 90.00 16 29 47 5370.11 27.82 245.40 39.83 84.52 17 59 17 4770.1 26.77 236.89
 100.00 9 26 44 1582.13 -9.68 359.72 32.27 118.42 9 53 6 982.1 -5.81 353.07
 100.00 17 58 35 5083.72 29.19 224.17 39.66 83.24 19 23 19 4483.7 27.95 215.59
 110.00 10 18 15 1420.75 -12.83 345.61 30.40 121.96 10 41 56 820.8 -8.52 339.17
 110.00 19 23 33 4817.86 32.79 203.35 39.03 79.74 20 43 51 4217.9 31.03 194.57

DIFFERENTIAL CORRECTIONS

TDE .6140 TRA-1.1172 TC3 .1939 BAU .0900
 RDE -.3019 RRA -.1658 RC3 .1794 FAU .02663
 FDE -.7421 FRA .8016 FC3 -.9044 BSP 4622
 BDE .6842 BRA 1.1294 BC3 .2641 FSP -353

MID-COURSE EXECUTION ACCURACY

SGT 1494.0 SGR 433.3 SG3 134.5
 RRT .0776 RRF -.0872 RTF -.8563
 SGB 1555.6 R23 -.0147 R13 -.8564
 SG1 1494.4 SG2 431.9 THA 1.41

ORBIT DETERMINATION ACCURACY

ST 799.6 SR 347.5 SS 788.0
 CRT -.7768 CRS -.8810 CST .9817
 LSA 1155.3 MSA 214.5 SSA 16.7
 EL1 847.0 EL2 206.6 ALF 160.11

LAUNCH DATE MAY 27 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 248.342

RL 151.57 LAL .00 LOL 245.04 VL 25.206 GAL 4.30 AZL 93.47 HCA 102.05 SMA 118.93 ECC .28373 INC 3.4704 V1 29.396
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.382 GAP -15.76 AZP 89.27 TAL 168.98 TAP 271.03 RCA 85.19 APO 152.67 V2 34.830
 RC 43.796 GL -18.34 GP 2.45 ZAL 70.83 ZAP 2.68 ETS 293.66 ZAE 159.76 ETE 44.82 ZAC 98.45 ETC 14.80 CLP -1.07

PLANETOCENTRIC CONIC

C3 23.370 VHL 4.834 DLA -14.93 RAL 168.25 RAD 6567.9 VEL 12.031 PTH 2.15 VHP 9.753 DPA 10.89 RAP 169.46 ECC 1.3846
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 0 1768.59 -6.85 14.94 30.79 117.54 8 46 29 1168.6 -3.10 8.26
 90.00 16 18 20 5379.33 27.88 246.07 37.67 84.85 17 48 0 4779.3 26.88 237.55
 100.00 9 30 16 1532.20 -8.05 356.91 30.14 118.88 9 55 48 932.2 -4.14 350.31
 100.00 17 47 46 5090.95 29.24 224.70 37.51 83.52 19 12 37 4490.9 28.04 216.10
 110.00 10 20 29 1374.92 -11.17 343.11 28.26 122.52 10 43 23 774.9 -6.80 336.74
 110.00 19 14 2 4820.99 32.83 203.59 36.90 79.88 20 34 23 4221.0 31.08 194.80

DIFFERENTIAL CORRECTIONS

TDE .6241 TRA-1.0875 TC3 .2556 BAU .1007
 RDE -.2788 RRA -.1550 RC3 .1962 FAU .02833
 FDE -.7990 FRA .8203 FC3-1.0496 BSP 4825
 BDE .6835 BRA 1.0984 BC3 .3223 FSP -393

MID-COURSE EXECUTION ACCURACY

SGT 1545.2 SGR 425.8 SG3 148.1
 RRT .0854 RRF -.0973 RTF -.8658
 SGB 1602.8 R23 -.0174 R13 -.8659
 SG1 1545.6 SG2 424.1 THA 1.46

ORBIT DETERMINATION ACCURACY

ST 841.0 SR 335.3 SS 838.0
 CRT -.7855 CRS -.8861 CST .9823
 LSA 1215.8 MSA 208.8 SSA 16.8
 EL1 883.6 EL2 197.5 ALF 161.66

LAUNCH DATE MAY 27 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 255.058

RL 151.57 LAL .00 LOL 245.04 VL 25.389 GAL 4.01 AZL 93.51 HCA 105.22 SMA 119.92 ECC .27233 INC 3.5095 V1 29.396
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.517 GAP -14.90 AZP 89.08 TAL 169.14 TAP 274.36 RCA 87.27 APO 152.58 V2 34.838
 RC 44.440 GL -19.53 GP 2.64 ZAL 71.49 ZAP 3.84 ETS 316.50 ZAE 157.92 ETE 40.33 ZAC 96.99 ETC 14.62 CLP -2.78

PLANETOCENTRIC CONIC

C3 21.503 VHL 4.637 DLA -15.80 RAL 167.24 RAD 6567.9 VEL 11.953 PTH 2.13 VHP 9.259 DPA 10.49 RAP 170.89 ECC 1.3539
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 59 1717.29 -5.22 12.05 28.68 117.87 8 49 36 1117.3 -1.45 5.40
 90.00 16 6 19 5390.24 27.95 246.86 35.49 85.24 17 36 9 4790.2 26.99 238.32
 100.00 9 33 35 1483.01 -6.43 354.17 28.02 119.26 9 58 18 883.0 -2.48 347.60
 100.00 17 36 24 5099.74 29.31 225.35 35.34 83.85 19 1 23 4499.7 28.15 216.73
 110.00 10 22 25 1330.02 -9.51 340.68 26.14 122.99 10 44 35 730.0 -5.10 334.37
 110.00 19 4 3 4825.50 32.88 203.93 34.75 80.07 20 24 28 4225.5 31.16 195.13

DIFFERENTIAL CORRECTIONS

TDE .6346 TRA-1.0576 TC3 .3249 BAU .1118
 RDE -.2564 RRA -.1450 RC3 .2139 FAU .03024
 FDE -.8633 FRA .8396 FC3-1.2174 BSP 5004
 BDE .6844 BRA 1.0675 BC3 .3890 FSP -438

MID-COURSE EXECUTION ACCURACY

SGT 1596.8 SGR 417.6 SG3 163.4
 RRT .0964 RRF -.1099 RTF -.8746
 SGB 1650.5 R23 -.0196 R13 -.8748
 SG1 1597.4 SG2 415.5 THA 1.55

ORBIT DETERMINATION ACCURACY

ST 883.6 SR 321.7 SS 892.1
 CRT -.7934 CRS -.8909 CST .9828
 LSA 1280.0 MSA 203.2 SSA 16.8
 EL1 921.4 EL2 187.8 ALF 163.17

LAUNCH DATE MAY 27 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 261.777

RL 151.57 LAL .00 LOL 245.04 VL 25.557 GAL 3.73 AZL 93.55 HCA 108.39 SMA 120.86 ECC .26173 INC 3.5498 V1 29.396
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.642 GAP -14.06 AZP 88.88 TAL 169.34 TAP 277.74 RCA 89.23 APO 152.49 V2 34.846
 RC 45.237 GL -20.75 GP 2.85 ZAL 72.24 ZAP 5.36 ETS 327.83 ZAE 156.12 ETE 36.73 ZAC 95.58 ETC 14.45 CLP -4.55

PLANETOCENTRIC CONIC

C3 19.866 VHL 4.457 DLA -16.66 RAL 166.14 RAD 6567.8 VEL 11.885 PTH 2.11 VHP 8.783 DPA 10.12 RAP 172.29 ECC 1.3269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 49 1666.67 -3.60 9.21 26.59 118.11 8 52 36 1066.7 .18 2.57
 90.00 15 53 44 5402.93 28.02 247.78 33.31 85.70 17 23 47 4802.9 27.12 239.23
 100.00 9 36 43 1434.65 -4.81 351.49 25.92 119.54 10 0 38 834.7 -.84 344.95
 100.00 17 24 31 5110.18 29.38 226.11 33.17 84.25 18 49 41 4510.2 28.28 217.48
 110.00 10 24 7 1286.17 -7.88 338.34 24.03 123.37 10 45 33 686.2 -3.43 332.07
 110.00 18 53 37 4831.43 32.95 204.38 32.61 80.33 20 14 8 4231.4 31.26 195.56

DIFFERENTIAL CORRECTIONS

TDE .6458 TRA-1.0259 TC3 .3995 BAU .1227
 RDE -.2346 RRA -.1357 RC3 .2322 FAU .03236
 FDE -.9360 FRA .8594 FC3-1.4102 BSP 5181
 BDE .6871 BRA 1.0349 BC3 .4621 FSP -489

MID-COURSE EXECUTION ACCURACY

SGT 1646.5 SGR 408.6 SG3 180.4
 RRT .1100 RRF -.1258 RTF -.8827
 SGB 1696.5 R23 -.0225 R13 -.8829
 SG1 1647.2 SG2 406.0 THA 1.67

ORBIT DETERMINATION ACCURACY

ST 927.3 SR 306.6 SS 950.5
 CRT -.8012 CRS -.8952 CST .9834
 LSA 1348.3 MSA 197.5 SSA 16.8
 EL1 960.5 EL2 177.1 ALF 164.63

LAUNCH DATE MAY 27 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 268.495

RL 151.57 LAL .00 LOL 245.04 VL 25.712 GAL 3.46 AZL 93.59 HCA 111.57 SMA 121.74 ECC .25188 INC 3.5917 V1 29.396
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.759 GAP -13.26 AZP 88.68 TAL 169.59 TAP 281.15 RCA 91.08 APO 152.41 V2 34.856
 RC 46.178 GL -21.99 GP 3.09 ZAL 73.06 ZAP 7.07 ETS 333.99 ZAE 154.41 ETE 33.83 ZAC 94.21 ETC 14.29 CLP -6.36

PLANETOCENTRIC CONIC

C3 18.434 VHL 4.294 DLA -17.51 RAL 164.97 RAD 6567.7 VEL 11.824 PTH 2.09 VHP 8.325 DPA 9.80 RAP 173.65 ECC 1.3034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 33 1616.80 -2.00 6.42 24.53 118.25 8 55 30 1016.8 1.79 359.79
 90.00 15 40 37 5417.49 28.08 248.84 31.14 86.22 17 10 55 4817.5 27.27 240.27
 100.00 9 39 43 1387.19 -3.21 348.87 23.86 119.74 10 2 50 787.2 .77 342.35
 100.00 17 12 9 5122.33 29.46 227.01 31.02 84.71 18 37 31 4522.3 28.42 218.36
 110.00 10 25 35 1243.47 -6.27 336.07 21.96 123.67 10 46 19 643.5 -1.80 329.84
 110.00 18 42 46 4838.82 33.03 204.94 30.48 80.65 20 3 25 4238.8 31.39 196.10

DIFFERENTIAL CORRECTIONS

TDE .6580 TRA -.9929 TC3 .4804 BAU .1336
 RDE -.2134 RRA -.1272 RC3 .2513 FAU .03477
 FDE -1.0187 FRA .8797 FC3-1.6327 BSP 5351
 BDE .6917 BRA 1.0010 BC3 .5421 FSP -546

MID-COURSE EXECUTION ACCURACY

SGT 1694.6 SGR 399.2 SG3 199.4
 RRT .1276 RRF -.1460 RTF -.8902
 SGB 1741.0 R23 -.0261 R13 -.8904
 SG1 1695.4 SG2 395.7 THA 1.82

ORBIT DETERMINATION ACCURACY

ST 972.1 SR 289.8 SS 1013.7
 CRT -.8083 CRS -.8989 CST .9841
 LSA 1421.1 MSA 191.7 SSA 16.7
 EL1 1000.7 EL2 165.8 ALF 166.06

LAUNCH DATE MAY 27 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 275.209

RL 151.57 LAL .00 LOL 245.04 VL 25.855 GAL 3.21 AZL 93.64 HCA 114.74 SMA 122.57 ECC .24277 INC 3.6355 V1 29.396
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.868 GAP -12.48 AZP 88.48 TAL 169.86 TAP 284.60 RCA 92.81 APO 152.33 V2 34.865
 RC 47.255 GL -23.25 GP 3.36 ZAL 73.93 ZAP 8.90 ETS 337.68 ZAE 152.83 ETE 31.49 ZAC 92.89 ETC 14.14 CLP -8.25

PLANETOCENTRIC CONIC

C3 17.187 VHL 4.146 DLA -18.36 RAL 163.72 RAD 6567.7 VEL 11.772 PTH 2.08 VHP 7.885 DPA 9.53 RAP 174.96 ECC 1.2829
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 15 1567.69 -.42 3.68 22.51 118.31 8 58 23 967.7 3.37 357.05
 90.00 15 26 59 5434.01 28.15 250.05 29.00 86.82 16 57 33 4834.0 27.42 241.46
 100.00 9 42 36 1340.68 -1.64 346.31 21.83 119.85 10 4 57 740.7 2.35 339.79
 100.00 16 59 19 5136.25 29.55 228.03 28.89 85.25 18 24 55 4536.2 28.57 219.36
 110.00 10 26 52 1201.98 -4.70 333.89 19.92 123.90 10 46 54 602.0 -.22 327.67
 110.00 18 31 32 4847.72 33.13 205.62 28.38 81.04 19 52 20 4247.7 31.54 196.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6732 TRA -.9567 TC3 .5712 BAU .1453 SGT 1740.8 SGR 389.4 SG3 221.0 ST 1020.0 SR 271.2 SS 1083.1
 RDE -.1925 RRA -.1195 RC3 .2711 FAU .03752 RRT .1496 RRF -.1714 RTF -.8982 CRT -.8155 CRS -.9017 CST .9851
 FDE -1.1141 FRA .8997 FC3-1.8901 BSP 5570 SGB 1783.9 R23 -.0304 R13 -.8985 LSA 1500.8 MSA 185.2 SSA 16.6
 BDE .7002 BRA .9641 BC3 .6323 FSP -614 SG1 1741.9 SG2 384.8 THA 2.02 EL1 1044.3 EL2 153.3 ALF 167.49

LAUNCH DATE MAY 27 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 281.918

RL 151.57 LAL .00 LOL 245.04 VL 25.985 GAL 2.98 AZL 93.68 HCA 117.92 SMA 123.34 ECC .23437 INC 3.6816 V1 29.396
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.970 GAP -11.73 AZP 88.27 TAL 170.17 TAP 288.09 RCA 94.43 APO 152.25 V2 34.875
 RC 48.458 GL -24.53 GP 3.67 ZAL 74.86 ZAP 10.84 ETS 340.05 ZAE 151.41 ETE 29.64 ZAC 91.63 ETC 13.99 CLP -10.20

PLANETOCENTRIC CONIC

C3 16.106 VHL 4.013 DLA -19.20 RAL 162.41 RAD 6567.6 VEL 11.726 PTH 2.07 VHP 7.463 DPA 9.31 RAP 176.21 ECC 1.2651
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 58 1519.32 1.14 .98 20.54 118.30 9 1 18 919.3 4.92 354.34
 90.00 15 12 51 5452.59 28.22 251.40 26.89 87.50 16 43 43 4852.6 27.57 242.80
 100.00 9 45 26 1295.14 -.09 343.82 19.85 119.89 10 7 2 695.1 3.88 337.29
 100.00 16 46 3 5152.01 29.63 229.20 26.79 85.85 18 11 55 4552.0 28.74 220.51
 110.00 10 28 0 1161.76 -3.17 331.78 17.93 124.05 10 47 22 561.8 1.32 325.58
 110.00 18 19 59 4858.15 33.24 206.41 26.32 81.50 19 40 57 4258.1 31.70 197.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6861 TRA -.9223 TC3 .6582 BAU .1550 SGT 1784.0 SGR 379.5 SG3 245.1 ST 1065.2 SR 250.6 SS 1156.8
 RDE -.1718 RRA -.1127 RC3 .2918 FAU .04055 RRT .1789 RRF -.2040 RTF -.9044 CRT -.8193 CRS -.9028 CST .9858
 FDE -1.2214 FRA .9221 FC3-2.1794 BSP 5716 SGB 1823.9 R23 -.0354 R13 -.9047 LSA 1582.1 MSA 180.0 SSA 16.3
 BDE .7073 BRA .9292 BC3 .7200 FSP -687 SG1 1785.4 SG2 373.1 THA 2.28 EL1 1085.2 EL2 141.0 ALF 168.90

LAUNCH DATE MAY 27 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 288.619

RL 151.57 LAL .00 LOL 245.04 VL 26.105 GAL 2.76 AZL 93.73 HCA 121.10 SMA 124.06 ECC .22663 INC 3.7304 V1 29.396
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.064 GAP -11.01 AZP 88.07 TAL 170.50 TAP 291.60 RCA 95.94 APO 152.18 V2 34.886
 RC 49.776 GL -25.82 GP 4.02 ZAL 75.83 ZAP 12.88 ETS 341.64 ZAE 150.17 ETE 28.20 ZAC 90.45 ETC 13.85 CLP -12.24

PLANETOCENTRIC CONIC

C3 15.175 VHL 3.895 DLA -20.03 RAL 161.06 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 7.059 DPA 9.18 RAP 177.41 ECC 1.2497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 39 48 1471.62 2.68 358.32 18.64 118.20 9 4 19 871.6 6.43 351.65
 90.00 14 58 13 5473.36 28.27 252.92 24.82 88.26 16 29 26 4873.4 27.73 244.30
 100.00 9 48 18 1250.53 1.42 341.37 17.94 119.86 10 9 9 650.5 5.38 334.82
 100.00 16 32 23 5169.68 29.71 230.51 24.75 86.54 17 58 33 4569.7 28.91 221.79
 110.00 10 29 3 1122.83 -1.68 329.75 16.00 124.15 10 47 46 522.8 2.81 323.54
 110.00 18 8 8 4870.14 33.35 207.33 24.32 82.03 19 29 18 4270.1 31.89 198.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6994 TRA -.8866 TC3 .7478 BAU .1645 SGT 1823.2 SGR 369.9 SG3 272.1 ST 1109.9 SR 227.6 SS 1236.5
 RDE -.1509 RRA -.1068 RC3 .3135 FAU .04398 RRT .2165 RRF -.2455 RTF -.9102 CRT -.8204 CRS -.9017 CST .9865
 FDE -1.3444 FRA .9452 FC3-2.5092 BSP 5857 SGB 1860.3 R23 -.0414 R13 -.9106 LSA 1667.9 MSA 175.1 SSA 16.0
 BDE .7155 BRA .8930 BC3 .8108 FSP -769 SG1 1825.0 SG2 360.8 THA 2.62 EL1 1125.7 EL2 128.3 ALF 170.32

LAUNCH DATE MAY 27 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 295.311

RL 151.57 LAL .00 LOL 245.04 VL 26.215 GAL 2.55 AZL 93.78 HCA 124.28 SMA 124.73 ECC .21953 INC 3.7827 V1 29.396
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.151 GAP -10.30 AZP 87.87 TAL 170.85 TAP 295.13 RCA 97.35 APO 152.11 V2 34.897
 RC 51.201 GL -27.11 GP 4.43 ZAL 76.81 ZAP 15.03 ETS 342.72 ZAE 149.12 ETE 27.14 ZAC 89.34 ETC 13.71 CLP -14.38

PLANETOCENTRIC CONIC

C3 14.378 VHL 3.792 DLA -20.85 RAL 159.67 RAD 6567.6 VEL 11.652 PTH 2.05 VHP 6.672 DPA 9.12 RAP 178.54 ECC 1.2366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 49 1424.43 4.20 355.68 16.81 118.03 9 7 34 824.4 7.91 348.97
 90.00 14 43 6 5496.50 28.30 254.61 22.82 89.11 16 14 42 4896.5 27.88 245.97
 100.00 9 51 16 1206.76 2.90 338.96 16.10 119.76 10 11 23 606.8 6.84 332.39
 100.00 16 18 20 5189.40 29.78 231.97 22.77 87.30 17 44 49 4589.4 29.09 223.23
 110.00 10 30 4 1085.16 -.24 327.78 14.13 124.18 10 48 9 485.2 4.24 321.57
 110.00 17 56 2 4883.76 33.48 208.37 22.39 82.64 19 17 25 4283.8 32.10 199.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7126 TRA -.8496 TC3 .8348 BAU .1730 SGT 1856.7 SGR 361.3 SG3 302.6 ST 1153.1 SR 201.9 SS 1322.5
 RDE -.1295 RRA -.1017 RC3 .3367 FAU .04784 RRT .2637 RRF -.2974 RTF -.9153 CRT -.8169 CRS -.8969 CST .9873
 FDE -1.4855 FRA .9686 FC3-2.8804 BSP 5988 SGB 1891.5 R23 -.0490 R13 -.9159 LSA 1757.9 MSA 170.6 SSA 15.6
 BDE .7243 BRA .8557 BC3 .9001 FSP -864 SG1 1859.2 SG2 348.0 THA 3.04 EL1 1165.0 EL2 115.3 ALF 171.78

LAUNCH DATE MAY 27 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 301.991

RL 151.57 LAL .00 LOL 245.04 VL 26.314 GAL 2.36 AZL 93.84 HCA 127.46 SMA 125.34 ECC .21304 INC 3.8392 V1 29.396
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.233 GAP -9.62 AZP 87.66 TAL 171.22 TAP 298.68 RCA 98.64 APO 152.05 V2 34.908
 RC 52.722 GL -28.40 GP 4.90 ZAL 77.81 ZAP 17.32 ETS 343.46 ZAE 148.28 ETE 26.42 ZAC 88.32 ETC 13.57 CLP -16.63

PLANETOCENTRIC CONIC

C3 13.703 VHL 3.702 DLA -21.66 RAL 158.26 RAD 6567.5 VEL 11.623 PTH 2.04 VHP 6.302 DPA 9.17 RAP 179.60 ECC 1.2255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 12 1377.50 5.69 353.04 15.07 117.79 9 11 9 777.5 9.37 346.29
 90.00 14 27 28 5522.27 28.32 256.50 20.89 90.05 15 59 30 4922.3 28.02 247.84
 100.00 9 54 27 1163.66 4.36 336.59 14.34 119.60 10 13 51 563.7 8.26 329.98
 100.00 16 3 53 5211.35 29.84 233.60 20.87 88.16 17 30 45 4611.3 29.27 224.84
 110.00 10 31 8 1048.68 1.15 325.88 12.34 124.17 10 48 37 448.7 5.63 319.65
 110.00 17 43 42 4899.09 33.60 209.55 20.54 83.33 19 5 21 4299.1 32.32 200.56

DIFFERENTIAL CORRECTIONS

TDE .7250 TRA -.8127 TC3 .9170 BAU .1806
 RDE -.1071 RRA -.0976 RC3 .3619 FAU .05218
 FDE-1.6475 FRA .9939 FC3-3.2966 BSP 6084
 BDE .7329 BRA .8186 BC3 .9858 FSP -969

MID-COURSE EXECUTION ACCURACY

SGT 1884.7 SGR 354.5 SG3 336.8
 RRT .3230 RRF -.3619 RTF -.9199
 SGB 1917.8 R23 -.0582 R13 -.9206
 SG1 1888.3 SG2 334.9 THA 3.59

ORBIT DETERMINATION ACCURACY

ST 1193.5 SR 173.0 SS 1415.1
 CRT -.8043 CRS -.8851 CST .9880
 LSA 1851.7 MSA 166.8 SSA 15.1
 EL1 1201.7 EL2 102.1 ALF 173.30

LAUNCH DATE MAY 27 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 308.660

RL 151.57 LAL .00 LOL 245.04 VL 26.405 GAL 2.18 AZL 93.90 HCA 130.64 SMA 125.91 ECC .20713 INC 3.9008 V1 29.396
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.308 GAP -8.97 AZP 87.46 TAL 171.59 TAP 302.23 RCA 99.83 APO 151.99 V2 34.920
 RC 54.330 GL -29.68 GP 5.46 ZAL 78.81 ZAP 19.74 ETS 343.94 ZAE 147.65 ETE 26.06 ZAC 87.39 ETC 13.43 CLP -19.00

PLANETOCENTRIC CONIC

C3 13.139 VHL 3.625 DLA -22.47 RAL 156.84 RAD 6567.5 VEL 11.598 PTH 2.03 VHP 5.949 DPA 9.34 RAP 180.58 ECC 1.2162
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 6 1330.40 7.18 350.38 13.44 117.46 9 15 16 730.4 10.80 343.57
 90.00 14 11 13 5551.10 28.30 258.61 19.05 91.11 15 43 44 4951.1 28.15 249.94
 100.00 9 57 59 1120.95 5.79 334.23 12.68 119.38 10 16 40 521.0 9.66 327.58
 100.00 15 49 1 5235.78 29.88 235.41 19.06 89.11 17 16 17 4635.8 29.44 226.63
 110.00 10 32 21 1013.23 2.51 324.03 10.65 124.10 10 49 14 413.2 6.96 317.78
 110.00 17 31 9 4916.27 33.73 210.88 18.79 84.10 18 53 5 4316.3 32.55 201.84

DIFFERENTIAL CORRECTIONS

TDE .7386 TRA -.7729 TC3 .9988 BAU .1883
 RDE -.0832 RRA -.0944 RC3 .3901 FAU .05719
 FDE-1.8361 FRA 1.0175 FC3-3.7686 BSP 6218
 BDE .7432 BRA .7786 BC3 1.0722 FSP -1094

MID-COURSE EXECUTION ACCURACY

SGT 1906.5 SGR 351.2 SG3 375.8
 RRT .3953 RRF -.4398 RTF -.9246
 SGB 1938.6 R23 -.0692 R13 -.9256
 SG1 1911.7 SG2 321.7 THA 4.29

ORBIT DETERMINATION ACCURACY

ST 1233.2 SR 140.5 SS 1516.4
 CRT -.7747 CRS -.8588 CST .9888
 LSA 1952.7 MSA 162.7 SSA 14.5
 EL1 1238.0 EL2 88.5 ALF 174.93

LAUNCH DATE MAY 27 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 315.314

RL 151.57 LAL .00 LOL 245.04 VL 26.487 GAL 2.02 AZL 93.97 HCA 133.83 SMA 126.43 ECC .20177 INC 3.9686 V1 29.396
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.377 GAP -8.33 AZP 87.25 TAL 171.96 TAP 305.79 RCA 100.92 APO 151.94 V2 34.932
 RC 56.016 GL -30.97 GP 6.11 ZAL 79.79 ZAP 22.32 ETS 344.23 ZAE 147.23 ETE 26.06 ZAC 86.58 ETC 13.30 CLP -21.51

PLANETOCENTRIC CONIC

C3 12.677 VHL 3.561 DLA -23.27 RAL 155.42 RAD 6567.5 VEL 11.579 PTH 2.02 VHP 5.614 DPA 9.66 RAP 181.48 ECC 1.2086
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 46 1282.49 8.67 347.65 11.94 117.06 9 20 9 682.5 12.24 340.78
 90.00 13 54 14 5583.64 28.23 260.98 17.31 92.30 15 27 18 4983.6 28.25 252.32
 100.00 10 2 3 1078.21 7.21 331.85 11.15 119.09 10 20 2 478.2 11.03 325.15
 100.00 15 33 38 5263.14 29.89 237.45 17.35 90.18 17 1 22 4663.1 29.60 228.65
 110.00 10 33 50 978.59 3.83 322.22 9.06 123.99 10 50 8 378.6 8.26 315.94
 110.00 17 18 22 4935.53 33.86 212.37 17.15 84.97 18 40 37 4335.5 32.79 203.29

DIFFERENTIAL CORRECTIONS

TDE .7479 TRA -.7356 TC3 1.0590 BAU .1932
 RDE -.0571 RRA -.0924 RC3 .4218 FAU .06264
 FDE-2.0509 FRA 1.0451 FC3-4.2776 BSP 6265
 BDE .7501 BRA .7414 BC3 1.1399 FSP -1230

MID-COURSE EXECUTION ACCURACY

SGT 1917.7 SGR 353.4 SG3 419.0
 RRT .4789 RRF -.5297 RTF -.9277
 SGB 1949.9 R23 -.0839 R13 -.9290
 SG1 1925.3 SG2 309.0 THA 5.18

ORBIT DETERMINATION ACCURACY

ST 1264.3 SR 104.4 SS 1623.5
 CRT -.6947 CRS -.7898 CST .9893
 LSA 2054.1 MSA 160.2 SSA 13.8
 EL1 1266.3 EL2 75.0 ALF 176.71

LAUNCH DATE MAY 27 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 321.954

RL 151.57 LAL .00 LOL 245.04 VL 26.561 GAL 1.87 AZL 94.04 HCA 137.02 SMA 126.91 ECC .19692 INC 4.0440 V1 29.396
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.441 GAP -7.71 AZP 87.04 TAL 172.33 TAP 309.35 RCA 101.92 APO 151.90 V2 34.945
 RC 57.772 GL -32.25 GP 6.87 ZAL 80.74 ZAP 25.07 ETS 344.38 ZAE 147.02 ETE 26.47 ZAC 85.89 ETC 13.17 CLP -24.17

PLANETOCENTRIC CONIC

C3 12.312 VHL 3.509 DLA -24.09 RAL 154.02 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 5.297 DPA 10.14 RAP 182.28 ECC 1.2026
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 5 35 1232.77 10.20 344.80 10.58 116.56 9 26 7 632.8 13.69 337.85
 90.00 13 36 15 5620.87 28.10 263.70 15.67 93.66 15 9 56 5020.9 28.31 255.04
 100.00 10 6 54 1034.80 8.64 329.42 9.75 118.73 10 24 9 434.8 12.41 322.66
 100.00 15 17 37 5294.08 29.86 239.75 15.76 91.39 16 45 51 4694.1 29.74 230.94
 110.00 10 35 43 944.45 5.12 320.43 7.60 123.84 10 51 27 344.4 9.53 314.11
 110.00 17 5 18 4957.19 33.97 214.05 15.65 85.96 18 27 55 4357.2 33.04 204.93

DIFFERENTIAL CORRECTIONS

TDE .7544 TRA -.6975 TC3 1.1055 BAU .1970
 RDE -.0278 RRA -.0916 RC3 .4586 FAU .06875
 FDE-2.2975 FRA 1.0729 FC3-4.8348 BSP 6282
 BDE .7549 BRA .7035 BC3 1.1969 FSP -1384

MID-COURSE EXECUTION ACCURACY

SGT 1917.3 SGR 364.0 SG3 467.4
 RRT .5704 RRF -.6275 RTF -.9301
 SGB 1951.5 R23 -.1022 R13 -.9320
 SG1 1928.8 SG2 297.2 THA 6.33

ORBIT DETERMINATION ACCURACY

ST 1287.7 SR 67.6 SS 1737.8
 CRT -.4293 CRS -.5502 CST .9898
 LSA 2158.1 MSA 158.3 SSA 13.0
 EL1 1288.0 EL2 61.1 ALF 178.70

LAUNCH DATE MAY 27 1967

FLIGHT TIME 126.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 328.578

RL 151.57 LAL .00 LOL 245.04 VL 26.628 GAL 1.73 AZL 94.13 HCA 140.21 SMA 127.34 ECC .19257 INC 4.1291 V1 29.396
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.500 GAP -7.11 AZP 86.82 TAL 172.69 TAP 312.90 RCA 102.82 APO 151.86 V2 34.957
 RC 59.590 GL -33.53 GP 7.79 ZAL 81.65 ZAP 28.03 ETS 344.40 ZAE 147.01 ETE 27.35 ZAC 85.33 ETC 13.04 CLP -27.01

PLANETOCENTRIC CONIC

C3 12.037 VHL 3.469 DLA -24.92 RAL 152.64 RAD 6567.5 VEL 11.551 PTH 2.02 VHP 4.999 DPA 10.82 RAP 182.99 ECC 1.1981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 3 1179.63 11.80 341.71 9.40 115.93 9 33 43 579.6 15.19 334.68
 90.00 13 16 48 5664.47 27.87 266.87 14.15 95.23 14 51 13 5064.5 28.30 258.23
 100.00 10 12 52 989.77 10.10 326.88 8.52 118.28 10 29 22 389.8 13.80 320.05
 100.00 15 0 41 5329.57 29.77 242.38 14.30 92.78 16 29 30 4729.6 29.84 233.58
 110.00 10 38 11 910.34 6.41 318.63 6.28 123.65 10 53 22 310.3 10.79 312.27
 110.00 16 51 51 4981.76 34.07 215.96 14.29 87.09 18 14 52 4381.8 33.30 206.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7593 TRA -.6590 TC3 1.1350 BAU .1997 SGT 1905.9 SGR 386.9 SG3 521.8 ST 1304.8 SR 52.3 SS 1862.1
 RDE .0060 RRA -.0920 RC3 .5025 FAU .07561 RRT .6618 RRF -.7248 RTF -.9320 CRT .4516 CRS .3275 CST .9902
 FDE-2.5844 FRA 1.1002 FC3-5.4384 BSP 6281 SGB 1944.8 R23 -.1249 R13 -.9348 LSA 2268.9 MSA 156.5 SSA 12.1
 BDE .7593 BRA .6654 BC3 1.2412 FSP -1558 SG1 1923.5 SG2 287.4 THA 7.83 EL1 1305.0 EL2 46.6 ALF 1.04

LAUNCH DATE MAY 27 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 335.186

RL 151.57 LAL .00 LOL 245.04 VL 26.687 GAL 1.61 AZL 94.23 HCA 143.40 SMA 127.73 ECC .18867 INC 4.2266 V1 29.396
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.554 GAP -6.53 AZP 86.60 TAL 173.03 TAP 316.43 RCA 103.63 APO 151.83 V2 34.970
 RC 61.464 GL -34.83 GP 8.89 ZAL 82.50 ZAP 31.21 ETS 344.32 ZAE 147.18 ETE 28.78 ZAC 84.92 ETC 12.92 CLP -30.04

PLANETOCENTRIC CONIC

C3 11.852 VHL 3.443 DLA -25.78 RAL 151.30 RAD 6567.5 VEL 11.543 PTH 2.01 VHP 4.719 DPA 11.76 RAP 183.60 ECC 1.1951
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 9 1120.19 13.54 338.22 8.44 115.11 9 43 49 520.2 16.82 331.07
 90.00 12 54 59 5717.40 27.48 270.69 12.73 97.11 14 30 17 5117.4 28.18 262.10
 100.00 10 20 27 941.60 11.64 324.13 7.47 117.73 10 36 9 341.6 15.26 317.21
 100.00 14 42 22 5371.22 29.60 245.46 12.97 94.39 16 11 53 4771.2 29.89 236.67
 110.00 10 41 29 875.62 7.72 316.79 5.12 123.40 10 56 5 275.6 12.06 310.38
 110.00 16 37 50 5009.97 34.15 218.16 13.10 88.39 18 1 20 4410.0 33.55 208.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7599 TRA -.6199 TC3 1.1428 BAU .2013 SGT 1879.2 SGR 426.7 SG3 581.8 ST 1310.8 SR 93.4 SS 1994.4
 RDE .0461 RRA -.0937 RC3 .5553 FAU .08318 RRT .7438 RRF -.8116 RTF -.9332 CRT .9411 CRS .8890 CST .9906
 FDE-2.9139 FRA 1.1256 FC3-6.0761 BSP 6245 SGB 1927.0 R23 -.1521 R13 -.9373 LSA 2383.3 MSA 155.2 SSA 11.2
 BDE .7613 BRA .6270 BC3 1.2706 FSP -1753 SG1 1906.4 SG2 281.2 THA 9.80 EL1 1313.7 EL2 31.5 ALF 3.84

LAUNCH DATE MAY 27 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 341.776

RL 151.57 LAL .00 LOL 245.04 VL 26.740 GAL 1.51 AZL 94.34 HCA 146.60 SMA 128.08 ECC .18521 INC 4.3399 V1 29.396
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.604 GAP -5.96 AZP 86.37 TAL 173.35 TAP 319.95 RCA 104.36 APO 151.80 V2 34.983
 RC 63.388 GL -36.15 GP 10.22 ZAL 83.29 ZAP 34.66 ETS 344.16 ZAE 147.47 ETE 30.90 ZAC 84.66 ETC 12.81 CLP -33.30

PLANETOCENTRIC CONIC

C3 11.759 VHL 3.429 DLA -26.69 RAL 149.99 RAD 6567.4 VEL 11.539 PTH 2.01 VHP 4.461 DPA 12.99 RAP 184.12 ECC 1.1935
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 40 47 1048.42 15.57 333.93 7.77 113.95 9 58 15 448.4 18.68 326.63
 90.00 12 28 56 5785.88 26.81 275.59 11.38 99.48 14 5 22 5185.9 27.84 267.08
 100.00 10 30 31 887.76 13.33 321.02 6.66 117.01 10 45 19 287.8 16.84 314.00
 100.00 14 21 53 5421.77 29.28 249.19 11.76 96.33 15 52 14 4821.8 29.84 240.43
 110.00 10 45 56 839.39 9.07 314.85 4.15 123.10 10 59 55 239.4 13.37 308.39
 110.00 16 22 57 5042.90 34.18 220.73 12.08 89.91 17 47 0 4442.9 33.79 211.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7548 TRA -.5821 TC3 1.1210 BAU .2014 SGT 1834.8 SGR 488.6 SG3 647.5 ST 1303.0 SR 168.3 SS 2135.1
 RDE .0950 RRA -.0971 RC3 .6195 FAU .09137 RRT .8082 RRF -.8805 RTF -.9327 CRT .9953 CRS .9760 CST .9907
 FDE-3.2917 FRA 1.1502 FC3-6.7270 BSP 6160 SGB 1898.7 R23 -.1842 R13 -.9393 LSA 2502.1 MSA 154.6 SSA 10.3
 BDE .7608 BRA .5901 BC3 1.2808 FSP -1967 SG1 1877.8 SG2 281.1 THA 12.43 EL1 1313.7 EL2 16.1 ALF 7.33

LAUNCH DATE MAY 27 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 348.349

RL 151.57 LAL .00 LOL 245.04 VL 26.787 GAL 1.41 AZL 94.47 HCA 149.80 SMA 128.39 ECC .18216 INC 4.4743 V1 29.396
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.650 GAP -5.41 AZP 86.13 TAL 173.64 TAP 323.43 RCA 105.00 APO 151.77 V2 34.996
 RC 65.357 GL -37.52 GP 11.85 ZAL 84.01 ZAP 38.39 ETS 343.93 ZAE 147.81 ETE 33.87 ZAC 84.56 ETC 12.72 CLP -36.78

PLANETOCENTRIC CONIC

C3 11.766 VHL 3.430 DLA -27.67 RAL 148.72 RAD 6567.4 VEL 11.539 PTH 2.01 VHP 4.226 DPA 14.59 RAP 184.56 ECC 1.1936
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 48 945.66 18.31 327.62 7.56 111.99 10 22 33 345.7 21.13 320.09
 90.00 11 52 45 600.82 25.45 304.92 9.97 102.85 12 2 46 .8 26.97 296.58
 100.00 10 44 40 823.27 15.29 317.24 6.15 116.00 10 58 23 223.3 18.66 310.07
 100.00 13 57 34 5486.48 28.70 253.91 10.66 98.75 15 29 0 4886.5 29.61 245.22
 110.00 10 51 59 800.29 10.52 312.75 3.40 122.71 11 5 19 200.3 14.76 306.21
 110.00 16 6 44 5082.23 34.14 223.80 11.25 91.73 17 31 27 4482.2 34.01 214.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7439 TRA -.5429 TC3 1.0725 BAU .2013 SGT 1770.3 SGR 578.2 SG3 718.1 ST 1280.2 SR 267.3 SS 2284.3
 RDE .1560 RRA -.1020 RC3 .6981 FAU .10016 RRT .8532 RRF -.9292 RTF -.9311 CRT .9990 CRS .9933 CST .9906
 FDE-3.7235 FRA 1.1653 FC3-7.3697 BSP 6068 SGB 1862.3 R23 -.2162 R13 -.9418 LSA 2627.6 MSA 154.1 SSA 9.3
 BDE .7601 BRA .5524 BC3 1.2797 FSP -2205 SG1 1839.5 SG2 290.3 THA 15.98 +EL1 1307.7 EL2 11.5 ALF 11.79

LAUNCH DATE MAY 27 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 354.903

RL 151.57 LAL .00 LOL 245.04 VL 26.828 GAL 1.33 AZL 94.64 HCA 153.00 SMA 128.66 ECC .17948 INC 4.6374 V1 29.396
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.691 GAP -4.87 AZP 85.87 TAL 173.89 TAP 326.89 RCA 105.57 APO 151.76 V2 35.009
 RC 67.365 GL -38.97 GP 13.88 ZAL 84.65 ZAP 42.45 ETS 343.64 ZAE 148.08 ETE 37.87 ZAC 84.61 ETC 12.66 CLP -40.53

PLANETOCENTRIC CONIC

C3 11.887 VHL 3.448 DLA -28.76 RAL 147.47 RAD 6567.5 VEL 11.544 PTH 2.01 VHP 4.017 DPA 16.65 RAP 184.96 ECC 1.1956
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.76 10 11 6 916.80 22.61 327.20 8.09 108.26 10 26 23 316.8 24.90 319.23
 95.24 11 38 28 633.99 22.62 306.48 8.09 108.25 11 49 2 34.0 24.90 298.52
 100.00 11 7 3 735.22 17.84 311.95 6.10 114.39 11 19 18 135.2 20.98 304.56
 100.00 13 25 13 5578.84 27.56 260.54 9.57 102.06 14 58 12 4978.8 28.94 252.01
 110.00 11 0 23 756.17 12.13 310.35 2.92 122.21 11 12 59 156.2 16.30 303.72
 110.00 15 48 22 5130.66 33.98 227.57 10.62 93.96 17 13 52 4530.7 34.16 218.33

DIFFERENTIAL CORRECTIONS

TOE .7238 TRA -.5058 TC3 .9859 BAU .2011
 RDE .2342 RRA -.1091 RC3 .7928 FAU .10898
 FDE-4.2078 FRA 1.1743 FC3-7.9369 BSP 5904
 BDE .7608 BRA .5174 BC3 1.2651 FSP -2442

MID-COURSE EXECUTION ACCURACY

SGT 1681.8 SGR 702.2 SG3 790.9
 RRT .8790 RRF -.9604 RTF -.9266
 SGB 1822.5 R23 -.2438 R13 -.9449
 SG1 1795.3 SG2 313.7 THA 20.82

ORBIT DETERMINATION ACCURACY

ST 1237.0 SR 394.4 SS 2438.5
 CRT .9968 CRS .9979 CST .9903
 LSA 2758.3 MSA 154.3 SSA 8.3
 EL1 1298.0 EL2 30.3 ALF 17.64

LAUNCH DATE MAY 27 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 361.439

RL 151.57 LAL .00 LOL 245.04 VL 26.864 GAL 1.27 AZL 94.84 HCA 156.20 SMA 128.90 ECC .17717 INC 4.8408 V1 29.396
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.729 GAP -4.35 AZP 85.57 TAL 174.10 TAP 330.30 RCA 106.07 APO 151.74 V2 35.023
 RC 69.409 GL -40.55 GP 16.43 ZAL 85.21 ZAP 46.87 ETS 343.32 ZAE 148.06 ETE 43.10 ZAC 84.78 ETC 12.67 CLP -44.54

PLANETOCENTRIC CONIC

C3 12.152 VHL 3.486 DLA -29.99 RAL 146.22 RAD 6567.5 VEL 11.556 PTH 2.02 VHP 3.839 DPA 19.29 RAP 185.36 ECC 1.2000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.69 9 26 2 1050.21 23.44 337.36 7.51 109.26 9 43 32 450.2 25.85 329.38
 100.31 12 13 36 5797.92 23.45 275.52 7.51 109.25 13 50 14 5197.9 25.86 267.54
 79.69 9 26 2 1050.21 23.44 337.36 7.51 109.26 9 43 32 450.2 25.85 329.38
 100.31 12 13 36 5797.92 23.45 275.52 7.51 109.25 13 50 14 5197.9 25.86 267.54
 110.00 11 12 28 703.18 14.03 307.42 2.81 121.49 11 24 11 103.2 18.10 300.67
 110.00 15 26 20 5192.95 33.58 232.40 10.18 96.78 16 52 53 4593.0 34.16 223.20

DIFFERENTIAL CORRECTIONS

TOE .6931 TRA -.4703 TC3 .8610 BAU .2029
 RDE .3369 RRA -.1183 RC3 .9049 FAU .11722
 FDE-4.7409 FRA 1.1689 FC3-8.3506 BSP 5762
 BDE .7706 BRA .4849 BC3 1.2491 FSP -2679

MID-COURSE EXECUTION ACCURACY

SGT 1566.6 SGR 868.9 SG3 862.0
 RRT .8887 RRF -.9789 RTF -.9182
 SGB 1791.5 R23 -.2573 R13 -.9503
 SG1 1755.9 SG2 355.5 THA 27.46

ORBIT DETERMINATION ACCURACY

ST 1170.3 SR 558.1 SS 2594.3
 CRT .9938 CRS .9993 CST .9894
 LSA 2896.1 MSA 155.3 SSA 7.3
 EL1 1295.4 EL2 56.0 ALF 25.41

LAUNCH DATE MAY 27 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 367.955

RL 151.57 LAL .00 LOL 245.04 VL 26.895 GAL 1.21 AZL 95.10 HCA 159.40 SMA 129.11 ECC .17518 INC 5.1037 V1 29.396
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.763 GAP -3.84 AZP 85.22 TAL 174.28 TAP 333.68 RCA 106.49 APO 151.73 V2 35.036
 RC 71.485 GL -42.33 GP 19.70 ZAL 85.69 ZAP 51.71 ETS 342.99 ZAE 147.43 ETE 49.63 ZAC 85.04 ETC 12.76 CLP -48.84

PLANETOCENTRIC CONIC

C3 12.616 VHL 3.552 DLA -31.43 RAL 144.94 RAD 6567.5 VEL 11.576 PTH 2.02 VHP 3.700 DPA 22.69 RAP 185.89 ECC 1.2076
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.76 8 52 19 1148.74 24.33 345.10 7.21 110.54 9 11 28 548.7 26.90 337.11
 104.24 12 37 5 5715.32 24.34 269.68 7.21 110.53 14 12 20 5115.3 26.91 261.69
 75.76 8 52 19 1148.74 24.33 345.10 7.21 110.54 9 11 28 548.7 26.90 337.11
 104.24 12 37 5 5715.32 24.34 269.68 7.21 110.53 14 12 20 5115.3 26.91 261.69
 110.00 11 31 7 632.99 16.49 303.47 3.23 120.37 11 41 40 33.0 20.40 296.53
 110.00 14 57 27 5279.06 32.70 238.96 9.86 100.57 16 25 26 4679.1 33.81 229.90

DIFFERENTIAL CORRECTIONS

TOE .6535 TRA -.4338 TC3 .7109 BAU .2121
 RDE .4774 RRA -.1284 RC3 1.0375 FAU .12446
 FDE-5.3214 FRA 1.1258 FC3-8.5408 BSP 5757
 BDE .8093 BRA .4524 BC3 1.2577 FSP -2906

MID-COURSE EXECUTION ACCURACY

SGT 1428.0 SGR 1093.2 SG3 926.6
 RRT .8860 RRF -.9892 RTF -.9049
 SGB 1798.4 R23 -.2423 R13 -.9611
 SG1 1750.2 SG2 413.6 THA 36.52

ORBIT DETERMINATION ACCURACY

ST 1082.6 SR 773.8 SS 2752.1
 CRT .9908 CRS .9998 CST .9880
 LSA 3053.0 MSA 155.9 SSA 6.2
 EL1 1328.0 EL2 85.4 ALF 35.47

LAUNCH DATE MAY 27 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 374.453

RL 151.57 LAL .00 LOL 245.04 VL 26.921 GAL 1.17 AZL 95.46 HCA 162.61 SMA 129.29 ECC .17351 INC 5.4586 V1 29.396
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.794 GAP -3.34 AZP 84.79 TAL 174.40 TAP 337.01 RCA 106.85 APO 151.72 V2 35.049
 RC 73.590 GL -44.42 GP 23.99 ZAL 86.10 ZAP 57.01 ETS 342.69 ZAE 145.69 ETE 57.30 ZAC 85.27 ETC 12.96 CLP -53.42

PLANETOCENTRIC CONIC

C3 13.384 VHL 3.658 DLA -33.18 RAL 143.56 RAD 6567.5 VEL 11.609 PTH 2.03 VHP 3.616 DPA 27.09 RAP 186.74 ECC 1.2203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.94 8 21 28 1240.33 25.29 352.51 7.27 112.23 8 42 9 640.3 28.08 344.53
 108.06 12 56 53 5649.18 25.30 265.05 7.27 112.21 14 31 2 5049.2 28.09 257.07
 71.94 8 21 28 1240.33 25.29 352.51 7.27 112.23 8 42 9 640.3 28.08 344.53
 108.06 12 56 53 5649.18 25.30 265.05 7.27 112.21 14 31 2 5049.2 28.09 257.07
 110.00 12 6 9 5805.05 20.35 274.60 4.75 118.08 13 42 54 5205.0 23.94 267.29
 110.00 14 11 24 5420.50 30.45 249.36 9.31 106.34 15 41 44 4820.5 32.39 240.68

DIFFERENTIAL CORRECTIONS

TOE .5987 TRA -.4031 TC3 .5232 BAU .2305
 RDE .6743 RRA -.1409 RC3 1.1774 FAU .12792
 FDE-5.8964 FRA 1.0533 FC3-8.2745 BSP 5915
 BDE .9018 BRA .4270 BC3 1.2884 FSP -3046

MID-COURSE EXECUTION ACCURACY

SGT 1262.8 SGR 1388.2 SG3 969.1
 RRT .8665 RRF -.9947 RTF -.8799
 SGB 1876.6 R23 -.1957 R13 -.9759
 SG1 1813.5 SG2 482.5 THA 48.12

ORBIT DETERMINATION ACCURACY

ST 964.7 SR 1059.3 SS 2891.3
 CRT .9868 CRS .9999 CST .9851
 LSA 3222.9 MSA 157.9 SSA 5.2
 EL1 1428.1 EL2 115.7 ALF 47.71

LAUNCH DATE MAY 27 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 380.929

RL 151.57 LAL .00 LOL 245.04 VL 26.942 GAL 1.15 AZL 95.97 HCA 165.82 SMA 129.43 ECC .17214 INC 5.9690 V1 29.396
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.821 GAP -2.86 AZP 84.21 TAL 174.48 TAP 340.29 RCA 107.15 APO 151.71 V2 35.062
 RC 75.721 GL -46.98 GP 29.75 ZAL 86.46 ZAP 62.81 ETS 342.48 ZAE 142.14 ETE 65.55 ZAC 85.32 ETC 13.28 CLP -58.24

PLANETOCENTRIC CONIC

C3 14.680 VHL 3.831 DLA -35.38 RAL 141.95 RAD 6567.6 VEL 11.665 PTH 2.05 VHP 3.617 DPA 32.87 RAP 188.36 ECC 1.2416
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.85 7 50 35 1335.12 26.30 .40 7.81 114.56 8 12 50 735.1 29.38 352.47
 112.15 13 14 56 5595.04 26.31 261.30 7.82 114.55 14 48 11 4995.0 29.39 253.37
 67.85 7 50 35 1335.12 26.30 .40 7.81 114.56 8 12 50 735.1 29.38 352.47
 112.15 13 14 56 5595.04 26.31 261.30 7.82 114.55 14 48 11 4995.0 29.39 253.37
 67.85 7 50 35 1335.12 26.30 .40 7.81 114.56 8 12 50 735.1 29.38 352.47
 112.15 13 14 56 5595.04 26.31 261.30 7.82 114.55 14 48 11 4995.0 29.39 253.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5324 TRA -.3745 TC3 .3243 BAU .2654 SGT 1080.5 SGR 1783.3 SG3 973.5 ST 822.5 SR 1449.5 SS 3000.2
 RDE .9675 RRA -.1487 RC3 1.3131 FAU .12590 RRT .8248 RRF -.9974 RTF -.8355 CRT .9806 CRS 1.0000 CST .9796
 FDE-6.4100 FRA .8934 FC3-7.4251 BSP 6555 SGB 2085.1 R23 -.1235 R13 -.9900 LSA 3428.3 MSA 159.9 SSA 4.3
 BDE 1.1044 BRA .4029 BC3 1.3525 FSP -3085 SG1 2013.7 SG2 541.0 THA 61.17 EL1 1660.6 EL2 140.6 ALF 60.68

LAUNCH DATE MAY 27 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 387.385

RL 151.57 LAL .00 LOL 245.04 VL 26.960 GAL 1.13 AZL 96.77 HCA 169.02 SMA 129.55 ECC .17104 INC 6.7702 V1 29.396
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.846 GAP -2.39 AZP 83.35 TAL 174.50 TAP 343.52 RCA 107.39 APO 151.71 V2 35.075
 RC 77.874 GL -50.31 GP 37.74 ZAL 86.80 ZAP 69.16 ETS 342.51 ZAE 135.84 ETE 73.47 ZAC 84.86 ETC 13.68 CLP -63.26

PLANETOCENTRIC CONIC

C3 17.055 VHL 4.130 DLA -38.26 RAL 139.87 RAD 6567.7 VEL 11.766 PTH 2.08 VHP 3.778 DPA 40.54 RAP 191.72 ECC 1.2807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.11 7 17 19 1442.84 27.22 9.62 9.14 117.99 7 41 22 842.8 30.74 1.81
 116.89 13 31 39 5555.30 27.24 258.60 9.15 117.98 15 4 14 4955.3 30.75 250.80
 63.11 7 17 19 1442.84 27.22 9.62 9.14 117.99 7 41 22 842.8 30.74 1.81
 116.89 13 31 39 5555.30 27.24 258.60 9.15 117.98 15 4 14 4955.3 30.75 250.80
 63.11 7 17 19 1442.84 27.22 9.62 9.14 117.99 7 41 22 842.8 30.74 1.81
 116.89 13 31 39 5555.30 27.24 258.60 9.15 117.98 15 4 14 4955.3 30.75 250.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4567 TRA -.3536 TC3 .1341 BAU .3176 SGT 896.8 SGR 2304.3 SG3 904.3 ST 660.8 SR 1985.3 SS 3025.2
 RDE 1.4297 RRA -.1427 RC3 1.3867 FAU .11321 RRT .7459 RRF -.9988 RTF -.7558 CRT .9690 CRS 1.0000 CST .9685
 FDE-6.6748 FRA .6335 FC3-5.7466 BSP 7803 SGB 2472.7 R23 -.0571 R13 -.9973 LSA 3674.8 MSA 161.6 SSA 3.4
 BDE 1.5009 BRA .3813 BC3 1.3931 FSP -2878 SG1 2405.6 SG2 572.2 THA 72.81 EL1 2086.6 EL2 155.4 ALF 72.02

LAUNCH DATE MAY 27 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 393.817

RL 151.57 LAL .00 LOL 245.04 VL 26.974 GAL 1.13 AZL 98.22 HCA 172.23 SMA 129.65 ECC .17020 INC 8.2239 V1 29.396
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.868 GAP -1.92 AZP 81.85 TAL 174.47 TAP 346.70 RCA 107.58 APO 151.71 V2 35.088
 RC 80.046 GL -54.88 GP 49.16 ZAL 87.20 ZAP 75.99 ETS 342.97 ZAE 125.53 ETE 80.07 ZAC 83.35 ETC 13.84 CLP -68.28

PLANETOCENTRIC CONIC

C3 22.244 VHL 4.716 DLA -42.21 RAL 136.84 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 4.310 DPA 50.67 RAP 199.51 ECC 1.3661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.28 6 38 39 1580.45 27.46 21.46 11.87 123.41 7 5 0 980.4 31.65 14.04
 122.72 13 46 6 5543.45 27.48 257.76 11.88 123.40 15 18 30 4943.5 31.66 250.33
 57.28 6 38 39 1580.45 27.46 21.46 11.87 123.41 7 5 0 980.4 31.65 14.04
 122.72 13 46 6 5543.45 27.48 257.76 11.88 123.40 15 18 30 4943.5 31.66 250.33
 57.28 6 38 39 1580.45 27.46 21.46 11.87 123.41 7 5 0 980.4 31.65 14.04
 122.72 13 46 6 5543.45 27.48 257.76 11.88 123.40 15 18 30 4943.5 31.66 250.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3859 TRA -.3556 TC3 -.0152 BAU .3771 SGT 748.4 SGR 2961.3 SG3 715.8 ST 500.4 SR 2705.3 SS 2861.0
 RDE 2.2264 RRA -.0936 RC3 1.2679 FAU .08366 RRT .6048 RRF -.9994 RTF -.6158 CRT .9426 CRS 1.0000 CST .9428
 FDE-6.3233 FRA .2732 FC3-3.2561 BSP 9620 SGB 3054.4 R23 -.0169 R13 -.9993 LSA 3965.7 MSA 165.8 SSA 2.5
 BDE 2.2596 BRA .3677 BC3 1.2680 FSP -2260 SG1 2997.1 SG2 588.9 THA 80.96 EL1 2746.3 EL2 164.6 ALF 80.07

LAUNCH DATE MAY 27 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 400.221

RL 151.57 LAL .00 LOL 245.04 VL 26.984 GAL 1.15 AZL 101.70 HCA 175.43 SMA 129.72 ECC .16961 INC11.7020 V1 29.396
 RP 107.96 LAP -.93 LOP 60.56 VP 37.887 GAP -1.48 AZP 78.33 TAL 174.36 TAP 349.79 RCA 107.72 APO 151.72 V2 35.101
 RC 82.236 GL -61.38 GP 65.82 ZAL 87.81 ZAP 82.88 ETS 343.56 ZAE 109.47 ETE 84.02 ZAC 79.98 ETC 12.16 CLP -72.39

PLANETOCENTRIC CONIC

C3 38.861 VHL 6.234 DLA -47.65 RAL 131.80 RAD 6568.5 VEL 12.658 PTH 2.30 VHP 6.066 DPA 62.39 RAP 221.41 ECC 1.6395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.93 5 50 34 1792.64 24.32 38.21 17.45 132.32 6 20 27 1192.6 29.56 31.83
 130.07 13 53 59 5609.53 24.34 261.09 17.46 132.32 15 27 28 5009.5 29.57 254.71
 49.93 5 50 34 1792.64 24.32 38.21 17.45 132.32 6 20 27 1192.6 29.56 31.83
 130.07 13 53 59 5609.53 24.34 261.09 17.46 132.32 15 27 28 5009.5 29.57 254.71
 49.93 5 50 34 1792.64 24.32 38.21 17.45 132.32 6 20 27 1192.6 29.56 31.83
 130.07 13 53 59 5609.53 24.34 261.09 17.46 132.32 15 27 28 5009.5 29.57 254.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4801 TRA -.4377 TC3 -.0701 BAU .3716 SGT 747.6 SGR 3646.8 SG3 393.0 ST 476.3 SR 3535.6 SS 2326.7
 RDE 3.8465 RRA .0833 RC3 .7118 FAU .03550 RRT .5189 RRF -.9996 RTF -.5356 CRT .9228 CRS 1.0000 CST .9243
 FDE-4.8303 FRA -.0632 FC3 -.7910 BSP 10953 SGB 3722.7 R23 .0009 R13 -.9997 LSA 4255.3 MSA 182.2 SSA 1.5
 BDE 3.8763 BRA .4456 BC3 .7153 FSP -1144 SG1 3668.0 SG2 635.4 THA 83.74 EL1 3562.9 EL2 182.1 ALF 82.90

LAUNCH DATE MAY 27 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 406.496

RL 151.57 LAL .00 LOL 245.04 VL 26.991 GAL 1.19 AZL 120.44 HCA 178.54 SMA 129.76 ECC .16928 INC30.4425 V1 29.396
 RP 107.92 LAP -.74 LOP 63.78 VP 37.903 GAP -1.06 AZP 59.56 TAL 174.12 TAP 352.66 RCA 107.80 APO 151.73 V2 35.113
 RC 84.440 GL -65.83 GP 85.15 ZAL 89.00 ZAP 88.40 ETS 186.09 ZAE 81.47 ETE 287.10 ZAC 72.63 ETC 206.75 CLP 70.74

PLANETOCENTRIC CONIC

C3 224.593 VHL 14.986 DLA -50.77 RAL 126.72 RAD 6571.3 VEL 18.599 PTH 3.05 VHP 17.339 DPA 61.54 RAP 284.14 ECC 4.6962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.92 5 17 3 2196.07 6.64 58.73 31.26 140.46 5 53 39 1596.1 12.77 53.94
 134.08 13 47 1 661.01 6.66 297.32 31.27 140.46 13 58 3 61.0 12.79 292.53
 45.92 5 17 3 2196.07 6.64 58.73 31.26 140.46 5 53 39 1596.1 12.77 53.94
 134.08 13 47 1 661.01 6.66 297.32 31.27 140.46 13 58 3 61.0 12.79 292.53
 45.92 5 17 3 2196.07 6.64 58.73 31.26 140.46 5 53 39 1596.1 12.77 53.94
 134.08 13 47 1 661.01 6.66 297.32 31.27 140.46 13 58 3 61.0 12.79 292.53

DIFFERENTIAL CORRECTIONS

TDE 6.5622 TRA 1.2830 TC3 -.0681 BAU .4931
 RDE-8.5002 RRA -.4390 RC3 .1495 FAU-.01194
 FDE-3.0384 FRA -.1956 FC3 .0460 BSP 11559
 BDE10.7385 BRA 1.3560 BC3 .1642 FSP -273

MID-COURSE EXECUTION ACCURACY

SGT 2633.9 SGR 3291.2 SG3 101.6
 RRT -.9748 RRF .9996 RTF -.9798
 SGB 4215.4 R23 -.0634 R13 .9979
 SG1 4190.1 SG2 461.4 THA 128.51

ORBIT DETERMINATION ACCURACY

ST 2519.6 SR 3250.8 SS 1741.1
 CRT -.9977 CRS-1.0000 CST .9981
 LSA 4464.1 MSA 139.0 SSA .9
 EL1 4110.7 EL2 135.4 ALF 127.76

LAUNCH DATE MAY 27 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 413.190

RL 151.57 LAL .00 LOL 245.04 VL 26.994 GAL 1.17 AZL 74.17 HCA 182.03 SMA 129.79 ECC .16901 INC15.8259 V1 29.396
 RP 107.89 LAP -.55 LOP 66.99 VP 37.917 GAP -.54 AZP 105.82 TAL 174.21 TAP 356.24 RCA 107.85 APO 151.72 V2 35.125
 RC 86.655 GL 64.97 GP -86.76 ZAL 88.23 ZAP 89.33 ETS 10.62 ZAE 97.32 ETE 271.49 ZAC 104.57 ETC 353.05 CLP -78.08

PLANETOCENTRIC CONIC

C3 66.035 VHL 8.126 DLA 63.00 RAL 209.40 RAD 6569.3 VEL 13.689 PTH 2.50 VHP 12.472 DPA -64.35 RAP 105.10 ECC 2.0868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.04 22 4 28 4681.99 -22.07 232.04 107.49 29.33 23 22 30 4082.0 -28.98 227.99
 148.96 7 59 12 2983.11 -22.06 91.01 107.47 29.33 8 48 55 2383.1 -28.97 86.96
 31.04 22 4 28 4681.99 -22.07 232.04 107.49 29.33 23 22 30 4082.0 -28.98 227.99
 148.96 7 59 12 2983.11 -22.06 91.01 107.47 29.33 8 48 55 2383.1 -28.97 86.96
 31.04 22 4 28 4681.99 -22.07 232.04 107.49 29.33 23 22 30 4082.0 -28.98 227.99
 148.96 7 59 12 2983.11 -22.06 91.01 107.47 29.33 8 48 55 2383.1 -28.97 86.96

DIFFERENTIAL CORRECTIONS

TDE .9575 TRA .6366 TC3 -.0531 BAU .2159
 RDE .7471 RRA 2.8670 RC3 -.2388 FAU .00724
 FDE .2298 FRA 1.0637 FC3 -.0949 BSP 9553
 BDE 1.2145 BRA 2.9368 BC3 .2446 FSP -310

MID-COURSE EXECUTION ACCURACY

SGT 1200.3 SGR 4500.4 SG3 144.0
 RRT .8870 RRF .9998 RTF .8776
 SGB 4657.7 R23 .0479 R13 .9988
 SG1 4626.4 SG2 539.2 THA 76.50

ORBIT DETERMINATION ACCURACY

ST 737.4 SR 1435.9 SS 561.9
 CRT .7100 CRS -.9982 CST -.6668
 LSA 1636.2 MSA 494.1 SSA .4
 EL1 1539.9 EL2 484.2 ALF 67.64

LAUNCH DATE MAY 27 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 419.476

RL 151.57 LAL .00 LOL 245.04 VL 26.995 GAL 1.24 AZL 85.96 HCA 185.19 SMA 129.80 ECC .16908 INC 4.0420 V1 29.396
 RP 107.85 LAP -.37 LOP 70.21 VP 37.929 GAP -.13 AZP 94.03 TAL 173.90 TAP 359.08 RCA 107.85 APO 151.74 V2 35.137
 RC 88.880 GL 37.41 GP -63.10 ZAL 84.85 ZAP 91.25 ETS 358.58 ZAE 120.24 ETE 258.92 ZAC 110.76 ETC 351.48 CLP -92.77

PLANETOCENTRIC CONIC

C3 9.811 VHL 3.132 DLA 41.11 RAL 180.82 RAD 6567.4 VEL 11.454 PTH 1.99 VHP 5.479 DPA -45.93 RAP 132.33 ECC 1.1615
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.86 21 39 1 4023.76 -32.91 176.62 42.95 63.84 22 46 5 3423.8 -36.13 168.14
 121.14 4 36 37 2736.69 -32.90 78.30 42.94 63.83 5 22 13 2136.7 -36.12 69.82
 58.86 21 39 1 4023.76 -32.91 176.62 42.95 63.84 22 46 5 3423.8 -36.13 168.14
 121.14 4 36 37 2736.69 -32.90 78.30 42.94 63.83 5 22 13 2136.7 -36.12 69.82
 58.86 21 39 1 4023.76 -32.91 176.62 42.95 63.84 22 46 5 3423.8 -36.13 168.14
 121.14 4 36 37 2736.69 -32.90 78.30 42.94 63.83 5 22 13 2136.7 -36.12 69.82

DIFFERENTIAL CORRECTIONS

TDE .4196 TRA .3218 TC3-1.6734 BAU .5416
 RDE .4627 RRA 1.1695 RC3-3.7746 FAU .06256
 FDE .6258 FRA 1.6645 FC3-5.5206 BSP 12480
 BDE .6246 BRA 1.2130 BC3 4.1290 FSP -1486

MID-COURSE EXECUTION ACCURACY

SGT 1516.0 SGR 3790.6 SG3 470.1
 RRT .9303 RRF .9998 RTF .9288
 SGB 4082.5 R23 .0525 R13 .9985
 SG1 4049.2 SG2 520.4 THA 69.23

ORBIT DETERMINATION ACCURACY

ST 803.2 SR 1202.8 SS 790.7
 CRT .8814 CRS -.9997 CST -.8690
 LSA 1612.1 MSA 344.1 SSA 1.6
 EL1 1409.6 EL2 323.8 ALF 57.60

LAUNCH DATE MAY 27 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 425.803

RL 151.57 LAL .00 LOL 245.04 VL 26.994 GAL 1.30 AZL 88.80 HCA 188.40 SMA 129.78 ECC .16934 INC 1.1937 V1 29.396
 RP 107.82 LAP -.17 LOP 73.43 VP 37.938 GAP .29 AZP 91.18 TAL 173.58 TAP 1.98 RCA 107.81 APO 151.76 V2 35.149
 RC 91.113 GL 13.04 GP -48.28 ZAL 82.83 ZAP 95.53 ETS 354.70 ZAE 133.59 ETE 250.59 ZAC 114.03 ETC 355.44 CLP -98.33

PLANETOCENTRIC CONIC

C3 6.239 VHL 2.498 DLA 18.92 RAL 169.00 RAD 6567.2 VEL 11.297 PTH 1.94 VHP 4.053 DPA -32.19 RAP 139.70 ECC 1.1027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 6 2608.62 -26.77 68.02 18.96 99.58 4 27 34 2008.6 -25.18 59.71
 90.00 20 57 17 3985.84 -6.82 159.98 15.68 62.45 22 3 43 3385.8 -10.46 153.19
 100.00 5 17 1 2309.00 -27.77 45.77 18.75 101.53 5 55 30 1709.0 -25.90 37.47
 100.00 22 7 3 3760.69 -5.93 142.94 15.20 60.65 23 9 44 3160.7 -9.80 136.29
 110.00 6 50 21 2016.95 -30.29 22.86 18.03 106.65 7 23 58 1417.0 -27.71 14.62
 110.00 22 50 12 3625.50 -3.72 131.32 13.82 56.00 23 50 37 3025.5 -8.15 125.05

DIFFERENTIAL CORRECTIONS

TDE .1065 TRA .2753 TC3-3.3962 BAU .5079
 RDE -.0178 RRA .7743 RC3-5.0541 FAU .10951
 FDE -.1460 FRA 2.2679 FC-15.1951 BSP 11108
 BDE .1080 BRA .8218 BC3 6.0892 FSP -2562

MID-COURSE EXECUTION ACCURACY

SGT 1839.6 SGR 3146.7 SG3 810.4
 RRT .9549 RRF .9997 RTF .9545
 SGB 3645.0 R23 .0752 R13 .9968
 SG1 3613.8 SG2 475.8 THA 60.26

ORBIT DETERMINATION ACCURACY

ST 320.1 SR 569.8 SS 594.9
 CRT .5850 CRS -.9920 CST -.4785
 LSA 841.5 MSA 270.1 SSA 5.8
 EL1 606.3 EL2 244.0 ALF 68.08

LAUNCH DATE MAY 27 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 432.122

RL 151.57 LAL .00 LOL 245.04 VL 26.989 GAL 1.38 AZL 90.08 MCA 191.62 SMA 129.75 ECC .16977 INC .0678 V1 29.396
 RP 107.78 LAP .02 LOP 76.66 VP 37.945 GAP .70 AZP 89.92 TAL 173.23 TAP 4.85 RCA 107.73 APO 151.78 V2 35.160
 RC 93.352 GL -.90 GP -38.10 ZAL 81.80 ZAP 100.68 ETS 352.45 ZAE 141.36 ETE 240.43 ZAC 116.22 ETC 358.78 CLP-103.62

PLANETOCENTRIC CONIC

C3 5.943 VHL 2.438 OLA 5.76 RAL 164.21 RAD 6567.2 VEL 11.284 PTH 1.94 VHP 3.556 DPA -22.23 RAP 142.63 ECC 1.0978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 29 2146.57 -17.86 37.22 10.14 112.34 5 55 15 1546.6 -14.68 29.99
 90.00 18 43 38 4431.62 7.44 184.97 9.03 62.60 19 57 29 3831.6 3.71 178.28
 100.00 6 43 33 1875.41 -18.56 16.97 9.83 113.86 7 14 48 1275.4 -15.18 9.81
 100.00 20 2 14 4178.01 8.11 165.97 8.67 61.13 21 11 52 3578.0 4.20 159.36
 110.00 7 58 2 1642.28 -20.41 358.31 8.88 118.04 8 25 25 1042.3 -16.50 351.37
 110.00 21 4 14 3983.90 9.88 150.17 7.60 57.11 22 10 38 3383.9 5.47 143.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1220 TRA .2843 TC3-4.2867 BAU .4863 SGT 2213.9 SGR 2574.9 SG3 1038.3 ST 356.0 SR 661.2 SS 1039.6
 RDE -.2207 RRA .5716 RC3-4.3693 FAU .14005 RRT .9662 RRF .9993 RTF .9664 CRT .9955 CRS -.9962 CST -.9954
 FDE-1.2025 FRA 2.5914 FC-20.4019 BSP 10369 SGB 3395.8 R23 .1066 R13 .9936 LSA 1281.2 MSA 49.2 SSA 28.5
 BDE .2521 BRA .6384 BC3 6.1210 FSP -3319 SG1 3367.6 SG2 436.6 THA 49.46 EL1 750.3 EL2 29.6 ALF 61.76

LAUNCH DATE MAY 27 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 438.426

RL 151.57 LAL .00 LOL 245.04 VL 26.983 GAL 1.47 AZL 90.81 MCA 194.84 SMA 129.71 ECC .17039 INC .8082 V1 29.396
 RP 107.75 LAP .21 LOP 79.88 VP 37.951 GAP 1.11 AZP 89.22 TAL 172.82 TAP 7.67 RCA 107.61 APO 151.81 V2 35.170
 RC 95.596 GL -8.83 GP -30.86 ZAL 80.99 ZAP 105.94 ETS 351.17 ZAE 145.23 ETE 229.53 ZAC 117.82 ETC 1.48 CLP-108.66

PLANETOCENTRIC CONIC

C3 6.166 VHL 2.483 OLA -1.92 RAL 162.02 RAD 6567.2 VEL 11.294 PTH 1.94 VHP 3.362 DPA -14.94 RAP 143.88 ECC 1.1015
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 8 2 1913.75 -11.32 23.26 7.39 116.13 6 39 55 1313.8 -7.71 16.44
 90.00 17 37 36 4676.75 14.78 199.24 7.77 65.57 18 55 33 4076.8 11.36 192.23
 100.00 7 28 29 1654.24 -11.99 3.83 7.04 117.59 7 56 3 1054.2 -8.20 357.09
 100.00 18 59 51 4411.50 15.46 179.40 7.44 64.10 20 13 22 3811.5 11.85 172.47
 110.00 8 34 40 1447.03 -13.77 347.07 6.00 121.60 8 58 47 847.0 -9.49 340.58
 110.00 20 10 8 4191.48 17.27 161.70 6.44 60.03 21 20 0 3591.5 13.16 155.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3103 TRA .3189 TC3-4.7665 BAU .4850 SGT 2580.4 SGR 2106.4 SG3 1155.9 ST 752.6 SR 719.3 SS 1488.1
 RDE -.2798 RRA .4519 RC3-3.4474 FAU .15461 RRT .9721 RRF .9986 RTF .9729 CRT .9883 CRS -.9975 CST -.9961
 FDE-2.0564 FRA 2.7487 FC-21.7062 BSP 10113 SGB 3331.0 R23 .1325 R13 .9898 LSA 1814.2 MSA 80.4 SSA 16.0
 BDE .4178 BRA .5531 BC3 5.8825 FSP -3702 SG1 3308.6 SG2 385.6 THA 39.06 EL1 1037.9 EL2 79.7 ALF 43.69

LAUNCH DATE MAY 27 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 444.712

RL 151.57 LAL .00 LOL 245.04 VL 26.974 GAL 1.57 AZL 91.28 MCA 198.07 SMA 129.65 ECC .17118 INC 1.2826 V1 29.396
 RP 107.72 LAP .40 LOP 83.11 VP 37.954 GAP 1.52 AZP 88.78 TAL 172.37 TAP 10.45 RCA 107.46 APO 151.84 V2 35.180
 RC 97.843 GL -13.71 GP -25.55 ZAL 80.15 ZAP 111.02 ETS 350.47 ZAE 146.51 ETE 219.40 ZAC 119.03 ETC 3.70 CLP-113.42

PLANETOCENTRIC CONIC

C3 6.493 VHL 2.548 OLA -6.81 RAL 161.06 RAD 6567.2 VEL 11.309 PTH 1.94 VHP 3.302 DPA -9.48 RAP 144.43 ECC 1.1069
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 4 1769.42 -6.87 14.99 6.79 117.54 7 10 33 1169.4 -3.13 8.31
 90.00 16 56 58 4838.56 19.08 209.17 8.19 68.67 18 17 37 4238.6 16.01 201.84
 100.00 7 59 9 1517.49 -7.57 356.09 6.41 119.00 8 24 27 917.5 -3.64 349.50
 100.00 18 21 34 4565.73 19.81 188.79 7.88 67.14 19 37 40 3965.7 16.54 181.52
 110.00 8 59 58 1327.07 -9.40 340.52 5.30 123.02 9 22 5 727.1 -4.99 334.21
 110.00 19 37 14 4328.91 21.75 169.84 6.91 62.95 20 49 23 3728.9 17.95 162.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4809 TRA .3641 TC3-5.1032 BAU .5019 SGT 2934.7 SGR 1741.3 SG3 1201.1 ST 1112.1 SR 684.3 SS 1796.2
 RDE -.2821 RRA .3723 RC3-2.7183 FAU .15936 RRT .9752 RRF .9972 RTF .9771 CRT .9881 CRS -.9973 CST -.9965
 FDE-2.6655 FRA 2.7948 FC-21.2497 BSP 10382 SGB 3412.4 R23 .1440 R13 .9870 LSA 2218.3 MSA 99.7 SSA 13.1
 BDE .5576 BRA .5207 BC3 5.7820 FSP -3869 SG1 3396.2 SG2 332.8 THA 30.38 EL1 1302.6 EL2 89.9 ALF 31.47

LAUNCH DATE MAY 27 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 450.979

RL 151.57 LAL .00 LOL 245.04 VL 26.964 GAL 1.68 AZL 91.62 MCA 201.31 SMA 129.58 ECC .17214 INC 1.6167 V1 29.396
 RP 107.69 LAP .59 LOP 86.34 VP 37.955 GAP 1.92 AZP 88.49 TAL 171.87 TAP 13.18 RCA 107.27 APO 151.88 V2 35.190
 RC 100.092 GL -16.91 GP -21.53 ZAL 79.22 ZAP 115.80 ETS 350.11 ZAE 146.20 ETE 210.98 ZAC 119.91 ETC 5.57 CLP-117.89

PLANETOCENTRIC CONIC

C3 6.834 VHL 2.614 OLA -10.18 RAL 160.81 RAD 6567.2 VEL 11.324 PTH 1.95 VHP 3.314 DPA -5.31 RAP 144.68 ECC 1.1125
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 42 1669.36 -3.69 9.36 7.17 118.10 7 34 31 1069.4 .09 2.72
 90.00 16 29 21 4956.36 21.81 216.72 9.31 71.48 17 51 57 4356.4 19.08 209.11
 100.00 8 22 59 1423.22 -4.42 350.86 6.76 119.59 8 46 43 823.2 -.45 344.32
 100.00 17 55 44 4677.74 22.61 195.93 9.01 69.90 19 13 42 4077.7 19.66 188.37
 110.00 9 19 47 1245.40 -6.34 336.18 5.57 123.66 9 40 32 645.4 -1.88 329.94
 110.00 19 15 26 4428.32 24.69 176.06 8.08 65.57 20 29 15 3828.3 21.18 168.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6371 TRA .4195 TC3-5.3473 BAU .5270 SGT 3261.7 SGR 1450.6 SG3 1194.8 ST 1426.6 SR 606.6 SS 1983.8
 RDE -.2587 RRA .3186 RC3-2.1634 FAU .15690 RRT .9758 RRF .9947 RTF .9795 CRT .9871 CRS -.9963 CST -.9971
 FDE-3.0409 FRA 2.7980 FC-19.8750 BSP 10856 SGB 3569.8 R23 .1429 R13 .9852 LSA 2515.3 MSA 109.4 SSA 12.7
 BDE .6876 BRA .5268 BC3 5.7683 FSP -3841 SG1 3557.9 SG2 291.0 THA 23.63 EL1 1547.6 EL2 89.5 ALF 22.85

LAUNCH DATE MAY 27 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 457.228

RL 151.57 LAL .00 LOL 245.04 VL 26.951 GAL 1.81 AZL 91.87 HCA 204.54 SMA 129.49 ECC .17328 INC 1.8662 V1 29.396
 RP 107.66 LAP .78 LOP 89.57 VP 37.955 GAP 2.32 AZP 88.30 TAL 171.32 TAP 15.86 RCA 107.05 APO 151.93 V2 35.199
 RC 102.344 GL -19.12 GP -18.40 ZAL 78.20 ZAP 120.24 ETS 349.95 ZAE 145.04 ETE 204.45 ZAC 120.49 ETC 7.14 CLP-122.06

PLANETOCENTRIC CONIC

C3 7.175 VHL 2.679 DLA -12.67 RAL 161.02 RAD 6567.2 VEL 11.339 PTH 1.95 VHP 3.370 DPA -2.07 RAP 144.86 ECC 1.1181
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 14 1594.69 -1.29 5.19 8.08 118.29 7 54 48 994.7 2.50 358.56
 90.00 16 9 27 5048.16 23.67 222.81 10.79 73.99 17 33 35 4448.2 21.25 214.98
 100.00 8 43 2 1353.34 -2.07 347.01 7.65 119.83 9 5 35 753.3 1.92 340.49
 100.00 17 37 19 4764.74 24.52 201.68 10.51 72.35 18 56 44 4164.7 21.88 193.88
 110.00 9 36 33 1185.74 -4.08 333.04 6.39 123.97 9 56 18 585.7 .40 326.83
 110.00 19 0 18 4505.10 26.76 181.07 9.62 67.89 20 15 23 3905.1 23.52 173.41

DIFFERENTIAL CORRECTIONS

TDE -.7848 TRA .4805 TC3-5.5407 BAU .5576
 RDE -.2276 RRA .2795 RC3-1.7576 FAU .15112
 FDE -3.2617 FRA 2.7624 FC-18.2344 BSP 11529
 BDE .8171 BRA .5559 BC3 5.8128 FSP -3748

MID-COURSE EXECUTION ACCURACY

SGT 3569.1 SGR 1224.4 SG3 1161.7
 RRT .9743 RRF .9905 RTF .9812
 SGB 3773.2 R23 .1301 R13 .9845
 SG1 3764.1 SG2 261.5 THA 18.57

ORBIT DETERMINATION ACCURACY

ST 1710.5 SR 521.1 SS 2100.6
 CRT .9848 CRS -.9943 CST -.9976
 LSA 2756.3 MSA 114.1 SSA 12.9
 EL1 1786.0 EL2 86.8 ALF 16.74

LAUNCH DATE MAY 27 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 463.458

RL 151.57 LAL .00 LOL 245.04 VL 26.937 GAL 1.95 AZL 92.06 HCA 207.78 SMA 129.40 ECC .17458 INC 2.0611 V1 29.396
 RP 107.63 LAP .96 LOP 92.80 VP 37.953 GAP 2.72 AZP 88.18 TAL 170.73 TAP 18.51 RCA 106.81 APO 151.99 V2 35.208
 RC 104.596 GL -20.69 GP -15.92 ZAL 77.08 ZAP 124.35 ETS 349.92 ZAE 143.47 ETE 199.53 ZAC 120.80 ETC 8.48 CLP-125.93

PLANETOCENTRIC CONIC

C3 7.514 VHL 2.741 DLA -14.61 RAL 161.54 RAD 6567.2 VEL 11.354 PTH 1.96 VHP 3.455 DPA .48 RAP 145.07 ECC 1.1237
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 18 1535.97 .61 1.91 9.34 118.31 8 12 54 936.0 4.39 355.27
 90.00 15 54 35 5123.46 24.99 227.93 12.50 76.23 17 19 58 4523.5 22.85 219.92
 100.00 9 0 48 1298.82 -.22 344.02 8.88 119.89 9 22 27 698.8 3.76 337.49
 100.00 17 23 46 4835.84 25.90 206.51 12.24 74.54 18 44 22 4235.8 23.53 198.52
 110.00 9 51 31 1139.96 -2.34 330.64 7.55 124.11 10 10 31 540.0 2.15 324.44
 110.00 18 49 32 4567.46 28.29 185.28 11.38 69.95 20 5 40 3967.5 25.29 177.38

DIFFERENTIAL CORRECTIONS

TDE -.9249 TRA .5465 TC3-5.6889 BAU .5899
 RDE -.1938 RRA .2509 RC3-1.4535 FAU .14325
 FDE -3.3612 FRA 2.7099 FC-16.5046 BSP 12257
 BDE .9450 BRA .6013 BC3 5.8717 FSP -3592

MID-COURSE EXECUTION ACCURACY

SGT 3854.6 SGR 1045.3 SG3 1111.5
 RRT .9699 RRF .9837 RTF .9823
 SGB 3993.9 R23 .1108 R13 .9843
 SG1 3986.3 SG2 246.2 THA 14.79

ORBIT DETERMINATION ACCURACY

ST 1967.6 SR 437.1 SS 2163.2
 CRT .9800 CRS -.9905 CST -.9979
 LSA 2954.3 MSA 117.2 SSA 13.5
 EL1 2013.8 EL2 85.0 ALF 12.30

LAUNCH DATE MAY 27 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 469.668

RL 151.57 LAL .00 LOL 245.04 VL 26.921 GAL 2.10 AZL 92.22 HCA 211.02 SMA 129.29 ECC .17605 INC 2.2181 V1 29.396
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.949 GAP 3.12 AZP 88.10 TAL 170.09 TAP 21.11 RCA 106.53 APO 152.05 V2 35.216
 RC 106.849 GL -21.81 GP -13.92 ZAL 75.88 ZAP 128.14 ETS 349.95 ZAE 141.75 ETE 195.85 ZAC 120.86 ETC 9.62 CLP-129.51

PLANETOCENTRIC CONIC

C3 7.858 VHL 2.803 DLA -16.16 RAL 162.32 RAD 6567.3 VEL 11.369 PTH 1.96 VHP 3.562 DPA 2.49 RAP 145.38 ECC 1.1293
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 48 1488.04 2.15 359.24 10.85 118.24 8 29 36 888.0 5.91 352.58
 90.00 15 43 14 5187.69 25.96 232.39 14.39 78.26 17 9 42 4587.7 24.08 224.22
 100.00 9 17 7 1254.70 1.28 341.60 10.37 119.87 9 38 2 654.7 5.24 335.05
 100.00 17 13 36 4896.26 26.93 210.71 14.14 76.51 18 35 13 4296.3 24.81 202.55
 110.00 10 5 21 1103.60 -.95 328.74 8.97 124.17 10 23 45 503.6 3.54 322.54
 110.00 18 41 52 4620.13 29.46 188.93 13.33 71.82 19 58 52 4020.1 26.69 180.83

DIFFERENTIAL CORRECTIONS

TDE -1.0581 TRA .6189 TC3-5.7897 BAU .6216
 RDE -.1607 RRA .2298 RC3-1.2213 FAU .13426
 FDE -3.3800 FRA 2.6516 FC-14.7912 BSP 12998
 BDE 1.0702 BRA .6602 BC3 5.9171 FSP -3413

MID-COURSE EXECUTION ACCURACY

SGT 4116.8 SGR 903.3 SG3 1052.3
 RRT .9619 RRF .9732 RTF .9831
 SGB 4214.7 R23 .0891 R13 .9842
 SG1 4207.8 SG2 241.5 THA 11.96

ORBIT DETERMINATION ACCURACY

ST 2200.5 SR 360.3 SS 2190.5
 CRT .9715 CRS -.9837 CST -.9982
 LSA 3123.5 MSA 118.9 SSA 14.1
 EL1 2228.2 EL2 84.4 ALF 9.05

LAUNCH DATE MAY 27 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 475.858

RL 151.57 LAL .00 LOL 245.04 VL 26.904 GAL 2.26 AZL 92.35 HCA 214.26 SMA 129.17 ECC .17768 INC 2.3482 V1 29.396
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.944 GAP 3.51 AZP 88.06 TAL 169.42 TAP 23.67 RCA 106.22 APO 152.12 V2 35.223
 RC 109.101 GL -22.60 GP -12.28 ZAL 74.60 ZAP 131.63 ETS 360.02 ZAE 140.02 ETE 193.09 ZAC 120.69 ETC 10.57 CLP-132.84

PLANETOCENTRIC CONIC

C3 8.213 VHL 2.866 DLA -17.45 RAL 163.28 RAD 6567.3 VEL 11.384 PTH 1.97 VHP 3.686 DPA 4.07 RAP 145.82 ECC 1.1352
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 17 1447.87 3.45 356.99 12.57 118.12 8 45 24 847.9 7.18 350.30
 90.00 15 34 29 5244.20 26.68 236.37 16.41 80.13 17 1 53 4644.2 25.04 228.08
 100.00 9 32 29 1218.09 2.52 339.59 12.06 119.80 9 52 47 618.1 6.47 333.02
 100.00 17 5 58 4949.21 27.72 214.45 16.19 78.33 18 28 27 4349.2 25.83 206.16
 110.00 10 18 28 1074.04 .18 327.20 10.60 124.18 10 36 22 474.0 4.66 320.99
 110.00 18 36 28 4666.03 30.39 192.18 15.42 73.54 19 54 14 4066.0 27.84 183.91

DIFFERENTIAL CORRECTIONS

TDE -1.1850 TRA .6973 TC3-5.8502 BAU .6524
 RDE -.1290 RRA .2143 RC3-1.0420 FAU .12494
 FDE -3.3397 FRA 2.5931 FC-13.1699 BSP 13715
 BDE 1.1920 BRA .7295 BC3 5.9423 FSP -3217

MID-COURSE EXECUTION ACCURACY

SGT 4358.0 SGR 790.5 SG3 989.3
 RRT .9492 RRF .9580 RTF .9834
 SGB 4429.1 R23 .0685 R13 .9842
 SG1 4422.3 SG2 245.1 THA 9.80

ORBIT DETERMINATION ACCURACY

ST 2411.4 SR 291.6 SS 2190.2
 CRT .9558 CRS -.9706 CST -.9984
 LSA 3268.4 MSA 120.5 SSA 14.8
 EL1 2427.5 EL2 85.2 ALF 6.60

LAUNCH DATE MAY 27 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 482.028

RL 151.57 LAL .00 LOL 245.04 VL 26.885 GAL 2.44 AZL 92.46 HCA 217.50 SMA 129.05 ECC .17949 INC 2.4583 V1 29.396
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.937 GAP 3.90 AZP 88.05 TAL 168.70 TAP 26.20 RCA 105.88 APO 152.21 V2 35.230
 RC 111.351 GL -23.16 GP -10.92 ZAL 73.25 ZAP 134.85 ETS 350.09 ZAE 138.37 ETE 191.01 ZAC 120.30 ETC 11.36 CLP-135.91

PLANETOCENTRIC CONIC

C3 8.584 VHL 2.930 DLA -18.55 RAL 164.41 RAD 6567.3 VEL 11.401 PTH 1.97 VHP 3.823 DPA 5.30 RAP 146.41 ECC 1.1413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 3 1413.56 4.54 355.07 14.46 117.98 9 0 36 813.6 8.25 348.35
 90.00 15 27 43 5295.13 27.22 240.00 18.56 81.88 16 55 59 4695.1 25.81 231.61
 100.00 9 47 12 1187.18 3.56 337.89 13.92 119.70 10 6 59 587.2 7.49 331.30
 100.00 17 0 15 4996.74 28.33 217.85 18.36 80.03 18 23 32 4396.7 26.66 209.45
 110.00 10 31 5 1049.67 1.11 325.93 12.39 124.17 10 48 35 449.7 5.59 319.71
 110.00 18 32 52 4707.02 31.14 195.13 17.64 75.14 19 51 19 4107.0 28.79 186.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3039 TRA .7851 TC3-5.8581 BAU .6801 SGT 4572.5 SGR 700.3 SG3 924.1 ST 2597.8 SR 231.3 SS 2166.4
 RDE -.0989 RRA .2034 RC3 -.8982 FAU .11520 RRT .9304 RRF .9367 RTF .9834 CRT .9253 CRS -.9441 CST -.9985
 FDE-3.2537 FRA 2.5452 FC-11.6181 BSP 14336 SGB 4625.8 R23 .0515 R13 .9839 LSA 3388.2 MSA 122.5 SSA 15.4
 BDE 1.3076 BRA .8110 BC3 5.9265 FSP -3002 SG1 4618.8 SG2 254.1 THA 8.13 EL1 2606.6 EL2 87.4 ALF 4.71

LAUNCH DATE MAY 27 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 488.177

RL 151.57 LAL .00 LOL 245.04 VL 26.866 GAL 2.64 AZL 92.55 HCA 220.74 SMA 128.91 ECC .18147 INC 2.5533 V1 29.396
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.928 GAP 4.30 AZP 88.06 TAL 167.94 TAP 28.69 RCA 105.52 APO 152.31 V2 35.236
 RC 113.598 GL -23.52 GP -9.79 ZAL 71.83 ZAP 137.83 ETS 350.15 ZAE 136.83 ETE 189.41 ZAC 119.72 ETC 12.01 CLP-138.77

PLANETOCENTRIC CONIC

C3 8.978 VHL 2.996 DLA -19.50 RAL 165.68 RAD 6567.3 VEL 11.418 PTH 1.98 VHP 3.972 DPA 6.26 RAP 147.13 ECC 1.1478
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 18 1383.96 5.49 353.41 16.49 117.82 9 15 22 784.0 9.17 346.66
 90.00 15 22 33 5341.88 27.62 243.36 20.82 83.51 16 51 35 4741.9 26.44 234.89
 100.00 10 1 26 1160.86 4.45 336.44 15.92 119.59 10 20 47 560.9 8.36 329.83
 100.00 16 56 6 5040.21 28.80 220.99 20.64 81.62 18 20 7 4440.2 27.34 212.50
 110.00 10 43 21 1029.50 1.88 324.88 14.33 124.14 11 0 31 429.5 6.35 318.64
 110.00 18 30 41 4744.33 31.76 197.86 19.98 76.65 19 49 45 4144.3 29.60 189.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4209 TRA .8767 TC3-5.8430 BAU .7077 SGT 4775.6 SGR 629.9 SG3 862.5 ST 2770.8 SR 181.4 SS 2136.0
 RDE -.0714 RRA .1949 RC3 -.7860 FAU .10628 RRT .9054 RRF .9087 RTF .9835 CRT .8669 CRS -.8912 CST -.9986
 FDE-3.1557 FRA 2.4901 FC-10.2483 BSP 14984 SGB 4816.9 R23 .0365 R13 .9837 LSA 3501.1 MSA 123.8 SSA 16.0
 BDE 1.4227 BRA .8981 BC3 5.8957 FSP -2811 SG1 4809.6 SG2 265.6 THA 6.83 EL1 2775.3 EL2 90.3 ALF 3.25

LAUNCH DATE MAY 27 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 494.304

RL 151.57 LAL .00 LOL 245.04 VL 26.845 GAL 2.85 AZL 92.64 HCA 223.98 SMA 128.77 ECC .18363 INC 2.6366 V1 29.396
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.919 GAP 4.69 AZP 88.10 TAL 167.16 TAP 31.14 RCA 105.13 APO 152.42 V2 35.241
 RC 115.842 GL -23.72 GP -8.83 ZAL 70.35 ZAP 140.58 ETS 350.20 ZAE 135.41 ETE 188.18 ZAC 118.96 ETC 12.53 CLP-141.42

PLANETOCENTRIC CONIC

C3 9.402 VHL 3.066 DLA -20.33 RAL 167.06 RAD 6567.3 VEL 11.436 PTH 1.98 VHP 4.130 DPA 6.98 RAP 147.99 ECC 1.1547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 7 10 1358.28 6.30 351.96 18.66 117.66 9 29 48 758.3 9.96 345.19
 90.00 15 18 42 5385.42 27.92 246.51 23.18 85.07 16 48 27 4785.4 26.94 237.98
 100.00 10 15 18 1138.39 5.20 335.19 18.06 119.48 10 34 17 538.4 9.09 328.56
 100.00 16 53 15 5080.55 29.16 223.94 23.04 83.12 18 17 55 4480.5 27.90 215.36
 110.00 10 55 21 1012.87 2.52 324.01 16.40 124.10 11 12 14 412.9 6.98 317.76
 110.00 18 29 41 4778.83 32.28 200.42 22.44 78.08 19 49 20 4178.8 30.30 191.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5338 TRA .9758 TC3-5.7946 BAU .7336 SGT 4962.1 SGR 574.8 SG3 803.7 ST 2926.7 SR 142.0 SS 2096.2
 RDE -.0456 RRA .1888 RC3 -.6949 FAU .09785 RRT .8731 RRF .8732 RTF .9834 CRT .7497 CRS -.7813 CST -.9987
 FDE-3.0439 FRA 2.4397 FC3-9.0103 BSP 15595 SGB 4995.3 R23 .0243 R13 .9836 LSA 3600.5 MSA 125.4 SSA 16.4
 BDE 1.5345 BRA .9939 BC3 5.8361 FSP -2631 SG1 4987.5 SG2 278.8 THA 5.79 EL1 2928.7 EL2 93.9 ALF 2.09

LAUNCH DATE MAY 27 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 500.409

RL 151.57 LAL .00 LOL 245.04 VL 26.823 GAL 3.07 AZL 92.71 HCA 227.23 SMA 128.63 ECC .18597 INC 2.7107 V1 29.396
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.907 GAP 5.09 AZP 88.16 TAL 166.33 TAP 33.56 RCA 104.71 APO 152.55 V2 35.246
 RC 118.080 GL -23.79 GP -8.02 ZAL 68.82 ZAP 143.14 ETS 350.22 ZAE 134.11 ETE 187.20 ZAC 118.05 ETC 12.95 CLP-143.90

PLANETOCENTRIC CONIC

C3 9.861 VHL 3.140 DLA -21.05 RAL 168.54 RAD 6567.4 VEL 11.456 PTH 1.99 VHP 4.297 DPA 7.50 RAP 148.99 ECC 1.1623
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 42 1336.05 7.00 350.70 20.96 117.51 9 43 58 736.0 10.63 343.90
 90.00 15 15 57 5426.42 28.12 249.49 25.65 86.55 16 46 24 4826.4 27.35 240.91
 100.00 10 28 51 1119.30 5.84 334.14 20.33 119.37 10 47 31 519.3 9.71 327.49
 100.00 16 51 29 5118.40 29.44 226.72 25.53 84.56 18 16 47 4518.4 28.37 218.08
 110.00 11 7 8 999.35 3.04 323.30 18.59 124.06 11 23 47 399.3 7.49 317.04
 110.00 18 29 42 4811.12 32.71 202.84 25.00 79.45 19 49 53 4211.1 30.91 194.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6424 TRA 1.0834 TC3-5.7100 BAU .7572 SGT 5131.0 SGR 531.7 SG3 747.7 ST 3065.2 SR 115.6 SS 2048.5
 RDE -.0212 RRA .1846 RC3 -.6186 FAU .08977 RRT .8334 RRF .8302 RTF .9832 CRT .5250 CRS -.5649 CST -.9988
 FDE-2.9232 FRA 2.3959 FC3-7.8815 BSP 16142 SGB 5158.4 R23 .0147 R13 .9833 LSA 3686.2 MSA 127.5 SSA 16.8
 BDE 1.6425 BRA 1.0990 BC3 5.7434 FSP -2454 SG1 5150.1 SG2 292.7 THA 4.95 EL1 3065.8 EL2 98.3 ALF 1.14

LAUNCH DATE MAY 27 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 506.492

RL 151.57 LAL .00 LOL 245.04 VL 26.800 GAL 3.31 AZL 92.78 HCA 230.47 SMA 128.47 ECC .18851 INC 2.7775 V1 29.396
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.895 GAP 5.49 AZP 88.23 TAL 165.48 TAP 35.95 RCA 104.26 APO 152.69 V2 35.250
 RC 120.312 GL -23.75 GP -7.32 ZAL 67.25 ZAP 145.51 ETS 350.22 ZAE 132.93 ETE 186.43 ZAC 116.99 ETC 13.27 CLP-146.21

PLANETOCENTRIC CONIC

C3 10.362 VHL 3.219 OLA -21.70 RAL 170.10 RAD 6567.4 VEL 11.478 PTH 2.00 VHP 4.472 DPA 7.85 RAP 150.10 ECC 1.1705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 35 55 1316.96 7.60 349.62 23.36 117.36 9 57 52 717.0 11.21 342.80
 90.00 15 14 11 5465.32 28.25 252.33 28.21 87.97 16 45 17 4865.3 27.67 243.72
 100.00 10 42 7 1103.32 6.37 333.25 22.69 119.27 11 0 30 503.3 10.23 326.58
 100.00 16 50 41 5154.20 29.64 229.36 28.12 85.94 18 16 35 4554.2 28.76 220.67
 110.00 11 18 42 988.67 3.44 322.75 20.88 124.03 11 35 10 388.7 7.89 316.48
 110.00 18 30 36 4841.61 33.06 205.15 27.66 80.78 19 51 17 4241.6 31.44 196.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7487 TRA 1.1983 TC3-5.6009 BAU .7797 SGT 5287.7 SGR 498.6 SG3 695.8 ST 3189.6 SR 105.0 SS 1997.8
 RDE .0020 RRA .1817 RC3 -.5547 FAU .08237 RRT .7872 RRF .7805 RTF .9829 CRT .1855 CRS -.2306 CST -.9989
 FDE-2.8027 FRA 2.3544 FC3-6.8819 BSP 16669 SGB 5311.1 R23 .0067 R13 .9830 LSA 3762.8 MSA 129.8 SSA 17.1
 BDE 1.7487 BRA 1.2120 BC3 5.6283 FSP -2293 SG1 5302.3 SG2 306.7 THA 4.26 EL1 3189.7 EL2 103.2 ALF .35

LAUNCH DATE MAY 27 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 512.550

RL 151.57 LAL .00 LOL 245.04 VL 26.776 GAL 3.56 AZL 92.84 HCA 233.72 SMA 128.32 ECC .19124 INC 2.8382 V1 29.396
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.881 GAP 5.89 AZP 88.32 TAL 164.60 TAP 38.32 RCA 103.78 APO 152.85 V2 35.253
 RC 122.538 GL -23.62 GP -6.72 ZAL 65.64 ZAP 147.74 ETS 350.17 ZAE 131.86 ETE 185.81 ZAC 115.81 ETC 13.52 CLP-148.37

PLANETOCENTRIC CONIC

C3 10.911 VHL 3.303 OLA -22.27 RAL 171.73 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 4.654 DPA 8.06 RAP 151.32 ECC 1.1796
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 50 1300.84 8.10 348.70 25.86 117.23 10 11 31 700.8 11.69 341.86
 90.00 15 13 18 5502.44 28.31 255.05 30.85 89.33 16 45 0 4902.4 27.92 246.40
 100.00 10 55 5 1090.25 6.81 332.52 25.16 119.18 11 13 15 490.3 10.65 325.84
 100.00 16 50 44 5188.27 29.78 231.88 30.80 87.26 18 17 12 4588.3 29.08 223.15
 110.00 11 30 2 980.67 3.75 322.33 23.27 124.00 11 46 23 380.7 8.19 316.05
 110.00 18 32 16 4870.62 33.36 207.37 30.41 82.05 19 53 27 4270.6 31.90 198.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8492 TRA 1.3252 TC3-5.4539 BAU .7989 SGT 5425.8 SGR 473.5 SG3 646.8 ST 3294.8 SR 110.3 SS 1939.7
 RDE .0246 RRA .1801 RC3 -.4984 FAU .07518 RRT .7348 RRF .7249 RTF .9824 CRT -.1662 CRS .1216 CST -.9989
 FDE-2.6760 FRA 2.3238 FC3-5.9652 BSP 17086 SGB 5446.5 R23 .0007 R13 .9824 LSA 3822.5 MSA 133.1 SSA 17.3
 BDE 1.8494 BRA 1.3373 BC3 5.4766 FSP -2130 SG1 5437.0 SG2 320.5 THA 3.68 EL1 3294.8 EL2 108.8 ALF 179.68

LAUNCH DATE MAY 27 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 518.584

RL 151.57 LAL .00 LOL 245.04 VL 26.751 GAL 3.84 AZL 92.89 HCA 236.97 SMA 128.15 ECC .19418 INC 2.8941 V1 29.396
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.866 GAP 6.29 AZP 88.42 TAL 163.69 TAP 40.65 RCA 103.27 APO 153.04 V2 35.256
 RC 124.755 GL -23.40 GP -6.20 ZAL 64.01 ZAP 149.82 ETS 350.10 ZAE 130.89 ETE 185.30 ZAC 114.52 ETC 13.70 CLP-150.40

PLANETOCENTRIC CONIC

C3 11.517 VHL 3.394 OLA -22.77 RAL 173.42 RAD 6567.4 VEL 11.528 PTH 2.01 VHP 4.844 DPA 8.15 RAP 152.65 ECC 1.1895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 24 1287.65 8.51 347.95 28.46 117.11 10 24 52 687.6 12.08 341.09
 90.00 15 13 13 5537.96 28.31 257.64 33.58 90.63 16 45 31 4938.0 28.10 248.99
 100.00 11 7 43 1080.04 7.15 331.95 27.72 119.10 11 25 43 480.0 10.97 325.26
 100.00 16 51 35 5220.80 29.86 234.30 33.57 88.53 18 18 36 4620.8 29.34 225.53
 110.00 11 41 9 975.25 3.95 322.04 25.75 123.98 11 57 24 375.2 8.39 315.76
 110.00 18 34 39 4898.36 33.60 209.49 33.25 83.29 19 56 17 4298.4 32.31 200.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9504 TRA 1.4580 TC3-5.2952 BAU .8183 SGT 5557.6 SGR 454.8 SG3 602.3 ST 3390.6 SR 126.0 SS 1883.8
 RDE .0463 RRA .1789 RC3 -.4502 FAU .06884 RRT .6786 RRF .6654 RTF .9821 CRT -.4166 CRS .3763 CST -.9990
 FDE-2.5589 FRA 2.2908 FC3-5.1746 BSP 17540 SGB 5576.2 R23 -.0047 R13 .9821 LSA 3878.4 MSA 136.3 SSA 17.4
 BDE 1.9510 BRA 1.4689 BC3 5.3143 FSP -1991 SG1 5566.2 SG2 333.5 THA 3.19 EL1 3391.0 EL2 114.5 ALF 179.11

LAUNCH DATE MAY 27 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 524.590

RL 151.57 LAL .00 LOL 245.04 VL 26.726 GAL 4.12 AZL 92.95 HCA 240.22 SMA 127.99 ECC .19734 INC 2.9461 V1 29.396
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.850 GAP 6.70 AZP 88.54 TAL 162.75 TAP 42.97 RCA 102.73 APO 153.24 V2 35.258
 RC 126.964 GL -23.11 GP -5.75 ZAL 62.35 ZAP 151.78 ETS 349.98 ZAE 130.01 ETE 184.89 ZAC 113.13 ETC 13.83 CLP-152.32

PLANETOCENTRIC CONIC

C3 12.188 VHL 3.491 OLA -23.21 RAL 175.16 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 5.042 DPA 8.12 RAP 154.06 ECC 1.2006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 16 35 1277.35 8.83 347.36 31.13 117.01 10 37 52 677.3 12.39 340.48
 90.00 15 13 53 5572.01 28.26 260.13 36.38 91.88 16 46 45 4972.0 28.22 251.47
 100.00 11 20 0 1072.63 7.39 331.54 30.36 119.05 11 37 53 472.6 11.21 324.83
 100.00 16 53 9 5251.96 29.89 236.61 36.41 89.75 18 20 41 4652.0 29.54 227.83
 110.00 11 51 59 972.34 4.06 321.89 28.30 123.97 12 8 12 372.3 8.50 315.61
 110.00 18 37 39 4925.01 33.79 211.55 36.17 84.50 19 59 44 4325.0 32.66 202.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0496 TRA 1.6009 TC3-5.1152 BAU .8361 SGT 5678.4 SGR 441.1 SG3 561.2 ST 3473.1 SR 146.8 SS 1827.0
 RDE .0677 RRA .1783 RC3 -.4071 FAU .06297 RRT .6195 RRF .6032 RTF .9817 CRT -.5707 CRS .5352 CST -.9990
 FDE-2.4458 FRA 2.2628 FC3-4.4731 BSP 17953 SGB 5695.5 R23 -.0092 R13 .9816 LSA 3924.5 MSA 139.9 SSA 17.4
 BDE 2.0507 BRA 1.6108 BC3 5.1314 FSP -1862 SG1 5685.0 SG2 345.8 THA 2.77 EL1 3474.1 EL2 120.5 ALF 178.62

LAUNCH DATE MAY 27 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 530.569

RL 151.57 LAL .00 LOL 245.04 VL 26.700 GAL 4.43 AZL 92.99 HCA 243.46 SMA 127.82 ECC .20074 INC 2.9948 V1 29.396
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.833 GAP 7.12 AZP 88.66 TAL 161.79 TAP 45.26 RCA 102.16 APO 153.47 V2 35.259
 RC 129.165 GL -22.75 GP -5.35 ZAL 60.68 ZAP 153.63 ETS 349.82 ZAE 129.22 ETE 184.54 ZAC 111.65 ETC 13.91 CLP-154.14

PLANETOCENTRIC CONIC

C3 12.931 VHL 3.596 DLA -23.60 RAL 176.93 RAD 6567.5 VEL 11.590 PTH 2.03 VHP 5.247 DPA 8.00 RAP 155.55 ECC 1.2128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 29 20 1269.99 9.06 346.94 33.87 116.94 10 50 30 670.0 12.60 340.05
 90.00 15 15 17 5604.64 28.16 262.52 39.25 93.07 16 48 42 5004.6 28.29 253.85
 100.00 11 31 54 1068.05 7.54 331.28 33.06 119.01 11 49 42 468.0 11.36 324.57
 100.00 16 55 25 5281.82 29.88 238.83 39.32 90.92 18 23 26 4681.8 29.69 230.03
 110.00 12 2 33 971.94 4.08 321.87 30.93 123.97 12 18 44 371.9 8.51 315.59
 110.00 18 41 15 4950.70 33.94 213.54 39.17 85.67 20 3 46 4350.7 32.97 204.44

DIFFERENTIAL CORRECTIONS

TDE-2.1476 TRA 1.7532 TC3-4.9189 BAU .8527
 RDE .0889 RRA .1779 RC3 -.3681 FAU .05756
 FDE-2.3380 FRA 2.2376 FC3-3.8536 BSP 18351
 BDE 2.1495 BRA 1.7622 BC3 4.9326 FSP -1745

MID-COURSE EXECUTION ACCURACY

SGT 5789.3 SGR 431.1 SG3 523.4
 RRT .5589 RRF .5398 RTF .9812
 SGB 5805.3 R23 -.0129 R13 .9812
 SG1 5794.3 SG2 357.2 THA 2.39

ORBIT DETERMINATION ACCURACY

ST 3543.5 SR 169.5 SS 1770.0
 CRT -.6642 CRS .6325 CST -.9991
 LSA 3962.0 MSA 143.9 SSA 17.3
 EL1 3545.3 EL2 126.7 ALF 178.18

LAUNCH DATE MAY 27 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 536.518

RL 151.57 LAL .00 LOL 245.04 VL 26.674 GAL 4.76 AZL 93.04 HCA 246.71 SMA 127.64 ECC .20438 INC 3.0408 V1 29.396
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.814 GAP 7.55 AZP 88.80 TAL 160.81 TAP 47.53 RCA 101.55 APO 153.73 V2 35.259
 RC 131.355 GL -22.34 GP -5.00 ZAL 59.00 ZAP 155.37 ETS 349.61 ZAE 128.50 ETE 184.25 ZAC 110.09 ETC 13.95 CLP-155.86

PLANETOCENTRIC CONIC

C3 13.758 VHL 3.709 DLA -23.93 RAL 178.73 RAD 6567.5 VEL 11.625 PTH 2.04 VHP 5.460 DPA 7.79 RAP 157.12 ECC 1.2264
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 35 1265.64 9.19 346.69 36.68 116.90 11 2 41 665.6 12.73 339.80
 90.00 15 17 23 5635.90 28.03 264.79 42.18 94.20 16 51 19 5035.9 28.32 256.14
 100.00 11 43 20 1066.31 7.60 331.19 35.82 119.00 12 1 7 466.3 11.41 324.47
 100.00 16 58 19 5310.47 29.83 240.96 42.29 92.03 18 26 49 4710.5 29.79 232.16
 110.00 12 12 46 974.01 4.00 321.98 33.61 123.98 12 29 0 374.0 8.43 315.70
 110.00 18 45 22 4975.53 34.05 215.47 42.24 86.80 20 8 18 4375.5 33.23 206.33

DIFFERENTIAL CORRECTIONS

TDE-2.2407 TRA 1.9199 TC3-4.6966 BAU .8660
 RDE .1103 RRA .1778 RC3 -.3319 FAU .05233
 FDE-2.2302 FRA 2.2205 FC3-3.2929 BSP 18631
 BDE 2.2434 BRA 1.9281 BC3 4.7083 FSP -1626

MID-COURSE EXECUTION ACCURACY

SGT 5886.0 SGR 424.2 SG3 488.1
 RRT .4978 RRF .4765 RTF .9807
 SGB 5901.3 R23 -.0157 R13 .9806
 SG1 5889.8 SG2 367.6 THA 2.06

ORBIT DETERMINATION ACCURACY

ST 3596.9 SR 192.9 SS 1709.9
 CRT -.7224 CRS .6935 CST -.9991
 LSA 3984.5 MSA 148.6 SSA 17.1
 EL1 3599.6 EL2 133.3 ALF 177.78

LAUNCH DATE MAY 27 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 542.435

RL 151.57 LAL .00 LOL 245.04 VL 26.647 GAL 5.10 AZL 93.08 HCA 249.96 SMA 127.47 ECC .20829 INC 3.0846 V1 29.396
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.795 GAP 7.98 AZP 88.94 TAL 159.82 TAP 49.78 RCA 100.91 APO 154.02 V2 35.259
 RC 133.537 GL -21.89 GP -4.69 ZAL 57.32 ZAP 157.03 ETS 349.36 ZAE 127.85 ETE 183.99 ZAC 108.46 ETC 13.97 CLP-157.49

PLANETOCENTRIC CONIC

C3 14.680 VHL 3.831 DLA -24.21 RAL 180.54 RAD 6567.6 VEL 11.665 PTH 2.05 VHP 5.681 DPA 7.50 RAP 158.74 ECC 1.2416
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 53 17 1264.39 9.23 346.62 39.53 116.89 11 14 22 664.4 12.77 339.72
 90.00 15 20 9 5665.76 27.86 266.96 45.17 95.28 16 54 35 5065.8 28.30 258.32
 100.00 11 54 17 1067.46 7.56 331.25 38.64 119.01 12 12 5 467.5 11.38 324.54
 100.00 17 1 50 5337.93 29.75 243.00 45.33 93.10 18 30 48 4737.9 29.86 234.20
 110.00 12 22 38 978.56 3.83 322.22 36.34 123.99 12 38 57 378.6 8.26 315.94
 110.00 18 49 59 4999.59 34.13 217.35 45.37 87.91 20 13 18 4399.6 33.46 208.17

DIFFERENTIAL CORRECTIONS

TDE-2.3365 TRA 2.0936 TC3-4.4740 BAU .8800
 RDE .1316 RRA .1774 RC3 -.2991 FAU .04773
 FDE-2.1333 FRA 2.2017 FC3-2.8150 BSP 18981
 BDE 2.3402 BRA 2.1011 BC3 4.4840 FSP -1527

MID-COURSE EXECUTION ACCURACY

SGT 5978.8 SGR 419.3 SG3 456.1
 RRT .4372 RRF .4139 RTF .9802
 SGB 5993.5 R23 -.0182 R13 .9802
 SG1 5981.6 SG2 376.9 THA 1.76

ORBIT DETERMINATION ACCURACY

ST 3644.1 SR 215.4 SS 1653.9
 CRT -.7608 CRS .7344 CST -.9991
 LSA 4004.7 MSA 153.2 SSA 16.9
 EL1 3647.8 EL2 139.7 ALF 177.42

LAUNCH DATE MAY 27 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 548.318

RL 151.57 LAL .00 LOL 245.04 VL 26.619 GAL 5.47 AZL 93.13 HCA 253.21 SMA 127.29 ECC .21249 INC 3.1266 V1 29.396
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.774 GAP 8.42 AZP 89.10 TAL 158.80 TAP 52.01 RCA 100.24 APO 154.33 V2 35.257
 RC 135.709 GL -21.39 GP -4.42 ZAL 55.65 ZAP 158.62 ETS 349.05 ZAE 127.26 ETE 183.78 ZAC 106.76 ETC 13.97 CLP-159.06

PLANETOCENTRIC CONIC

C3 15.708 VHL 3.963 DLA -24.44 RAL 182.36 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 5.911 DPA 7.14 RAP 160.41 ECC 1.2585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 4 22 1266.31 9.17 346.73 42.43 116.91 11 25 29 666.3 12.71 339.83
 90.00 15 23 36 5694.24 27.67 269.02 48.21 96.29 16 58 30 5094.2 28.25 260.41
 100.00 12 4 43 1071.52 7.43 331.48 41.50 119.04 12 22 34 471.5 11.25 324.77
 100.00 17 5 57 5364.26 29.63 244.95 48.42 94.12 18 35 21 4764.3 29.89 236.15
 110.00 12 32 7 985.59 3.56 322.58 39.11 124.02 12 48 32 385.6 8.00 316.31
 110.00 18 55 2 5022.96 34.17 219.17 48.56 88.99 20 18 45 4423.0 33.65 209.97

DIFFERENTIAL CORRECTIONS

TDE-2.4312 TRA 2.2793 TC3-4.2402 BAU .8922
 RDE .1532 RRA .1766 RC3 -.2685 FAU .04345
 FDE-2.0414 FRA 2.1860 FC3-2.3944 BSP 19289
 BDE 2.4360 BRA 2.2861 BC3 4.2487 FSP -1434

MID-COURSE EXECUTION ACCURACY

SGT 6062.0 SGR 416.0 SG3 426.4
 RRT .3775 RRF .3525 RTF .9798
 SGB 6076.3 R23 -.0203 R13 .9797
 SG1 6064.1 SG2 385.1 THA 1.49

ORBIT DETERMINATION ACCURACY

ST 3679.9 SR 237.1 SS 1598.6
 CRT -.7870 CRS .7625 CST -.9992
 LSA 4016.0 MSA 158.0 SSA 16.7
 EL1 3684.6 EL2 146.1 ALF 177.09

LAUNCH DATE MAY 27 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 554.163

RL 151.57 LAL .00 LOL 245.04 VL 26.592 GAL 5.86 AZL 93.17 MCA 256.45 SMA 127.11 ECC .21699 INC 3.1672 V1 29.396
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.753 GAP 8.88 AZP 89.26 TAL 157.78 TAP 54.23 RCA 99.52 APO 154.69 V2 35.255
 RC 137.871 GL -20.85 GP -4.17 ZAL 53.98 ZAP 160.13 ETS 348.68 ZAE 126.72 ETE 183.59 ZAC 105.01 ETC 13.94 CLP-160.56

PLANETOCENTRIC CONIC

C3 16.858 VHL 4.106 OLA -24.63 RAL 184.18 RAD 6567.7 VEL 11.758 PTH 2.08 VHP 6.151 DPA 6.72 RAP 162.14 ECC 1.2774
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 14 48 1271.48 9.01 347.02 45.36 116.96 11 35 59 671.5 12.56 340.14
 90.00 15 27 42 5721.31 27.45 270.97 51.30 97.25 17 3 3 5121.3 28.17 262.38
 100.00 12 14 34 1078.53 7.20 331.87 44.39 119.09 12 32 32 478.5 11.02 325.17
 100.00 17 10 37 5389.49 29.49 246.81 51.55 95.09 18 40 26 4789.5 29.89 238.03
 110.00 12 41 10 995.07 3.20 323.08 41.92 124.05 12 57 45 395.1 7.65 316.82
 110.00 19 0 30 5045.71 34.18 220.95 51.80 90.04 20 24 35 4445.7 33.81 211.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5260 TRA 2.4773 TC3-3.9995 BAU .9030 SGT 6137.9 SGR 413.8 SG3 399.2 ST 3706.3 SR 257.6 SS 1545.1
 RDE .1752 RRA .1755 RC3 -.2401 FAU .03947 RRT .3191 RRF .2929 RTF .9793 CRT -.8055 CRS .7826 CST -.9992
 FDE-1.9556 FRA 2.1736 FC3-2.0269 BSP 19582 SGB 6151.9 R23 -.0220 R13 .9793 LSA 4020.4 MSA 162.8 SSA 16.4
 BDE 2.5321 BRA 2.4835 BC3 4.0067 FSP -1348 SG1 6139.4 SG2 392.1 THA 1.24 EL1 3712.1 EL2 152.4 ALF 176.79

LAUNCH DATE MAY 27 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 559.968

RL 151.57 LAL .00 LOL 245.04 VL 26.563 GAL 6.28 AZL 93.21 MCA 259.70 SMA 126.92 ECC .22183 INC 3.2067 V1 29.396
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.730 GAP 9.35 AZP 89.43 TAL 156.74 TAP 56.44 RCA 98.77 APO 155.08 V2 35.253
 RC 140.023 GL -20.29 GP -3.95 ZAL 52.33 ZAP 161.58 ETS 348.24 ZAE 126.22 ETE 183.42 ZAC 103.21 ETC 13.91 CLP-162.00

PLANETOCENTRIC CONIC

C3 18.147 VHL 4.260 OLA -24.77 RAL 185.99 RAD 6567.7 VEL 11.812 PTH 2.09 VHP 6.402 DPA 6.25 RAP 163.90 ECC 1.2986
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 24 31 1279.93 8.75 347.51 48.32 117.04 11 45 51 679.9 12.31 340.63
 90.00 15 32 25 5746.99 27.21 272.82 54.44 98.14 17 8 12 5147.0 28.06 264.25
 100.00 12 23 49 1088.48 6.87 332.42 47.30 119.16 12 41 57 488.5 10.70 325.74
 100.00 17 15 48 5413.68 29.34 248.59 54.74 96.02 18 46 2 4813.7 29.86 239.83
 110.00 12 49 48 1006.99 2.74 323.70 44.75 124.09 13 6 35 407.0 7.20 317.45
 110.00 19 6 19 5067.93 34.17 222.69 55.09 91.07 20 30 47 4467.9 33.94 213.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6166 TRA 2.6920 TC3-3.7456 BAU .9102 SGT 6202.5 SGR 412.5 SG3 373.9 ST 3718.4 SR 277.0 SS 1490.4
 RDE .1977 RRA .1739 RC3 -.2134 FAU .03560 RRT .2625 RRF .2358 RTF .9788 CRT -.8184 CRS .7965 CST -.9992
 FDE-1.8708 FRA 2.1673 FC3-1.6982 BSP 19760 SGB 6216.2 R23 -.0230 R13 .9788 LSA 4012.0 MSA 168.2 SSA 16.1
 BDE 2.6241 BRA 2.6976 BC3 3.7517 FSP -1261 SG1 6203.5 SG2 397.9 THA 1.00 EL1 3725.3 EL2 158.9 ALF 176.50

LAUNCH DATE MAY 27 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 565.727

RL 151.57 LAL .00 LOL 245.04 VL 26.535 GAL 6.72 AZL 93.25 MCA 262.95 SMA 126.74 ECC .22702 INC 3.2454 V1 29.396
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.707 GAP 9.84 AZP 89.60 TAL 155.69 TAP 58.64 RCA 97.97 APO 155.51 V2 35.249
 RC 142.165 GL -19.70 GP -3.76 ZAL 50.71 ZAP 162.98 ETS 347.72 ZAE 125.77 ETE 183.26 ZAC 101.36 ETC 13.87 CLP-163.39

PLANETOCENTRIC CONIC

C3 19.592 VHL 4.426 OLA -24.88 RAL 187.79 RAD 6567.8 VEL 11.873 PTH 2.11 VHP 6.664 DPA 5.72 RAP 165.70 ECC 1.3224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 33 29 1291.71 8.39 348.18 51.29 117.14 11 55 1 691.7 11.96 341.32
 90.00 15 37 45 5771.30 26.97 274.55 57.61 98.98 17 13 56 5171.3 27.93 266.02
 100.00 12 32 26 1101.37 6.44 333.14 50.23 119.25 12 50 48 501.4 10.29 326.47
 100.00 17 21 29 5436.87 29.16 250.29 57.96 96.90 18 52 6 4836.9 29.81 241.55
 110.00 12 57 57 1021.33 2.20 324.45 47.61 124.12 13 14 59 421.3 6.66 318.21
 110.00 19 12 27 5089.67 34.13 224.38 58.42 92.07 20 37 17 4489.7 34.04 215.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7118 TRA 2.9161 TC3-3.4992 BAU .9179 SGT 6263.3 SGR 411.4 SG3 350.8 ST 3726.7 SR 294.8 SS 1440.5
 RDE .2206 RRA .1714 RC3 -.1888 FAU .03219 RRT .2069 RRF .1799 RTF .9784 CRT -.8284 CRS .8075 CST -.9993
 FDE-1.7957 FRA 2.1597 FC3-1.4222 BSP 20014 SGB 6276.8 R23 -.0239 R13 .9784 LSA 4002.5 MSA 173.0 SSA 15.7
 BDE 2.7207 BRA 2.9211 BC3 3.5043 FSP -1188 SG1 6263.9 SG2 402.5 THA .78 EL1 3734.7 EL2 164.8 ALF 176.24

LAUNCH DATE MAY 27 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 571.438

RL 151.57 LAL .00 LOL 245.04 VL 26.506 GAL 7.19 AZL 93.28 MCA 266.19 SMA 126.56 ECC .23261 INC 3.2836 V1 29.396
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.683 GAP 10.34 AZP 89.78 TAL 154.64 TAP 60.83 RCA 97.12 APO 155.99 V2 35.245
 RC 144.295 GL -19.09 GP -3.58 ZAL 49.11 ZAP 164.33 ETS 347.11 ZAE 125.34 ETE 183.12 ZAC 99.48 ETC 13.83 CLP-164.73

PLANETOCENTRIC CONIC

C3 21.217 VHL 4.606 OLA -24.94 RAL 189.55 RAD 6567.9 VEL 11.941 PTH 2.13 VHP 6.939 DPA 5.15 RAP 167.52 ECC 1.3492
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 41 41 1306.79 7.92 349.04 54.27 117.28 12 3 28 706.8 11.51 342.20
 90.00 15 43 39 5794.28 26.71 276.19 60.82 99.76 17 20 14 5194.3 27.79 267.69
 100.00 12 40 25 1117.16 5.91 334.02 53.18 119.35 12 59 2 517.2 9.78 327.37
 100.00 17 27 36 5459.14 28.96 251.92 61.21 97.73 18 58 36 4859.1 29.73 243.20
 110.00 13 5 39 1038.04 1.56 325.33 50.48 124.15 13 22 57 438.0 6.03 319.09
 110.00 19 18 52 5111.02 34.06 226.05 61.78 93.06 20 44 3 4511.0 34.11 216.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8076 TRA 3.1545 TC3-3.2524 BAU .9237 SGT 6316.7 SGR 410.7 SG3 329.4 ST 3727.0 SR 311.3 SS 1392.5
 RDE .2440 RRA .1680 RC3 -.1660 FAU .02900 RRT .1526 RRF .1257 RTF .9781 CRT -.8358 CRS .8159 CST -.9993
 FDE-1.7255 FRA 2.1549 FC3-1.1832 BSP 20246 SGB 6330.0 R23 -.0245 R13 .9781 LSA 3986.8 MSA 177.8 SSA 15.4
 BDE 2.8182 BRA 3.1590 BC3 3.2566 FSP -1120 SG1 6317.0 SG2 405.8 THA .57 EL1 3736.1 EL2 170.5 ALF 176.00

LAUNCH DATE MAY 27 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 577.093

RL 151.57 LAL .00 LOL 245.04 VL 26.477 GAL 7.69 AZL 93.32 HCA 269.44 SMA 126.37 ECC .23862 INC 3.3214 V1 29.396
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.658 GAP 10.86 AZP 89.97 TAL 153.58 TAP 63.02 RCA 96.22 APO 156.53 V2 35.240
 RC 146.414 GL -18.46 GP -3.42 ZAL 47.54 ZAP 165.63 ETS 346.38 ZAE 124.95 ETE 183.00 ZAC 97.56 ETC 13.79 CLP-166.04

PLANETOCENTRIC CONIC

C3 23.046 VHL 4.801 DLA -24.97 RAL 191.29 RAD 6567.9 VEL 12.018 PTH 2.15 VHP 7.228 DPA 4.54 RAP 169.37 ECC 1.3793
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 49 7 1325.10 7.35 350.08 57.25 117.42 12 11 12 725.1 10.96 343.27
 90.00 15 50 6 5816.01 26.45 277.73 64.07 100.49 17 27 2 5216.0 27.63 269.26
 100.00 12 47 45 1135.79 5.29 335.05 56.13 119.46 13 6 41 535.8 9.18 328.42
 100.00 17 34 9 5480.56 28.76 253.48 64.50 98.53 19 5 29 4880.6 29.64 244.79
 110.00 13 12 51 1057.07 .83 326.32 53.36 124.17 13 30 28 457.1 5.31 320.10
 110.00 19 25 32 5132.05 33.97 227.68 65.17 94.02 20 51 4 4532.0 34.16 218.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9042 TRA 3.4089 TC3-3.0060 BAU .9273 SGT 6362.9 SGR 409.9 SG3 309.6 ST 3719.4 SR 326.3 SS 1346.5
 RDE .2680 RRA .1636 RC3 -.1449 FAU .02599 RRT .0997 RRF .0733 RTF .9778 CRT -.8413 CRS .8222 CST -.9993
 FDE-1.6599 FRA 2.1532 FC3 -.9761 BSP 20445 SGB 6376.0 R23 -.0248 R13 .9778 LSA 3964.9 MSA 182.3 SSA 15.0
 BOE 2.9165 BRA 3.4128 BC3 3.0095 FSP -1056 SG1 6363.0 SG2 407.9 THA .37 EL1 3729.6 EL2 175.9 ALF 175.77

LAUNCH DATE MAY 27 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 582.687

RL 151.57 LAL .00 LOL 245.04 VL 26.448 GAL 8.22 AZL 93.36 HCA 272.68 SMA 126.19 ECC .24511 INC 3.3592 V1 29.396
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.632 GAP 11.41 AZP 90.16 TAL 152.53 TAP 65.21 RCA 95.26 APO 157.12 V2 35.234
 RC 148.521 GL -17.82 GP -3.28 ZAL 46.01 ZAP 166.90 ETS 345.52 ZAE 124.58 ETE 182.88 ZAC 95.61 ETC 13.75 CLP-167.31

PLANETOCENTRIC CONIC

C3 25.111 VHL 5.011 DLA -24.96 RAL 192.99 RAD 6568.0 VEL 12.103 PTH 2.17 VHP 7.533 DPA 3.89 RAP 171.24 ECC 1.4133
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 55 47 1346.58 6.67 351.30 60.22 117.58 12 18 13 746.6 10.31 344.51
 90.00 15 57 1 5836.59 26.19 279.18 67.34 101.17 17 34 17 5236.6 27.47 270.74
 100.00 12 54 26 1157.18 4.57 336.23 59.07 119.57 13 13 44 557.2 8.48 329.62
 100.00 17 41 2 5501.22 28.54 254.98 67.81 99.29 19 12 43 4901.2 29.53 246.31
 110.00 13 19 34 1078.35 .02 327.43 56.24 124.18 13 37 32 478.4 4.50 321.21
 110.00 19 32 24 5152.81 33.86 229.29 68.59 94.97 20 58 17 4552.8 34.18 220.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0027 TRA 3.6794 TC3-2.7636 BAU .9287 SGT 6402.5 SGR 409.2 SG3 291.3 ST 3705.6 SR 339.8 SS 1303.0
 RDE .2925 RRA .1581 RC3 -.1256 FAU .02317 RRT .0478 RRF .0223 RTF .9777 CRT -.8456 CRS .8272 CST -.9994
 FDE-1.5992 FRA 2.1542 FC3 -.7990 BSP 20633 SGB 6415.5 R23 -.0246 R13 .9777 LSA 3938.3 MSA 186.6 SSA 14.7
 BOE 3.0169 BRA 3.6828 BC3 2.7664 FSP -997 SG1 6402.5 SG2 408.7 THA .18 EL1 3716.8 EL2 180.8 ALF 175.56

LAUNCH DATE MAY 27 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 588.213

RL 151.57 LAL .00 LOL 245.04 VL 26.419 GAL 8.79 AZL 93.40 HCA 275.92 SMA 126.00 ECC .25211 INC 3.3972 V1 29.396
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.606 GAP 11.98 AZP 90.35 TAL 151.47 TAP 67.40 RCA 94.24 APO 157.77 V2 35.228
 RC 150.615 GL -17.18 GP -3.15 ZAL 44.51 ZAP 168.13 ETS 344.47 ZAE 124.22 ETE 182.76 ZAC 93.65 ETC 13.71 CLP-168.55

PLANETOCENTRIC CONIC

C3 27.446 VHL 5.239 DLA -24.92 RAL 194.66 RAD 6568.1 VEL 12.199 PTH 2.19 VHP 7.855 DPA 3.22 RAP 173.13 ECC 1.4517
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 1 41 1371.08 5.90 352.68 63.19 117.75 12 24 32 771.1 9.57 345.92
 90.00 16 4 22 5856.14 25.92 280.55 70.63 101.81 17 41 58 5256.1 27.29 272.15
 100.00 13 0 29 1181.23 3.76 337.56 62.02 119.68 13 20 10 581.2 7.69 330.97
 100.00 17 48 15 5521.22 28.31 256.42 71.15 100.01 19 20 16 4921.2 29.40 247.79
 110.00 13 25 48 1101.83 -.88 328.65 59.12 124.17 13 44 10 501.8 3.61 322.44
 110.00 19 39 25 5173.39 33.73 230.89 72.03 95.90 21 5 38 4573.4 34.18 221.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1000 TRA 3.9706 TC3-2.5209 BAU .9259 SGT 6434.3 SGR 408.3 SG3 274.3 ST 3683.0 SR 351.7 SS 1260.7
 RDE .3177 RRA .1511 RC3 -.1079 FAU .02043 RRT -.0025 RRF -.0266 RTF .9775 CRT -.8485 CRS .8306 CST -.9994
 FDE-1.5408 FRA 2.1598 FC3 -.6443 BSP 20717 SGB 6447.2 R23 .0241 R13 -.9775 LSA 3903.9 MSA 190.7 SSA 14.3
 BOE 3.1162 BRA 3.9735 BC3 2.5232 FSP -937 SG1 6434.3 SG2 408.3 THA 179.99 EL1 3695.1 EL2 185.5 ALF 175.36

LAUNCH DATE MAY 27 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 593.660

RL 151.57 LAL .00 LOL 245.04 VL 26.390 GAL 9.40 AZL 93.44 HCA 279.17 SMA 125.82 ECC .25968 INC 3.4356 V1 29.396
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.579 GAP 12.58 AZP 90.55 TAL 150.43 TAP 69.59 RCA 93.15 APO 158.49 V2 35.221
 RC 152.696 GL -16.52 GP -3.03 ZAL 43.06 ZAP 169.34 ETS 343.20 ZAE 123.88 ETE 182.66 ZAC 91.66 ETC 13.69 CLP-169.77

PLANETOCENTRIC CONIC

C3 30.094 VHL 5.486 DLA -24.85 RAL 196.27 RAD 6568.2 VEL 12.307 PTH 2.22 VHP 8.197 DPA 2.51 RAP 175.03 ECC 1.4953
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 51 1398.46 5.03 354.22 66.14 117.90 12 30 10 798.5 8.72 347.49
 90.00 16 12 4 5874.78 25.66 281.84 73.94 102.41 17 49 59 5274.8 27.11 273.48
 100.00 13 5 54 1207.83 2.87 339.02 64.95 119.77 13 26 2 607.8 6.81 332.45
 100.00 17 55 43 5540.64 28.07 257.81 74.49 100.71 19 28 3 4940.6 29.27 249.21
 110.00 13 31 32 1127.41 -1.86 329.99 62.00 124.14 13 50 20 527.4 2.63 323.78
 110.00 19 46 34 5193.83 33.58 232.46 75.48 96.82 21 13 8 4593.8 34.16 223.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2036 TRA 4.2775 TC3-2.2898 BAU .9220 SGT 6461.3 SGR 407.1 SG3 258.6 ST 3658.3 SR 362.0 SS 1222.6
 RDE .3434 RRA .1427 RC3 -.0919 FAU .01794 RRT -.0525 RRF -.0750 RTF .9775 CRT -.8510 CRS .8337 CST -.9994
 FDE-1.4895 FRA 2.1663 FC3 -.5161 BSP 20868 SGB 6474.1 R23 .0235 R13 -.9775 LSA 3869.2 MSA 194.1 SSA 14.0
 BOE 3.2220 BRA 4.2799 BC3 2.2917 FSP -885 SG1 6461.3 SG2 406.6 THA 179.81 EL1 3671.3 EL2 189.5 ALF 175.17

LAUNCH DATE MAY 27 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 599.018

RL 151.57 LAL .00 LOL 245.04 VL 26.361 GAL 10.05 AZL 93.47 HCA 282.41 SMA 125.64 ECC .26789 INC 3.4747 V1 29.396
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.552 GAP 13.22 AZP 90.75 TAL 149.39 TAP 71.80 RCA 91.98 APO 159.29 V2 35.214
 RC 154.762 GL -15.87 GP -2.92 ZAL 41.65 ZAP 170.52 ETS 341.61 ZAE 123.55 ETE 182.55 ZAC 89.66 ETC 13.67 CLP-170.98

PLANETOCENTRIC CONIC

C3 33.104 VHL 5.754 OLA -24.75 RAL 197.83 RAD 6568.3 VEL 12.429 PTH 2.25 VHP 8.561 DPA 1.79 RAP 176.93 ECC 1.5448
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO GST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 11 19 1428.55 4.06 355.91 69.08 118.05 12 35 8 828.6 7.79 349.21
 90.00 16 20 5 604.59 25.39 305.18 77.26 102.97 16 30 10 4.6 26.93 296.85
 100.00 13 10 42 1236.84 1.88 340.62 67.87 119.84 13 31 19 636.8 5.84 334.06
 100.00 18 3 23 5559.58 27.83 259.17 77.85 101.38 19 36 3 4959.6 29.11 250.60
 110.00 13 36 47 1155.01 -2.91 331.43 64.88 124.07 13 56 2 555.0 1.58 325.22
 110.00 19 53 47 5214.17 33.40 234.02 78.94 97.73 21 20 42 4614.2 34.11 224.85

DIFFERENTIAL CORRECTIONS

TDE-3.3109 TRA 4.6046 TC3-2.0663 BAU .9151
 RDE .3697 RRA .1325 RC3 -.0776 FAU .01559
 FDE-1.4425 FRA 2.1758 FC3 -.4078 BSP 21005
 BDE 3.3315 BRA 4.6065 BC3 2.0678 FSP -838

MID-COURSE EXECUTION ACCURACY

SGT 6482.2 SGR 405.7 SG3 244.0
 RRT -.1017 RRF -.1223 RTF .9777
 SGB 6494.9 R23 .0226 R13 -.9777
 SG1 6482.3 SG2 403.6 THA 179.63

ORBIT DETERMINATION ACCURACY

ST 3629.1 SR 370.7 SS 1187.2
 CRT -.8530 CRS .8363 CST -.9994
 LSA 3831.2 MSA 197.0 SSA 13.6
 EL1 3642.9 EL2 192.8 ALF 175.01

LAUNCH DATE MAY 27 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 604.274

RL 151.57 LAL .00 LOL 245.04 VL 26.332 GAL 10.75 AZL 93.51 HCA 285.64 SMA 125.45 ECC .27680 INC 3.5148 V1 29.396
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.523 GAP 13.89 AZP 90.95 TAL 148.38 TAP 74.02 RCA 90.73 APO 160.18 V2 35.205
 RC 156.813 GL -15.21 GP -2.83 ZAL 40.30 ZAP 171.67 ETS 339.58 ZAE 123.23 ETE 182.45 ZAC 87.65 ETC 13.66 CLP-172.16

PLANETOCENTRIC CONIC

C3 36.536 VHL 6.045 OLA -24.62 RAL 199.34 RAD 6568.4 VEL 12.566 PTH 2.28 VHP 8.950 DPA 1.04 RAP 178.84 ECC 1.6013
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 15 6 1461.17 3.02 357.74 71.99 118.17 12 39 27 861.2 6.76 351.06
 90.00 16 28 21 621.78 25.12 306.37 80.59 103.51 16 38 42 21.8 26.74 298.07
 100.00 13 14 54 1268.12 .82 342.33 70.77 119.88 13 36 2 668.1 4.79 335.80
 100.00 18 11 14 5578.10 27.57 260.48 81.21 102.03 19 44 12 4978.1 28.95 251.95
 110.00 13 41 33 1184.53 -4.04 332.97 67.74 123.97 14 1 18 584.5 .45 326.76
 110.00 20 1 4 5234.46 33.21 235.58 82.40 98.63 21 28 19 4634.5 34.04 226.44

DIFFERENTIAL CORRECTIONS

TDE-3.4227 TRA 4.9538 TC3-1.8506 BAU .9045
 RDE .3966 RRA .1206 RC3 -.0650 FAU .01335
 FDE-1.3999 FRA 2.1889 FC3 -.3164 BSP 21123
 BDE 3.4456 BRA 4.9552 BC3 1.8517 FSP -793

MID-COURSE EXECUTION ACCURACY

SGT 6496.9 SGR 404.1 SG3 230.5
 RRT -.1503 RRF -.1687 RTF .9780
 SGB 6509.5 R23 .0214 R13 -.9780
 SG1 6497.2 SG2 399.5 THA 179.46

ORBIT DETERMINATION ACCURACY

ST 3596.0 SR 377.8 SS 1154.7
 CRT -.8546 CRS .8384 CST -.9995
 LSA 3790.4 MSA 199.2 SSA 13.2
 EL1 3610.5 EL2 195.4 ALF 174.85

LAUNCH DATE MAY 27 1967

FLIGHT TIME 218.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 609.413

RL 151.57 LAL .00 LOL 245.04 VL 26.303 GAL 11.50 AZL 93.56 HCA 288.88 SMA 125.27 ECC .28649 INC 3.5562 V1 29.396
 RP 107.67 LAP 3.36 LOP 173.95 VP 37.495 GAP 14.60 AZP 91.15 TAL 147.38 TAP 76.26 RCA 89.38 APO 161.16 V2 35.197
 RC 158.850 GL -14.56 GP -2.74 ZAL 38.99 ZAP 172.81 ETS 336.92 ZAE 122.90 ETE 182.36 ZAC 85.64 ETC 13.67 CLP-173.34

PLANETOCENTRIC CONIC

C3 40.463 VHL 6.361 OLA -24.46 RAL 200.80 RAD 6568.6 VEL 12.721 PTH 2.31 VHP 9.367 DPA .28 RAP 180.75 ECC 1.6659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 18 15 1496.14 1.89 359.69 74.87 118.26 12 43 11 896.1 5.66 353.03
 90.00 16 36 47 638.40 24.85 307.51 83.92 104.02 16 47 25 38.4 26.54 299.25
 100.00 13 18 31 1301.55 -.31 344.17 73.65 119.89 13 40 13 701.5 3.67 337.64
 100.00 18 19 11 5596.27 27.31 261.77 84.57 102.66 19 52 28 4996.3 28.78 253.28
 110.00 13 45 50 1215.88 -5.23 334.62 70.59 123.83 14 6 6 615.9 -.75 328.40
 110.00 20 8 22 5254.70 32.99 237.12 85.85 99.52 21 35 57 4654.7 33.95 228.01

DIFFERENTIAL CORRECTIONS

TDE-3.5355 TRA 5.3316 TC3-1.6396 BAU .8874
 RDE .4240 RRA .1065 RC3 -.0539 FAU .01112
 FDE-1.3594 FRA 2.2076 FC3 -.2380 BSP 21124
 BDE 3.5608 BRA 5.3327 BC3 1.6404 FSP -746

MID-COURSE EXECUTION ACCURACY

SGT 6505.9 SGR 402.1 SG3 217.9
 RRT -.1977 RRF -.2136 RTF .9784
 SGB 6518.3 R23 .0198 R13 -.9784
 SG1 6506.4 SG2 394.1 THA 179.30

ORBIT DETERMINATION ACCURACY

ST 3556.7 SR 383.3 SS 1124.0
 CRT -.8555 CRS .8396 CST -.9995
 LSA 3744.3 MSA 201.1 SSA 12.9
 EL1 3571.8 EL2 197.6 ALF 174.72

LAUNCH DATE MAY 27 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 614.413

RL 151.57 LAL .00 LOL 245.04 VL 26.274 GAL 12.32 AZL 93.60 HCA 292.12 SMA 125.10 ECC .29707 INC 3.5991 V1 29.396
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.466 GAP 15.37 AZP 91.36 TAL 146.42 TAP 78.53 RCA 87.93 APO 162.26 V2 35.187
 RC 160.871 GL -13.90 GP -2.66 ZAL 37.74 ZAP 173.91 ETS 333.27 ZAE 122.57 ETE 182.26 ZAC 83.63 ETC 13.69 CLP-174.52

PLANETOCENTRIC CONIC

C3 44.973 VHL 6.706 OLA -24.28 RAL 202.18 RAD 6568.7 VEL 12.897 PTH 2.35 VHP 9.815 DPA -.50 RAP 182.66 ECC 1.7401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 20 45 1533.26 .69 1.76 77.73 118.31 12 46 19 933.3 4.47 355.12
 90.00 16 45 21 654.53 24.58 308.61 87.24 104.51 16 56 15 54.5 26.34 300.38
 100.00 13 21 34 1336.96 -1.51 346.11 76.50 119.86 13 43 51 737.0 2.47 339.59
 100.00 18 27 13 5614.11 27.03 263.03 87.91 103.27 20 0 47 5014.1 28.59 254.57
 110.00 13 49 38 1248.95 -6.48 336.36 73.42 123.64 14 10 27 648.9 -2.01 330.12
 110.00 20 15 39 5274.88 32.75 238.64 89.29 100.39 21 43 34 4674.9 33.84 229.57

DIFFERENTIAL CORRECTIONS

TDE-3.6596 TRA 5.7308 TC3-1.4429 BAU .8680
 RDE .4521 RRA .0903 RC3 -.0443 FAU .00909
 FDE-1.3257 FRA 2.2280 FC3 -.1749 BSP 21219
 BDE 3.6874 BRA 5.7316 BC3 1.4436 FSP -707

MID-COURSE EXECUTION ACCURACY

SGT 6509.4 SGR 399.9 SG3 206.3
 RRT -.2452 RRF -.2586 RTF .9789
 SGB 6521.7 R23 .0183 R13 -.9790
 SG1 6510.2 SG2 387.6 THA 179.13

ORBIT DETERMINATION ACCURACY

ST 3517.9 SR 387.1 SS 1097.7
 CRT -.8567 CRS .8414 CST -.9995
 LSA 3700.0 MSA 202.0 SSA 12.5
 EL1 3533.6 EL2 198.8 ALF 174.60

LAUNCH DATE MAY 28 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 6 1967

HELIOCENTRIC CONIC

DISTANCE 144.823

RL 151.59 LAL .00 LOL 246.00 VL 19.488 GAL 9.96 AZL 92.86 MCA 52.07 SMA 96.79 ECC .58385 INC 2.8619 V1 29.390
 RP 108.93 LAP -2.26 LOP 298.03 VP 32.645 GAP -35.08 AZP 91.76 TAL 172.73 TAP 224.80 RCA 40.28 APO 153.30 V2 34.790
 RC 54.407 GL -5.13 GP 1.01 ZAL 73.33 ZAP 23.26 ETS 183.80 ZAE 155.91 ETE 159.31 ZAC 122.60 ETC 19.08 CLP 23.24

PLANETOCENTRIC CONIC

C3 114.780 VHL 10.714 DLA -1.83 RAL 171.31 RAD 6570.2 VEL 15.366 PTH 2.75 VHP 20.481 DPA 18.29 RAP 145.02 ECC 2.8890
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 40 32 2576.82 -26.39 65.77 61.79 100.65 7 23 29 1976.8 -24.66 57.53
 90.00 18 11 23 5334.54 27.57 242.83 63.56 83.25 19 40 17 4734.5 26.35 234.38
 100.00 8 1 2 2317.18 -27.88 46.35 61.47 101.25 8 39 39 1717.2 -26.04 38.03
 100.00 19 33 35 5069.41 29.07 223.12 63.35 82.70 20 58 4 4469.4 27.75 214.57
 110.00 9 7 19 2109.68 -31.91 29.60 60.47 102.97 9 42 28 1509.7 -29.80 21.03
 110.00 20 43 47 4849.67 33.15 205.77 62.68 81.13 22 4 36 4249.7 31.57 196.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5590 TRA-1.3467 TC3 -.0925 BAU .1502 SGT 804.9 SGR 447.9 SG3 35.6 ST 369.0 SR 398.5 SS 339.8
 RDE -.7365 RRA -.3774 RC3 .0320 FAU .01491 RRT .0394 RRF -.0374 RTF -.6338 CRT -.7118 CRS -.8145 CST .9856
 FDE -.3207 FRA .5360 FC3 -.1125 BSP 2112 SGB 921.1 R23 -.0013 R13 -.6339 LSA 602.3 MSA 217.8 SSA 13.9
 BDE .9246 BRA 1.3986 BC3 .0979 FSP -75 SG1 805.2 SG2 447.4 THA 1.82 EL1 502.7 EL2 205.4 ALF 131.91

LAUNCH DATE MAY 28 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 151.003

RL 151.59 LAL .00 LOL 246.00 VL 20.078 GAL 9.56 AZL 92.91 MCA 55.23 SMA 98.47 ECC .55734 INC 2.9140 V1 29.390
 RP 108.93 LAP -2.39 LOP 301.19 VP 32.997 GAP -33.38 AZP 91.66 TAL 172.23 TAP 227.45 RCA 43.59 APO 153.35 V2 34.787
 RC 52.748 GL -5.70 GP 1.05 ZAL 72.55 ZAP 21.71 ETS 183.99 ZAE 157.10 ETE 156.77 ZAC 121.05 ETC 18.69 CLP 21.69

PLANETOCENTRIC CONIC

C3 102.694 VHL 10.134 DLA -2.67 RAL 171.81 RAD 6570.0 VEL 14.968 PTH 2.70 VHP 19.586 DPA 17.82 RAP 146.64 ECC 2.6901
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 48 43 2527.88 -25.73 62.33 60.21 102.25 7 30 51 1927.9 -23.79 54.20
 90.00 18 7 11 5337.33 27.59 243.03 62.72 83.35 19 36 8 4737.3 26.38 234.57
 100.00 8 8 49 2269.49 -27.20 42.97 59.84 102.90 8 46 39 1669.5 -25.15 34.77
 100.00 19 29 46 5070.94 29.08 223.24 62.52 82.76 20 54 17 4470.9 27.78 214.68
 110.00 9 14 13 2064.79 -31.18 26.31 58.72 104.79 9 48 38 1464.8 -28.83 17.89
 110.00 20 40 52 4848.41 33.13 205.67 61.84 81.07 22 1 40 4248.4 31.55 196.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5592 TRA-1.3368 TC3 -.0931 BAU .1374 SGT 841.4 SGR 452.3 SG3 38.8 ST 389.3 SR 401.2 SS 359.5
 RDE -.7013 RRA -.3610 RC3 .0368 FAU .01528 RRT .0398 RRF -.0387 RTF -.6543 CRT -.7137 CRS -.8183 CST .9851
 FDE -.3368 FRA .5524 FC3 -.1288 BSP 2270 SGB 955.3 R23 -.0021 R13 -.6544 LSA 626.3 MSA 222.0 SSA 14.2
 BDE .8970 BRA 1.3846 BC3 .1001 FSP -83 SG1 841.7 SG2 451.8 THA 1.72 EL1 517.5 EL2 211.4 ALF 133.79

LAUNCH DATE MAY 28 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 157.252

RL 151.59 LAL .00 LOL 246.00 VL 20.627 GAL 9.15 AZL 92.96 MCA 58.39 SMA 100.13 ECC .53180 INC 2.9622 V1 29.390
 RP 108.94 LAP -2.52 LOP 304.35 VP 33.332 GAP -31.77 AZP 91.55 TAL 171.75 TAP 230.14 RCA 46.88 APO 153.37 V2 34.786
 RC 51.183 GL -6.30 GP 1.09 ZAL 71.87 ZAP 20.18 ETS 184.23 ZAE 158.40 ETE 153.76 ZAC 119.49 ETC 18.31 CLP 20.15

PLANETOCENTRIC CONIC

C3 91.948 VHL 9.589 DLA -3.50 RAL 172.22 RAD 6569.8 VEL 14.605 PTH 2.65 VHP 18.727 DPA 17.35 RAP 148.27 ECC 2.5132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 35 2478.12 -24.97 58.89 58.53 103.81 7 37 53 1878.1 -22.82 50.88
 90.00 18 2 37 5339.37 27.60 243.18 61.73 83.42 19 31 36 4739.4 26.41 234.72
 100.00 8 16 17 2221.00 -26.42 39.58 58.12 104.52 8 53 18 1621.0 -24.16 31.50
 100.00 19 25 36 5071.72 29.09 223.29 61.53 82.79 20 50 7 4471.7 27.79 214.73
 110.00 9 20 47 2019.11 -30.33 23.02 56.88 106.57 9 54 26 1419.1 -27.77 14.76
 110.00 20 37 36 4846.38 33.11 205.52 60.86 80.99 21 58 22 4246.4 31.51 196.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5570 TRA-1.3288 TC3 -.0934 BAU .1260 SGT 880.7 SGR 456.0 SG3 42.4 ST 409.6 SR 403.3 SS 379.8
 RDE -.6669 RRA -.3446 RC3 .0422 FAU .01567 RRT .0422 RRF -.0404 RTF -.6725 CRT -.7136 CRS -.8219 CST .9842
 FDE -.3534 FRA .5690 FC3 -.1475 BSP 2370 SGB 991.7 R23 -.0016 R13 -.6726 LSA 650.6 MSA 226.2 SSA 14.4
 BDE .8689 BRA 1.3727 BC3 .1025 FSP -92 SG1 881.0 SG2 455.4 THA 1.71 EL1 532.1 EL2 217.5 ALF 135.62

LAUNCH DATE MAY 28 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 163.564

RL 151.59 LAL .00 LOL 246.00 VL 21.138 GAL 8.74 AZL 93.01 MCA 61.55 SMA 101.76 ECC .50725 INC 3.0072 V1 29.390
 RP 108.94 LAP -2.64 LOP 307.52 VP 33.649 GAP -30.24 AZP 91.43 TAL 171.31 TAP 232.86 RCA 50.14 APO 153.38 V2 34.784
 RC 49.723 GL -6.94 GP 1.13 ZAL 71.27 ZAP 18.66 ETS 184.53 ZAE 159.77 ETE 150.15 ZAC 117.91 ETC 17.95 CLP 18.62

PLANETOCENTRIC CONIC

C3 82.384 VHL 9.077 DLA -4.33 RAL 172.55 RAD 6569.6 VEL 14.273 PTH 2.60 VHP 17.900 DPA 16.87 RAP 149.90 ECC 2.3558
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 6 2427.62 -24.10 55.44 56.76 105.33 7 44 34 1827.6 -21.77 47.55
 90.00 17 57 40 5340.78 27.62 243.28 60.60 83.47 19 26 41 4740.8 26.42 234.82
 100.00 8 23 25 2171.78 -25.53 36.19 56.31 106.10 8 59 37 1571.8 -23.08 28.25
 100.00 19 21 3 5071.86 29.09 223.30 60.40 82.80 20 45 35 4471.9 27.79 214.74
 110.00 9 27 0 1972.71 -29.39 19.74 54.97 108.30 9 59 53 1372.7 -26.61 11.65
 110.00 20 33 57 4843.69 33.08 205.31 59.73 80.87 21 54 41 4243.7 31.47 196.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5576 TRA-1.3174 TC3 -.0911 BAU .1136 SGT 920.2 SGR 458.9 SG3 46.3 ST 431.9 SR 404.5 SS 401.4
 RDE -.6331 RRA -.3282 RC3 .0483 FAU .01611 RRT .0429 RRF -.0418 RTF -.6914 CRT -.7161 CRS -.8259 CST .9836
 FDE -.3712 FRA .5853 FC3 -.1693 BSP 2532 SGB 1028.3 R23 -.0023 R13 -.6915 LSA 677.1 MSA 229.4 SSA 14.6
 BDE .8437 BRA 1.3576 BC3 .1031 FSP -102 SG1 920.5 SG2 458.3 THA 1.63 EL1 548.3 EL2 222.4 ALF 137.62

LAUNCH DATE MAY 28 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 169.934

RL 151.59 LAL .00 LOL 246.00 VL 21.613 GAL 8.32 AZL 93.05 MCA 64.71 SMA 103.37 ECC .48371 INC 3.0496 V1 29.390
 RP 108.94 LAP -2.76 LOP 310.68 VP 33.949 GAP -28.78 AZP 91.30 TAL 170.91 TAP 235.62 RCA 53.37 APO 153.38 V2 34.784
 RC 48.377 GL -7.61 GP 1.18 ZAL 70.75 ZAP 17.14 ETS 184.91 ZAE 161.19 ETE 145.76 ZAC 116.32 ETC 17.61 CLP 17.10

PLANETOCENTRIC CONIC

C3 73.872 VHL 8.595 DLA -5.16 RAL 172.78 RAD 6569.4 VEL 13.972 PTH 2.55 VHP 17.105 DPA 16.37 RAP 151.54 ECC 2.2157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 11 19 2376.42 -23.14 52.00 54.91 106.79 7 50 55 1776.4 -20.62 44.24
 90.00 17 52 20 5341.73 27.62 243.35 59.34 83.51 19 21 21 4741.7 26.44 234.88
 100.00 8 30 13 2121.87 -24.55 32.81 54.43 107.62 9 5 35 1521.9 -21.91 25.01
 100.00 19 16 6 5071.51 29.09 223.28 59.14 82.78 20 40 38 4471.5 27.78 214.72
 110.00 9 32 53 1925.68 -28.34 16.48 52.99 109.97 10 4 59 1325.7 -25.35 8.57
 110.00 20 29 55 4840.47 33.05 205.07 58.47 80.73 21 50 36 4240.5 31.42 196.22

DIFFERENTIAL CORRECTIONS

TDE .5583 TRA-1.3052 TC3 -.0869 BAU .1015
 RDE -.6001 RRA -.3120 RC3 .0550 FAU .01660
 FDE -.3901 FRA .6015 FC3 -.1946 BSP 2691
 BDE .8196 BRA 1.3420 BC3 .1028 FSP -114

MID-COURSE EXECUTION ACCURACY

SGT 961.3 SGR 461.0 SG3 50.5
 RRT .0439 RRF -.0434 RTF -.7095
 SGB 1066.1 R23 -.0030 R13 -.7096
 SG1 961.6 SG2 460.5 THA 1.56

ORBIT DETERMINATION ACCURACY

ST 455.2 SR 404.9 SS 424.0
 CRT -.7187 CRS -.8301 CST .9831
 LSA 704.9 MSA 231.9 SSA 14.8
 EL1 565.5 EL2 226.6 ALF 139.64

LAUNCH DATE MAY 28 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 176.359

RL 151.59 LAL .00 LOL 246.00 VL 22.055 GAL 7.91 AZL 93.09 MCA 67.87 SMA 104.95 ECC .46119 INC 3.0899 V1 29.390
 RP 108.94 LAP -2.86 LOP 313.84 VP 34.233 GAP -27.38 AZP 91.16 TAL 170.54 TAP 238.42 RCA 56.55 APO 153.36 V2 34.784
 RC 47.155 GL -8.32 GP 1.23 ZAL 70.33 ZAP 15.64 ETS 185.39 ZAE 162.62 ETE 140.40 ZAC 114.73 ETC 17.28 CLP 15.59

PLANETOCENTRIC CONIC

C3 66.294 VHL 8.142 DLA -6.00 RAL 172.92 RAD 6569.3 VEL 13.698 PTH 2.50 VHP 16.339 DPA 15.86 RAP 153.17 ECC 2.0910
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 12 2324.62 -22.08 48.57 52.99 108.20 7 56 56 1724.6 -19.39 40.94
 90.00 17 46 33 5342.36 27.63 243.40 57.94 83.53 19 15 35 4742.4 26.44 234.93
 100.00 8 36 42 2071.38 -23.46 29.45 52.48 109.07 9 11 13 1471.4 -20.65 21.78
 100.00 19 10 44 5070.83 29.08 223.23 57.74 82.76 20 35 15 4470.8 27.77 214.67
 110.00 9 38 26 1878.09 -27.19 13.25 50.96 111.56 10 9 44 1278.1 -24.01 5.52
 110.00 20 25 29 4836.89 33.01 204.79 57.07 80.57 21 46 6 4236.9 31.36 195.96

DIFFERENTIAL CORRECTIONS

TDE .5597 TRA-1.2914 TC3 -.0800 BAU .0900
 RDE -.5678 RRA -.2959 RC3 .0625 FAU .01715
 FDE -.4104 FRA .6177 FC3 -.2240 BSP 2862
 BDE .7973 BRA 1.3249 BC3 .1015 FSP -127

MID-COURSE EXECUTION ACCURACY

SGT 1003.5 SGR 462.4 SG3 55.1
 RRT .0446 RRF -.0448 RTF -.7269
 SGB 1105.0 R23 -.0037 R13 -.7270
 SG1 1003.8 SG2 461.9 THA 1.49

ORBIT DETERMINATION ACCURACY

ST 479.9 SR 404.5 SS 448.0
 CRT -.7221 CRS -.8345 CST .9826
 LSA 734.7 MSA 233.6 SSA 15.0
 EL1 584.0 EL2 229.9 ALF 141.69

LAUNCH DATE MAY 28 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 182.831

RL 151.59 LAL .00 LOL 246.00 VL 22.466 GAL 7.51 AZL 93.13 MCA 71.03 SMA 106.49 ECC .43971 INC 3.1284 V1 29.390
 RP 108.94 LAP -2.96 LOP 317.01 VP 34.500 GAP -26.05 AZP 91.02 TAL 170.22 TAP 241.26 RCA 59.67 APO 153.32 V2 34.785
 RC 46.068 GL -9.06 GP 1.29 ZAL 70.00 ZAP 14.13 ETS 186.01 ZAE 163.99 ETE 133.78 ZAC 113.13 ETC 16.97 CLP 14.08

PLANETOCENTRIC CONIC

C3 59.549 VHL 7.717 DLA -6.83 RAL 172.96 RAD 6569.1 VEL 13.450 PTH 2.46 VHP 15.601 DPA 15.35 RAP 154.80 ECC 1.9800
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 46 2272.28 -20.93 45.17 51.01 109.52 8 2 38 1672.3 -18.07 37.66
 90.00 17 40 20 5342.87 27.63 243.43 56.41 83.55 19 9 23 4742.9 26.45 234.96
 100.00 8 42 51 2020.39 -22.29 26.11 50.48 110.45 9 16 31 1420.4 -19.31 18.59
 100.00 19 4 56 5070.00 29.07 223.17 56.22 82.73 20 29 26 4470.0 27.76 214.61
 110.00 9 43 38 1830.06 -25.95 10.07 48.88 113.08 10 14 8 1230.1 -22.59 2.52
 110.00 20 20 38 4833.09 32.97 204.51 55.54 80.40 21 41 11 4233.1 31.29 195.68

DIFFERENTIAL CORRECTIONS

TDE .5594 TRA-1.2788 TC3 -.0719 BAU .0803
 RDE -.5364 RRA -.2802 RC3 .0707 FAU .01774
 FDE -.4318 FRA .6342 FC3 -.2579 BSP 2981
 BDE .7751 BRA 1.3091 BC3 .1008 FSP -140

MID-COURSE EXECUTION ACCURACY

SGT 1048.4 SGR 463.1 SG3 60.2
 RRT .0469 RRF -.0468 RTF -.7422
 SGB 1146.1 R23 -.0036 R13 -.7422
 SG1 1048.7 SG2 462.4 THA 1.47

ORBIT DETERMINATION ACCURACY

ST 504.8 SR 403.2 SS 473.1
 CRT -.7242 CRS -.8389 CST .9818
 LSA 765.3 MSA 235.2 SSA 15.3
 EL1 602.6 EL2 232.9 ALF 143.69

LAUNCH DATE MAY 28 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 189.347

RL 151.59 LAL .00 LOL 246.00 VL 22.848 GAL 7.11 AZL 93.17 MCA 74.20 SMA 108.00 ECC .41926 INC 3.1655 V1 29.390
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.752 GAP -24.78 AZP 90.86 TAL 169.94 TAP 244.14 RCA 62.72 APO 153.27 V2 34.787
 RC 45.125 GL -9.85 GP 1.35 ZAL 69.76 ZAP 12.63 ETS 186.83 ZAE 165.22 ETE 125.67 ZAC 111.53 ETC 16.68 CLP 12.56

PLANETOCENTRIC CONIC

C3 53.547 VHL 7.318 DLA -7.67 RAL 172.91 RAD 6568.9 VEL 13.225 PTH 2.42 VHP 14.890 DPA 14.83 RAP 156.42 ECC 1.8812
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 1 2219.52 -19.69 41.79 48.98 110.77 8 8 1 1619.5 -16.69 34.40
 90.00 17 33 38 5343.43 27.64 243.47 54.78 83.57 19 2 41 4743.4 26.46 235.00
 100.00 8 48 41 1969.00 -21.03 22.82 48.43 111.75 9 21 30 1369.0 -17.89 15.43
 100.00 18 58 40 5069.18 29.07 223.11 54.58 82.70 20 23 9 4469.2 27.75 214.55
 110.00 9 48 30 1781.69 -24.62 6.94 46.77 114.50 10 18 12 1181.7 -21.10 359.56
 110.00 20 15 20 4829.26 32.92 204.22 53.91 80.24 21 35 49 4229.3 31.23 195.40

DIFFERENTIAL CORRECTIONS

TDE .5617 TRA-1.2626 TC3 -.0590 BAU .0710
 RDE -.5058 RRA -.2647 RC3 .0798 FAU .01841
 FDE -.4552 FRA .6503 FC3 -.2977 BSP 3154
 BDE .7559 BRA 1.2900 BC3 .0992 FSP -155

MID-COURSE EXECUTION ACCURACY

SGT 1093.6 SGR 462.9 SG3 65.8
 RRT .0481 RRF -.0487 RTF -.7580
 SGB 1187.5 R23 -.0044 R13 -.7580
 SG1 1093.8 SG2 462.2 THA 1.42

ORBIT DETERMINATION ACCURACY

ST 532.0 SR 401.0 SS 499.3
 CRT -.7286 CRS -.8437 CST .9814
 LSA 798.8 MSA 235.5 SSA 15.5
 EL1 623.6 EL2 234.3 ALF 145.73

LAUNCH DATE MAY 28 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 195.903

RL 151.59 LAL .00 LOL 246.00 VL 23.204 GAL 6.71 AZL 93.20 HCA 77.36 SMA 109.45 ECC .39983 INC 3.2014 V1 29.390
 RP 108.93 LAP -3.12 LOP 323.34 VP 34.990 GAP -23.57 AZP 90.70 TAL 169.71 TAP 247.07 RCA 65.69 APO 153.22 V2 34.790
 RC 44.335 GL -10.68 GP 1.42 ZAL 69.62 ZAP 11.13 ETS 187.93 ZAE 166.18 ETE 115.90 ZAC 109.93 ETC 16.40 CLP 11.04

PLANETOCENTRIC CONIC

C3 48.208 VHL 6.943 DLA -8.51 RAL 172.75 RAD 6568.8 VEL 13.022 PTH 2.38 VHP 14.206 DPA 14.31 RAP 158.03 ECC 1.7934
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 58 2166.44 -18.37 38.46 46.92 111.93 8 13 5 1566.4 -15.24 31.18
 90.00 17 26 26 5344.23 27.64 243.53 53.04 83.60 18 55 31 4744.2 26.47 235.06
 100.00 8 54 11 1917.34 -19.69 19.56 46.34 112.95 9 26 9 1317.3 -16.42 12.30
 100.00 18 51 55 5068.57 29.06 223.06 52.84 82.67 20 16 23 4468.6 27.74 214.51
 110.00 9 53 1 1733.12 -23.21 3.87 44.62 115.83 10 21 54 1133.1 -19.55 356.65
 110.00 20 9 34 4825.56 32.88 203.93 52.17 80.08 21 29 59 4225.6 31.16 195.13

DIFFERENTIAL CORRECTIONS

TDE .5645 TRA-1.2449 TC3 -.0423 BAU .0640
 RDE -.4761 RRA -.2496 RC3 .0898 FAU .01915
 FDE -.4807 FRA .6665 FC3 -.3440 BSP 3330
 BDE .7385 BRA 1.2697 BC3 .0993 FSP -173

MID-COURSE EXECUTION ACCURACY

SGT 1139.9 SGR 461.8 SG3 72.0
 RRT .0493 RRF -.0507 RTF -.7729
 SGB 1229.9 R23 -.0052 R13 -.7730
 SG1 1140.2 SG2 461.2 THA 1.37

ORBIT DETERMINATION ACCURACY

ST 560.5 SR 397.8 SS 528.5
 CRT -.7336 CRS -.8486 CST .9811
 LSA 834.4 MSA 235.0 SSA 15.7
 EL1 646.1 EL2 234.6 ALF 147.74

LAUNCH DATE MAY 28 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 202.492

RL 151.59 LAL .00 LOL 246.00 VL 23.534 GAL 6.33 AZL 93.24 HCA 80.52 SMA 110.87 ECC .38140 INC 3.2365 V1 29.390
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.213 GAP -22.40 AZP 90.53 TAL 169.52 TAP 250.04 RCA 68.58 APO 153.15 V2 34.793
 RC 43.707 GL -11.56 GP 1.49 ZAL 69.58 ZAP 9.63 ETS 189.44 ZAE 166.76 ETE 104.63 ZAC 108.34 ETC 16.13 CLP 9.52

PLANETOCENTRIC CONIC

C3 43.462 VHL 6.593 DLA -9.35 RAL 172.49 RAD 6568.6 VEL 12.839 PTH 2.34 VHP 13.546 DPA 13.79 RAP 159.63 ECC 1.7153
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 37 2113.17 -16.99 35.16 44.81 113.00 8 17 50 1513.2 -13.73 28.00
 90.00 17 18 44 5345.47 27.65 243.62 51.20 83.64 18 47 49 4745.5 26.48 235.15
 100.00 8 59 23 1865.52 -18.29 16.36 44.22 114.07 9 30 28 1265.5 -14.88 9.22
 100.00 18 44 39 5068.35 29.06 223.05 51.01 82.66 20 9 8 4468.3 27.74 214.49
 110.00 9 57 12 1684.47 -21.74 .86 42.46 117.06 10 25 17 1084.5 -17.93 353.80
 110.00 20 3 20 4822.16 32.84 203.68 50.33 79.93 21 23 42 4222.2 31.10 194.89

DIFFERENTIAL CORRECTIONS

TDE .5684 TRA-1.2256 TC3 -.0209 BAU .0598
 RDE -.4473 RRA -.2349 RC3 .1007 FAU .01999
 FDE -.5087 FRA .6826 FC3 -.3981 BSP 3512
 BDE .7233 BRA 1.2479 BC3 .1028 FSP -192

MID-COURSE EXECUTION ACCURACY

SGT 1187.5 SGR 460.0 SG3 78.8
 RRT .0506 RRF -.0530 RTF -.7872
 SGB 1273.5 R23 -.0061 R13 -.7873
 SG1 1187.8 SG2 459.3 THA 1.32

ORBIT DETERMINATION ACCURACY

ST 590.7 SR 393.7 SS 559.1
 CRT -.7394 CRS -.8539 CST .9809
 LSA 872.7 MSA 233.6 SSA 15.9
 EL1 670.3 EL2 233.6 ALF 149.71

LAUNCH DATE MAY 28 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 209.111

RL 151.59 LAL .00 LOL 246.00 VL 23.841 GAL 5.96 AZL 93.27 HCA 83.68 SMA 112.23 ECC .36398 INC 3.2709 V1 29.390
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.422 GAP -21.28 AZP 90.36 TAL 169.39 TAP 253.07 RCA 71.38 APO 153.08 V2 34.797
 RC 43.245 GL -12.47 GP 1.57 ZAL 69.64 ZAP 8.13 ETS 191.61 ZAE 166.85 ETE 92.51 ZAC 106.75 ETC 15.88 CLP 7.98

PLANETOCENTRIC CONIC

C3 39.247 VHL 6.265 DLA -10.19 RAL 172.13 RAD 6568.5 VEL 12.673 PTH 2.30 VHP 12.910 DPA 13.27 RAP 161.22 ECC 1.6459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 58 2059.82 -15.54 31.91 42.69 113.97 8 22 18 1459.8 -12.17 24.86
 90.00 17 10 30 5347.34 27.67 243.75 49.28 83.71 18 39 37 4747.3 26.51 235.28
 100.00 9 4 16 1813.69 -16.82 13.21 42.08 115.08 9 34 30 1213.7 -13.30 6.19
 100.00 18 36 53 5068.70 29.06 223.07 49.09 82.68 20 1 22 4468.7 27.74 214.52
 110.00 10 1 2 1635.90 -20.20 357.93 40.29 118.18 10 28 18 1035.9 -16.28 351.01
 110.00 19 56 36 4819.26 32.81 203.46 48.42 79.80 21 16 55 4219.3 31.05 194.68

DIFFERENTIAL CORRECTIONS

TDE .5728 TRA-1.2049 TC3 .0051 BAU .0591
 RDE -.4194 RRA -.2207 RC3 .1125 FAU .02090
 FDE -.5393 FRA .6989 FC3 -.4611 BSP 3693
 BDE .7099 BRA 1.2250 BC3 .1126 FSP -213

MID-COURSE EXECUTION ACCURACY

SGT 1236.2 SGR 457.2 SG3 86.3
 RRT .0523 RRF -.0557 RTF -.8007
 SGB 1318.0 R23 -.0071 R13 -.8008
 SG1 1236.4 SG2 456.5 THA 1.28

ORBIT DETERMINATION ACCURACY

ST 622.3 SR 388.5 SS 591.8
 CRT -.7457 CRS -.8593 CST .9807
 LSA 913.5 MSA 231.5 SSA 16.0
 EL1 696.2 EL2 231.4 ALF 151.62

LAUNCH DATE MAY 28 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 215.755

RL 151.59 LAL .00 LOL 246.00 VL 24.126 GAL 5.60 AZL 93.30 HCA 86.85 SMA 113.54 ECC .34752 INC 3.3049 V1 29.390
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.619 GAP -20.21 AZP 90.18 TAL 169.30 TAP 256.14 RCA 74.08 APO 153.00 V2 34.801
 RC 42.956 GL -13.43 GP 1.67 ZAL 69.80 ZAP 6.64 ETS 194.90 ZAE 166.39 ETE 80.53 ZAC 105.17 ETC 15.65 CLP 6.43

PLANETOCENTRIC CONIC

C3 35.507 VHL 5.959 DLA -11.04 RAL 171.66 RAD 6568.4 VEL 12.525 PTH 2.27 VHP 12.297 DPA 12.76 RAP 162.79 ECC 1.5843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 2 2006.53 -14.04 28.72 40.54 114.85 8 26 29 1406.5 -10.57 21.76
 90.00 17 1 42 5350.02 27.69 243.95 47.28 83.80 18 30 52 4750.0 26.54 235.47
 100.00 9 8 50 1761.96 -15.30 10.12 39.92 116.00 9 38 12 1162.0 -11.68 3.20
 100.00 18 28 35 5069.82 29.07 223.15 47.09 82.72 19 53 5 4469.8 27.76 214.60
 110.00 10 4 32 1587.55 -18.62 355.07 38.10 119.20 10 31 0 987.5 -14.59 348.28
 110.00 19 49 23 4817.00 32.78 203.29 46.42 79.71 21 9 40 4217.0 31.01 194.51

DIFFERENTIAL CORRECTIONS

TDE .5780 TRA-1.1826 TC3 .0371 BAU .0620
 RDE -.3925 RRA -.2070 RC3 .1252 FAU .02193
 FDE -.5730 FRA .7152 FC3 -.5348 BSP 3882
 BDE .6987 BRA 1.2006 BC3 .1306 FSP -237

MID-COURSE EXECUTION ACCURACY

SGT 1285.8 SGR 453.7 SG3 94.7
 RRT .0546 RRF -.0589 RTF -.8135
 SGB 1363.5 R23 -.0082 R13 -.8136
 SG1 1286.0 SG2 452.9 THA 1.26

ORBIT DETERMINATION ACCURACY

ST 655.5 SR 382.3 SS 626.8
 CRT -.7526 CRS -.8648 CST .9807
 LSA 957.2 MSA 228.7 SSA 16.2
 EL1 723.8 EL2 228.0 ALF 153.47

LAUNCH DATE MAY 28 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 222.421

RL 151.59 LAL .00 LOL 246.00 VL 24.390 GAL 5.25 AZL 93.34 HCA 90.01 SMA 114.80 ECC .33202 INC 3.3387 V1 29.390
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.803 GAP -19.17 AZP 90.00 TAL 169.26 TAP 259.27 RCA 76.68 APO 152.91 V2 34.806
 RC 42.841 GL -14.44 GP 1.77 ZAL 70.06 ZAP 5.17 ETS 200.29 ZAE 165.43 ETE 69.63 ZAC 103.60 ETC 15.42 CLP 4.86

PLANETOCENTRIC CONIC

C3 32.192 VHL 5.674 DLA -11.89 RAL 171.09 RAD 6568.3 VEL 12.392 PTH 2.24 VHP 11.706 DPA 12.25 RAP 164.34 ECC 1.5298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 57 49 1953.42 -12.50 25.58 38.38 115.62 8 30 23 1353.4 -8.95 18.70
 90.00 16 52 21 5353.69 27.71 244.21 45.22 83.93 18 21 35 4753.7 26.58 235.73
 100.00 9 13 7 1710.49 -13.74 7.09 37.75 116.81 9 41 37 1110.5 -10.03 .26
 100.00 18 19 45 5071.85 29.09 223.30 45.03 82.80 19 44 17 4471.9 27.79 214.74
 110.00 10 7 42 1539.56 -17.01 352.29 35.91 120.11 10 33 21 939.6 -12.88 345.61
 110.00 19 41 39 4815.55 32.76 203.18 44.37 79.64 21 1 55 4215.5 30.99 194.41

DIFFERENTIAL CORRECTIONS

TOE .5839 TRA-1.1590 TC3 .0749 BAU .0679
 RDE -.3665 RRA -.1939 RC3 .1389 FAU .02308
 FDE -.6103 FRA .7317 FC3 -.6206 BSP 4063
 BDE .6894 BRA 1.1752 BC3 .1578 FSP -263

MID-COURSE EXECUTION ACCURACY

SGT 1336.2 SGR 449.3 SG3 103.9
 RRT .0575 RRF -.0629 RTF -.8255
 SGB 1409.7 R23 -.0094 R13 -.8256
 SG1 1336.5 SG2 448.5 THA 1.25

ORBIT DETERMINATION ACCURACY

ST 690.2 SR 375.0 SS 664.4
 CRT -.7599 CRS -.8703 CST .9808
 LSA 1003.8 MSA 225.2 SSA 16.4
 EL1 753.1 EL2 223.4 ALF 155.24

LAUNCH DATE MAY 28 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 229.104

RL 151.59 LAL .00 LOL 246.00 VL 24.635 GAL 4.91 AZL 93.37 HCA 93.18 SMA 116.00 ECC .31745 INC 3.3726 V1 29.390
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.976 GAP -18.18 AZP 89.81 TAL 169.27 TAP 262.44 RCA 79.18 APO 152.83 V2 34.812
 RC 42.900 GL -15.48 GP 1.88 ZAL 70.41 ZAP 3.77 ETS 210.16 ZAE 164.08 ETE 60.34 ZAC 102.06 ETC 15.21 CLP 3.26

PLANETOCENTRIC CONIC

C3 29.259 VHL 5.409 DLA -12.74 RAL 170.41 RAD 6568.2 VEL 12.273 PTH 2.21 VHP 11.137 DPA 11.76 RAP 165.87 ECC 1.4815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 20 1900.63 -10.92 22.50 36.21 116.29 8 34 1 1300.6 -7.30 15.69
 90.00 16 42 27 5358.51 27.75 244.56 43.10 84.10 18 11 45 4758.5 26.64 236.07
 100.00 9 17 6 1659.42 -12.15 4.13 35.57 117.52 9 44 45 1059.4 -8.37 357.38
 100.00 18 10 22 5074.96 29.12 223.53 42.92 82.91 19 34 57 4475.0 27.83 214.96
 110.00 10 10 31 1492.10 -15.36 349.59 33.72 120.92 10 35 23 892.1 -11.15 343.02
 110.00 19 33 26 4815.04 32.75 203.14 42.27 79.62 20 53 41 4215.0 30.98 194.37

DIFFERENTIAL CORRECTIONS

TOE .5910 TRA-1.1336 TC3 .1196 BAU .0761
 RDE -.3415 RRA -.1814 RC3 .1534 FAU .02436
 FDE -.6518 FRA .7482 FC3 -.7207 BSP 4252
 BDE .6826 BRA 1.1481 BC3 .1945 FSP -293

MID-COURSE EXECUTION ACCURACY

SGT 1387.2 SGR 444.0 SG3 114.1
 RRT .0610 RRF -.0678 RTF -.8368
 SGB 1456.5 R23 -.0110 R13 -.8369
 SG1 1387.4 SG2 443.1 THA 1.24

ORBIT DETERMINATION ACCURACY

ST 726.9 SR 366.5 SS 704.9
 CRT -.7679 CRS -.8760 CST .9810
 LSA 1053.8 MSA 221.0 SSA 16.5
 EL1 784.4 EL2 217.5 ALF 156.96

LAUNCH DATE MAY 28 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 235.801

RL 151.59 LAL .00 LOL 246.00 VL 24.861 GAL 4.59 AZL 93.41 HCA 96.34 SMA 117.15 ECC .30378 INC 3.4066 V1 29.390
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.138 GAP -17.22 AZP 89.62 TAL 169.33 TAP 265.67 RCA 81.56 APO 152.74 V2 34.819
 RC 43.133 GL -16.57 GP 2.01 ZAL 70.87 ZAP 2.59 ETS 230.83 ZAE 162.46 ETE 52.70 ZAC 100.53 ETC 15.01 CLP 1.64

PLANETOCENTRIC CONIC

C3 26.668 VHL 5.164 DLA -13.59 RAL 169.63 RAD 6568.1 VEL 12.167 PTH 2.18 VHP 10.589 DPA 11.28 RAP 167.37 ECC 1.4389
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 36 1848.29 -9.33 19.48 34.04 116.86 8 37 24 1248.3 -5.65 12.73
 90.00 16 31 58 5364.62 27.79 245.00 40.94 84.32 18 1 22 4764.6 26.71 236.50
 100.00 9 20 48 1608.72 -10.55 1.24 33.40 118.13 9 47 37 1008.7 -6.70 354.56
 100.00 18 0 26 5079.28 29.15 223.85 40.77 83.08 19 25 6 4479.3 27.89 215.27
 110.00 10 13 1 1445.31 -13.71 346.97 31.54 121.62 10 37 6 845.3 -9.43 340.49
 110.00 19 24 42 4815.60 32.76 203.18 40.13 79.65 20 44 58 4215.6 30.99 194.41

DIFFERENTIAL CORRECTIONS

TOE .5988 TRA-1.1069 TC3 .1710 BAU .0857
 RDE -.3173 RRA -.1695 RC3 .1688 FAU .02578
 FDE -.6983 FRA .7650 FC3 -.8370 BSP 4435
 BDE .6777 BRA 1.1198 BC3 .2403 FSP -326

MID-COURSE EXECUTION ACCURACY

SGT 1438.4 SGR 437.9 SG3 125.5
 RRT .0656 RRF -.0737 RTF -.8474
 SGB 1503.6 R23 -.0125 R13 -.8475
 SG1 1438.7 SG2 436.9 THA 1.26

ORBIT DETERMINATION ACCURACY

ST 764.9 SR 356.9 SS 748.6
 CRT -.7762 CRS -.8816 CST .9812
 LSA 1107.2 MSA 216.3 SSA 16.7
 EL1 817.4 EL2 210.6 ALF 158.60

LAUNCH DATE MAY 28 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 242.508

RL 151.59 LAL .00 LOL 246.00 VL 25.070 GAL 4.28 AZL 93.44 HCA 99.51 SMA 118.24 ECC .29099 INC 3.4411 V1 29.390
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.289 GAP -16.30 AZP 89.43 TAL 169.43 TAP 268.94 RCA 83.83 APO 152.65 V2 34.826
 RC 43.534 GL -17.69 GP 2.15 ZAL 71.42 ZAP 2.15 ETS 270.00 ZAE 160.68 ETE 46.55 ZAC 99.03 ETC 14.82 CLP -.01

PLANETOCENTRIC CONIC

C3 24.382 VHL 4.938 DLA -14.44 RAL 168.75 RAD 6568.0 VEL 12.073 PTH 2.16 VHP 10.061 DPA 10.82 RAP 168.85 ECC 1.4013
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 37 1796.52 -7.72 16.53 31.87 117.33 8 40 33 1196.5 -4.00 9.83
 90.00 16 20 55 5372.16 27.84 245.55 38.75 84.59 17 50 27 4772.2 26.80 237.04
 100.00 9 24 14 1558.98 -8.93 358.42 31.23 118.65 9 50 13 959.0 -5.04 351.79
 100.00 17 49 59 5084.93 29.20 224.26 38.58 83.29 19 14 44 4484.9 27.96 215.67
 110.00 10 15 12 1399.33 -12.06 344.44 29.36 122.23 10 38 31 799.3 -7.71 338.03
 110.00 19 15 30 4817.34 32.78 203.31 37.96 79.72 20 35 47 4217.3 31.02 194.54

DIFFERENTIAL CORRECTIONS

TOE .6077 TRA-1.0791 TC3 .2296 BAU .0961
 RDE -.2941 RRA -.1583 RC3 .1850 FAU .02738
 FDE -.7504 FRA .7821 FC3 -.9722 BSP 4611
 BDE .6751 BRA 1.0906 BC3 .2949 FSP -364

MID-COURSE EXECUTION ACCURACY

SGT 1490.1 SGR 431.0 SG3 138.2
 RRT .0716 RRF -.0812 RTF -.8574
 SGB 1551.2 R23 -.0143 R13 -.8575
 SG1 1490.4 SG2 429.8 THA 1.29

ORBIT DETERMINATION ACCURACY

ST 804.8 SR 346.0 SS 795.8
 CRT -.7847 CRS -.8871 CST .9816
 LSA 1164.4 MSA 211.2 SSA 16.8
 EL1 852.3 EL2 202.5 ALF 160.19

LAUNCH DATE MAY 28 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 249.221

RL 151.59 LAL .00 LOL 246.00 VL 25.264 GAL 3.98 AZL 93.48 MCA 102.68 SMA 119.28 ECC .27905 INC 3.4762 V1 29.390
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.431 GAP -15.42 AZP 89.24 TAL 169.58 TAP 272.26 RCA 85.99 APO 152.56 V2 34.834
 RC 44.099 GL -18.85 GP 2.31 ZAL 72.06 ZAP 2.87 ETS 306.43 ZAE 158.83 ETE 41.60 ZAC 97.57 ETC 14.65 CLP -1.70

PLANETOCENTRIC CONIC

C3 22.370 VHL 4.730 DLA -15.28 RAL 167.78 RAD 6567.9 VEL 11.990 PTH 2.14 VHP 9.553 DPA 10.38 RAP 170.29 ECC 1.3682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 24 1745.43 -6.12 13.63 29.72 117.70 8 43 30 1145.4 -2.36 6.97
 90.00 16 9 19 5381.22 27.89 246.21 36.53 84.92 17 39 0 4781.2 26.90 237.68
 100.00 9 27 24 1509.88 -7.32 355.66 29.06 119.06 9 52 34 909.9 -3.39 349.08
 100.00 17 39 0 5092.00 29.25 224.78 36.38 83.56 19 3 52 4492.0 28.05 216.18
 110.00 10 17 4 1354.31 -10.41 341.99 27.19 122.74 10 39 39 754.3 -6.02 335.65
 110.00 19 5 49 4820.33 32.82 203.54 35.77 79.85 20 26 10 4220.3 31.07 194.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6181 TRA-1.0488 TC3 .2970 BAU .1074 SGT 1540.9 SGR 423.3 SG3 152.4 ST 846.6 SR 333.8 SS 846.8
 RDE -.2717 RRA -.1478 RC3 .2019 FAU .02918 RRT .0792 RRF -.0907 RTF -.8671 CRT -.7938 CRS -.8924 CST .9822
 FDE -.8092 FRA .7993 FC3-1.1293 BSP 4811 SGB 1598.0 R23 -.0165 R13 -.8672 LSA 1225.9 MSA 205.5 SSA 16.8
 BOE .6751 BRA 1.0592 BC3 .3591 FSP -406 SG1 1541.3 SG2 421.9 THA 1.35 EL1 889.3 EL2 193.3 ALF 161.73

LAUNCH DATE MAY 28 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 255.939

RL 151.59 LAL .00 LOL 246.00 VL 25.442 GAL 3.69 AZL 93.51 MCA 105.85 SMA 120.25 ECC .26793 INC 3.5123 V1 29.390
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.562 GAP -14.56 AZP 89.04 TAL 169.78 TAP 275.63 RCA 88.04 APO 152.47 V2 34.842
 RC 44.820 GL -20.04 GP 2.48 ZAL 72.78 ZAP 4.24 ETS 324.10 ZAE 157.00 ETE 37.62 ZAC 96.14 ETC 14.48 CLP -3.44

PLANETOCENTRIC CONIC

C3 20.604 VHL 4.539 DLA -16.12 RAL 166.71 RAD 6567.8 VEL 11.916 PTH 2.12 VHP 9.064 DPA 9.98 RAP 171.70 ECC 1.3391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 0 1695.12 -4.52 10.80 27.58 117.98 8 46 16 1095.1 -.74 4.16
 90.00 15 57 11 5391.89 27.96 246.98 34.31 85.30 17 27 3 4791.9 27.01 238.44
 100.00 9 30 21 1461.68 -5.71 352.98 26.92 119.39 9 54 43 861.7 -1.76 346.43
 100.00 17 27 31 5100.56 29.32 225.41 34.17 83.88 18 52 32 4500.6 28.16 216.79
 110.00 10 18 39 1310.37 -8.78 339.63 25.04 123.17 10 40 30 710.4 -4.35 333.34
 110.00 18 55 43 4824.64 32.87 203.87 33.58 80.04 20 16 7 4224.6 31.15 195.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6280 TRA-1.0181 TC3 .3688 BAU .1182 SGT 1590.5 SGR 414.9 SG3 168.2 ST 888.5 SR 320.3 SS 901.7
 RDE -.2500 RRA -.1380 RC3 .2195 FAU .03118 RRT .0895 RRF -.1028 RTF -.8755 CRT -.8021 CRS -.8974 CST .9828
 FDE -.8753 FRA .8171 FC3-1.3103 BSP 4987 SGB 1643.7 R23 -.0188 R13 -.8756 LSA 1290.3 MSA 200.0 SSA 16.9
 BOE .6759 BRA 1.0274 BC3 .4292 FSP -452 SG1 1591.0 SG2 413.1 THA 1.43 EL1 926.5 EL2 183.4 ALF 163.20

LAUNCH DATE MAY 28 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 262.657

RL 151.59 LAL .00 LOL 246.00 VL 25.607 GAL 3.43 AZL 93.55 MCA 109.02 SMA 121.18 ECC .25759 INC 3.5495 V1 29.390
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.686 GAP -13.74 AZP 88.74 TAL 170.01 TAP 279.04 RCA 89.96 APO 152.39 V2 34.851
 RC 45.690 GL -21.25 GP 2.69 ZAL 73.58 ZAP 5.88 ETS 332.70 ZAE 155.24 ETE 34.41 ZAC 94.75 ETC 14.32 CLP -5.23

PLANETOCENTRIC CONIC

C3 19.058 VHL 4.366 DLA -16.96 RAL 165.55 RAD 6567.8 VEL 11.851 PTH 2.10 VHP 8.593 DPA 9.61 RAP 173.06 ECC 1.3136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 27 1645.69 -2.93 8.03 25.47 118.18 8 48 52 1045.7 .86 1.40
 90.00 15 44 33 5404.25 28.02 247.88 32.10 85.75 17 14 37 4804.2 27.14 239.33
 100.00 9 33 6 1414.49 -4.13 350.37 24.80 119.63 9 56 40 814.5 -.16 343.84
 100.00 17 15 35 5110.68 29.39 226.15 31.96 84.27 18 40 46 4510.7 28.28 217.52
 110.00 10 19 58 1267.64 -7.18 337.35 22.92 123.51 10 41 6 667.6 -2.73 331.10
 110.00 18 45 12 4830.30 32.94 204.29 31.40 80.28 20 5 42 4230.3 31.24 195.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6394 TRA -.9857 TC3 .4480 BAU .1292 SGT 1639.0 SGR 405.8 SG3 185.9 ST 932.2 SR 305.2 SS 961.1
 RDE -.2290 RRA -.1289 RC3 .2377 FAU .03344 RRT .1025 RRF -.1180 RTF -.8835 CRT -.8104 CRS -.9019 CST .9834
 FDE -.9504 FRA .8350 FC3-1.5191 BSP 5161 SGB 1688.5 R23 -.0218 R13 -.8837 LSA 1359.4 MSA 194.2 SSA 16.8
 BOE .6792 BRA .9940 BC3 .5071 FSP -505 SG1 1639.6 SG2 403.5 THA 1.55 EL1 965.6 EL2 172.6 ALF 164.64

LAUNCH DATE MAY 28 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 269.373

RL 151.59 LAL .00 LOL 246.00 VL 25.758 GAL 3.17 AZL 93.59 MCA 112.20 SMA 122.04 ECC .24801 INC 3.5882 V1 29.390
 RP 108.71 LAP -3.32 LOP 358.23 VP 36.800 GAP -12.94 AZP 88.64 TAL 170.29 TAP 282.48 RCA 91.77 APO 152.31 V2 34.860
 RC 46.700 GL -22.49 GP 2.91 ZAL 74.44 ZAP 7.66 ETS 337.48 ZAE 153.59 ETE 31.82 ZAC 93.41 ETC 14.17 CLP -7.08

PLANETOCENTRIC CONIC

C3 17.708 VHL 4.208 DLA -17.78 RAL 164.32 RAD 6567.7 VEL 11.794 PTH 2.09 VHP 8.141 DPA 9.29 RAP 174.38 ECC 1.2914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 45 1597.19 -1.37 5.33 23.39 118.29 8 51 23 997.2 2.42 358.70
 90.00 15 31 26 5418.35 28.09 248.91 29.89 86.26 17 1 44 4818.3 27.27 240.33
 100.00 9 35 40 1368.38 -2.58 347.84 22.72 119.79 9 58 28 768.4 1.41 341.31
 100.00 17 3 13 5122.39 29.46 227.01 29.77 84.71 18 28 35 4522.4 28.42 218.36
 110.00 10 21 3 1226.20 -5.62 335.16 20.83 123.77 10 41 29 626.2 -1.14 328.94
 110.00 18 34 19 4837.34 33.01 204.83 29.23 80.59 19 54 56 4237.3 31.36 195.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6518 TRA -.9522 TC3 .5330 BAU .1400 SGT 1685.9 SGR 396.1 SG3 205.8 ST 977.0 SR 288.6 SS 1025.5
 RDE -.2085 RRA -.1206 RC3 .2565 FAU .03599 RRT .1193 RRF -.1375 RTF -.8910 CRT -.8181 CRS -.9059 CST .9842
 FDE -1.0359 FRA .8535 FC3-1.7595 BSP 5334 SGB 1731.8 R23 -.0253 R13 -.8912 LSA 1433.1 MSA 188.4 SSA 16.8
 BOE .6843 BRA .9598 BC3 .5915 FSP -565 SG1 1686.6 SG2 393.1 THA 1.70 EL1 1005.9 EL2 161.2 ALF 166.05

LAUNCH DATE MAY 28 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 276.086

RL 151.59 LAL .00 LOL 246.00 VL 25.897 GAL 2.93 AZL 93.63 HCA 115.37 SMA 122.85 ECC .23916 INC 3.6286 V1 29.390
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.907 GAP -12.17 AZP 88.44 TAL 170.59 TAP 285.97 RCA 93.47 APO 152.23 V2 34.870
 RC 47.841 GL -23.74 GP 3.17 ZAL 75.36 ZAP 9.54 ETS 340.40 ZAE 152.09 ETE 29.74 ZAC 92.13 ETC 14.02 CLP -9.00

PLANETOCENTRIC CONIC

C3 16.535 VHL 4.066 DLA -18.59 RAL 163.03 RAD 6567.7 VEL 11.744 PTH 2.07 VHP 7.707 DPA 9.02 RAP 175.65 ECC 1.2721
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 0 1549.66 .17 2.68 21.35 118.32 8 53 49 949.7 3.95 356.04
 90.00 15 17 52 5434.25 28.15 250.06 27.72 86.83 16 48 26 4834.2 27.42 241.48
 100.00 9 38 7 1323.41 -1.05 345.37 20.67 119.88 10 0 10 723.4 2.93 338.84
 100.00 16 50 26 5135.73 29.54 228.00 27.61 85.23 18 16 2 4535.7 28.57 219.33
 110.00 10 21 55 1186.13 -4.10 333.06 18.77 123.97 10 41 41 586.1 .39 326.85
 110.00 18 23 7 4845.77 33.11 205.47 27.10 80.96 19 43 53 4245.8 31.50 196.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6659 TRA -.9159 TC3 .6253 BAU .1511 SGT 1730.0 SGR 386.0 SG3 228.1 ST 1023.5 SR 270.2 SS 1095.4
 RDE -.1883 RRA -.1131 RC3 .2759 FAU .03889 RRT .1408 RRF -.1622 RTF -.8986 CRT -.8255 CRS -.9090 CST .9851
 FDE -1.1339 FRA .8716 FC3-2.0359 BSP 5541 SGB 1772.6 R23 -.0295 R13 -.8989 LSA 1512.3 MSA 182.3 SSA 16.6
 BDE .6920 BRA .9229 BC3 .6834 FSP -635 SGI 1730.9 SG2 382.0 THA 1.89 EL1 1048.0 EL2 148.9 ALF 167.45

LAUNCH DATE MAY 28 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 282.792

RL 151.59 LAL .00 LOL 246.00 VL 26.024 GAL 2.70 AZL 93.67 HCA 118.55 SMA 123.61 ECC .23101 INC 3.6714 V1 29.390
 RP 108.64 LAP -3.22 LOP -4.60 VP 37.006 GAP -11.43 AZP 88.24 TAL 170.93 TAP 289.48 RCA 95.05 APO 152.16 V2 34.881
 RC 49.103 GL -24.99 GP 3.47 ZAL 76.32 ZAP 11.53 ETS 342.29 ZAE 150.76 ETE 28.09 ZAC 90.92 ETC 13.88 CLP -11.00

PLANETOCENTRIC CONIC

C3 15.520 VHL 3.940 DLA -19.39 RAL 161.68 RAD 6567.6 VEL 11.701 PTH 2.06 VHP 7.291 DPA 8.81 RAP 176.86 ECC 1.2554
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 14 1503.08 1.67 .08 19.37 118.27 8 56 17 903.1 5.44 353.42
 90.00 15 3 53 5452.03 28.21 251.36 25.58 87.48 16 34 45 4852.0 27.57 242.76
 100.00 9 40 29 1279.58 .43 342.96 18.68 119.89 10 1 49 679.6 4.41 336.43
 100.00 16 37 19 5150.75 29.62 229.11 25.49 85.81 18 3 10 4550.8 28.73 220.42
 110.00 10 22 38 1147.49 -2.63 331.04 16.77 124.09 10 41 46 547.5 1.87 324.83
 110.00 18 11 39 4855.62 33.21 206.22 25.02 81.39 19 32 35 4255.6 31.66 197.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6788 TRA -.8805 TC3 .7175 BAU .1611 SGT 1771.2 SGR 375.8 SG3 253.3 ST 1068.1 SR 249.8 SS 1170.4
 RDE -.1683 RRA -.1064 RC3 .2961 FAU .04214 RRT .1696 RRF -.1943 RTF -.9050 CRT -.8303 CRS -.9106 CST .9859
 FDE -1.2451 FRA .8910 FC3-2.3505 BSP 5692 SGB 1810.7 R23 -.0344 R13 -.9053 LSA 1594.2 MSA 177.1 SSA 16.4
 BDE .6994 BRA .8869 BC3 .7762 FSP -712 SGI 1772.4 SG2 370.1 THA 2.15 EL1 1088.4 EL2 136.6 ALF 168.83

LAUNCH DATE MAY 28 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 289.489

RL 151.59 LAL .00 LOL 246.00 VL 26.141 GAL 2.49 AZL 93.72 HCA 121.73 SMA 124.31 ECC .22352 INC 3.7167 V1 29.390
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.098 GAP -10.71 AZP 88.04 TAL 171.28 TAP 293.01 RCA 96.53 APO 152.10 V2 34.891
 RC 50.476 GL -26.25 GP 3.81 ZAL 77.32 ZAP 13.63 ETS 343.57 ZAE 149.63 ETE 26.81 ZAC 89.78 ETC 13.75 CLP -13.09

PLANETOCENTRIC CONIC

C3 14.647 VHL 3.827 DLA -20.18 RAL 160.30 RAD 6567.6 VEL 11.663 PTH 2.05 VHP 6.892 DPA 8.68 RAP 178.01 ECC 1.2411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 32 1457.38 3.14 357.52 17.45 118.16 8 58 49 857.4 6.88 350.84
 90.00 14 49 31 5471.78 28.26 252.81 23.51 88.20 16 20 43 4871.8 27.72 244.18
 100.00 9 42 51 1236.88 1.88 340.62 16.75 119.84 10 3 28 636.9 5.84 334.07
 100.00 16 23 53 5167.51 29.70 230.35 23.43 86.45 17 50 0 4567.5 28.89 221.63
 110.00 10 23 15 1110.27 -1.20 329.09 14.82 124.16 10 41 46 510.3 3.29 322.89
 110.00 17 59 58 4866.90 33.32 207.08 23.00 81.89 19 21 5 4266.9 31.84 198.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6917 TRA -.8447 TC3 .8081 BAU .1700 SGT 1808.3 SGR 365.8 SG3 281.6 ST 1111.8 SR 227.0 SS 1251.4
 RDE -.1481 RRA -.1005 RC3 .3173 FAU .04578 RRT .2063 RRF -.2350 RTF -.9106 CRT -.8323 CRS -.9102 CST .9867
 FDE -1.3725 FRA .9116 FC3-2.7060 BSP 5823 SGB 1845.0 R23 -.0404 R13 -.9110 LSA 1680.3 MSA 172.4 SSA 16.0
 BDE .7074 BRA .8507 BC3 .8681 FSP -799 SGI 1810.0 SG2 357.6 THA 2.49 EL1 1127.9 EL2 124.1 ALF 170.23

LAUNCH DATE MAY 28 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 296.177

RL 151.59 LAL .00 LOL 246.00 VL 26.247 GAL 2.29 AZL 93.77 HCA 124.91 SMA 124.96 ECC .21666 INC 3.7654 V1 29.390
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.184 GAP -10.02 AZP 87.84 TAL 171.66 TAP 296.57 RCA 97.89 APO 152.04 V2 34.903
 RC 51.950 GL -27.51 GP 4.20 ZAL 78.33 ZAP 15.84 ETS 344.44 ZAE 148.70 ETE 25.88 ZAC 88.73 ETC 13.62 CLP -15.28

PLANETOCENTRIC CONIC

C3 13.902 VHL 3.729 DLA -20.95 RAL 158.88 RAD 6567.5 VEL 11.631 PTH 2.04 VHP 6.511 DPA 8.63 RAP 179.08 ECC 1.2288
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 0 1412.42 4.58 355.01 15.61 117.97 9 1 32 812.4 8.29 348.29
 90.00 14 34 46 5493.67 28.30 254.41 21.50 89.00 16 6 19 4893.7 27.86 245.77
 100.00 9 45 18 1195.21 3.29 338.33 14.90 119.73 10 5 13 595.2 7.22 331.75
 100.00 16 10 8 5186.11 29.77 231.72 21.44 87.18 17 36 34 4586.1 29.06 222.99
 110.00 10 23 50 1074.44 .17 327.22 12.95 124.18 10 41 45 474.4 4.65 321.01
 110.00 17 48 6 4879.65 33.44 208.06 21.05 82.46 19 9 25 4279.7 32.04 199.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7032 TRA -.8087 TC3 .8938 BAU .1777 SGT 1839.2 SGR 356.7 SG3 313.4 ST 1152.1 SR 201.7 SS 1337.9
 RDE -.1275 RRA -.0955 RC3 .3398 FAU .04985 RRT .2533 RRF -.2866 RTF -.9154 CRT -.8296 CRS -.9064 CST .9873
 FDE -1.5177 FRA .9332 FC3-3.1047 BSP 5927 SGB 1873.5 R23 -.0478 R13 -.9159 LSA 1769.0 MSA 168.5 SSA 15.6
 BDE .7146 BRA .8143 BC3 .9562 FSP -897 SGI 1841.5 SG2 344.7 THA 2.91 EL1 1164.3 EL2 111.4 ALF 171.66

LAUNCH DATE MAY 28 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 302.853

RL 151.59 LAL .00 LOL 246.00 VL 26.343 GAL 2.11 AZL 93.82 HCA 128.09 SMA 125.56 ECC .21041 INC 3.8180 V1 29.390
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.263 GAP -9.35 AZP 87.64 TAL 172.04 TAP 300.13 RCA 99.14 APO 151.98 V2 34.914
 RC 53.515 GL -28.76 GP 4.65 ZAL 79.34 ZAP 18.17 ETS 345.03 ZAE 147.98 ETE 25.28 ZAC 87.77 ETC 13.49 CLP -17.59

PLANETOCENTRIC CONIC

C3 13.272 VHL 3.643 DLA -21.72 RAL 157.45 RAD 6567.5 VEL 11.604 PTH 2.03 VHP 6.147 DPA 8.69 RAP 180.08 ECC 1.2184
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 41 46 1367.95 5.99 352.50 13.87 117.73 9 4 34 767.9 9.66 345.74
 90.00 14 19 36 5517.92 28.32 256.18 19.57 89.89 15 51 34 4917.9 28.00 247.53
 100.00 9 47 56 1154.40 4.67 336.08 13.14 119.56 10 7 11 554.4 8.57 329.46
 100.00 15 56 7 5206.71 29.83 233.25 19.54 87.98 17 22 53 4606.7 29.23 224.50
 110.00 10 24 28 1039.90 1.49 325.42 11.16 124.15 10 41 48 439.9 5.96 319.19
 110.00 17 36 5 4893.97 33.56 209.16 19.20 83.10 18 57 38 4294.0 -32.24 200.17

DIFFERENTIAL CORRECTIONS

TDE .7140 TRA -.7721 TC3 .9749 BAU .1847
 RDE -.1060 RRA -.0913 RC3 .3643 FAU .05448
 FDE -1.6847 FRA .9557 FC3-3.5535 BSP 6011
 BDE .7218 BRA .7775 BC3 1.0408 FSP -1007

MID-COURSE EXECUTION ACCURACY

SGT 1863.9 SGR 349.5 SG3 349.3
 RRT .3125 RRF -.3510 RTF -.9197
 SGB 1896.3 R23 -.0571 R13 -.9203
 SG1 1867.2 SG2 331.4 THA 3.46

ORBIT DETERMINATION ACCURACY

ST 1189.6 SR 173.2 SS 1431.1
 CRT -.8193 CRS -.8966 CST .9880
 LSA 1861.6 MSA 165.0 SSA 15.1
 EL1 1198.1 EL2 98.6 ALF 173.15

LAUNCH DATE MAY 28 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 309.516

RL 151.59 LAL .00 LOL 246.00 VL 26.431 GAL 1.94 AZL 93.88 HCA 131.28 SMA 126.12 ECC .20472 INC 3.8755 V1 29.390
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.336 GAP -8.69 AZP 87.44 TAL 172.43 TAP 303.71 RCA 100.30 APO 151.93 V2 34.926
 RC 55.163 GL -30.00 GP 5.19 ZAL 80.35 ZAP 20.66 ETS 345.42 ZAE 147.48 ETE 25.02 ZAC 86.91 ETC 13.37 CLP -20.02

PLANETOCENTRIC CONIC

C3 12.747 VHL 3.570 DLA -22.47 RAL 156.03 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 5.800 DPA 8.86 RAP 180.99 ECC 1.2098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 1 1323.58 7.39 349.99 12.24 117.41 9 8 5 723.6 11.01 343.18
 90.00 14 3 58 5544.90 28.30 258.15 17.74 90.88 15 36 23 4944.9 28.13 249.49
 100.00 9 50 54 1114.17 6.01 333.85 11.49 119.34 10 9 28 514.2 9.88 327.20
 100.00 15 41 46 5229.54 29.87 234.95 17.74 88.87 17 8 56 4629.5 29.40 226.18
 110.00 10 25 14 1006.51 2.76 323.68 9.47 124.08 10 42 1 406.5 7.22 317.42
 110.00 17 23 55 4909.97 33.69 210.39 17.45 83.82 18 45 45 4310.0 32.46 201.37

DIFFERENTIAL CORRECTIONS

TDE .7258 TRA -.7323 TC3 1.0549 BAU .1918
 RDE -.0829 RRA -.0881 RC3 .3918 FAU .05981
 FDE -1.8792 FRA .9758 FC3-4.0623 BSP 6150
 BDE .7305 BRA .7376 BC3 1.1253 FSP -1140

MID-COURSE EXECUTION ACCURACY

SGT 1881.9 SGR 345.5 SG3 390.1
 RRT .3850 RRF -.4293 RTF -.9243
 SGB 1913.4 R23 -.0682 R13 -.9252
 SG1 1886.7 SG2 318.0 THA 4.16

ORBIT DETERMINATION ACCURACY

ST 1225.9 SR 141.0 SS 1533.1
 CRT -.7942 CRS -.8744 CST .9888
 LSA 1961.3 MSA 161.2 SSA 14.4
 EL1 1231.0 EL2 85.3 ALF 174.76

LAUNCH DATE MAY 28 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 316.164

RL 151.59 LAL .00 LOL 246.00 VL 26.510 GAL 1.78 AZL 93.94 HCA 134.47 SMA 126.62 ECC .19957 INC 3.9389 V1 29.390
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.403 GAP -8.06 AZP 87.24 TAL 172.81 TAP 307.28 RCA 101.35 APO 151.89 V2 34.938
 RC 56.885 GL -31.24 GP 5.81 ZAL 81.32 ZAP 23.30 ETS 345.64 ZAE 147.21 ETE 25.12 ZAC 86.17 ETC 13.25 CLP -22.60

PLANETOCENTRIC CONIC

C3 12.319 VHL 3.510 DLA -23.23 RAL 154.61 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 5.470 DPA 9.18 RAP 181.81 ECC 1.2027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 58 1278.70 8.79 347.44 10.74 117.03 9 12 17 678.7 12.35 340.56
 90.00 13 47 45 5575.21 28.25 260.37 16.02 91.99 15 20 40 4975.2 28.23 251.70
 100.00 9 54 21 1074.11 7.34 331.62 9.96 119.06 10 12 15 474.1 11.16 324.92
 100.00 15 27 3 5255.04 29.89 236.84 16.05 89.87 16 54 38 4655.0 29.55 228.05
 110.00 10 26 16 974.02 4.00 321.98 7.90 123.98 10 42 30 374.0 8.43 315.70
 110.00 17 11 37 4927.90 33.81 211.78 15.83 84.63 18 33 45 4327.9 32.70 202.72

DIFFERENTIAL CORRECTIONS

TDE .7334 TRA -.6950 TC3 1.1122 BAU .1960
 RDE -.0577 RRA -.0858 RC3 .4230 FAU .06564
 FDE -2.1010 FRA .9992 FC3-4.6127 BSP 6182
 BDE .7356 BRA .7003 BC3 1.1899 FSP -1283

MID-COURSE EXECUTION ACCURACY

SGT 1888.7 SGR 346.8 SG3 435.4
 RRT .4694 RRF -.5203 RTF -.9272
 SGB 1920.2 R23 -.0831 R13 -.9285
 SG1 1895.8 SG2 305.1 THA 5.06

ORBIT DETERMINATION ACCURACY

ST 1253.4 SR 105.0 SS 1641.1
 CRT -.7256 CRS -.8160 CST .9893
 LSA 2061.5 MSA 158.8 SSA 13.7
 EL1 1255.7 EL2 72.1 ALF 176.51

LAUNCH DATE MAY 28 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 322.798

RL 151.59 LAL .00 LOL 246.00 VL 26.582 GAL 1.64 AZL 94.01 HCA 137.66 SMA 127.08 ECC .19494 INC 4.0097 V1 29.390
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.466 GAP -7.45 AZP 87.03 TAL 173.19 TAP 310.85 RCA 102.31 APO 151.85 V2 34.951
 RC 58.673 GL -32.46 GP 6.55 ZAL 82.26 ZAP 26.13 ETS 345.74 ZAE 147.15 ETE 25.62 ZAC 85.57 ETC 13.13 CLP -25.35

PLANETOCENTRIC CONIC

C3 11.982 VHL 3.461 DLA -23.99 RAL 153.23 RAD 6567.5 VEL 11.549 PTH 2.02 VHP 5.159 DPA 9.68 RAP 182.52 ECC 1.1972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 56 57 1232.42 10.21 344.78 9.38 116.56 9 17 29 632.4 13.70 337.83
 90.00 13 30 43 5609.74 28.14 262.89 14.41 93.25 15 4 13 5009.7 28.30 254.23
 100.00 9 58 32 1033.62 8.68 329.35 8.57 118.72 10 15 45 433.6 12.44 322.59
 100.00 15 11 49 5283.77 29.88 238.98 14.49 90.99 16 39 53 4683.8 29.70 230.18
 110.00 10 27 43 942.09 5.21 320.30 6.45 123.83 10 43 25 342.1 9.62 313.99
 110.00 16 59 7 4948.07 33.93 213.34 14.34 85.55 18 21 35 4348.1 32.94 204.24

DIFFERENTIAL CORRECTIONS

TDE .7368 TRA -.6582 TC3 1.1529 BAU .1988
 RDE -.0293 RRA -.0847 RC3 .4596 FAU .07218
 FDE -2.3546 FRA 1.0238 FC3-5.2152 BSP 6180
 BDE .7374 BRA .6636 BC3 1.2411 FSP -1444

MID-COURSE EXECUTION ACCURACY

SGT 1883.2 SGR 356.6 SG3 486.2
 RRT .5626 RRF -.6201 RTF -.9292
 SGB 1916.6 R23 -.1020 R13 -.9310
 SG1 1894.1 SG2 293.1 THA 6.23

ORBIT DETERMINATION ACCURACY

ST 1271.2 SR 67.6 SS 1755.6
 CRT -.4947 CRS -.6106 CST .9897
 LSA 2162.8 MSA 157.3 SSA 12.9
 EL1 1271.6 EL2 58.7 ALF 178.49

LAUNCH DATE MAY 28 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 329.416

RL 151.59 LAL .00 LOL 246.00 VL 26.646 GAL 1.51 AZL 94.09 HCA 140.85 SMA 127.50 ECC .19078 INC 4.0897 V1 29.390
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.523 GAP -6.86 AZP 86.83 TAL 173.55 TAP 314.40 RCA 103.17 APO 151.82 V2 34.964
 RC 60.521 GL -33.69 GP 7.44 ZAL 83.15 ZAP 29.17 ETS 345.74 ZAE 147.29 ETE 26.59 ZAC 85.11 ETC 13.01 CLP -28.28

PLANETOCENTRIC CONIC

C3 11.730 VHL 3.425 DLA -24.77 RAL 151.88 RAD 6567.4 VEL 11.538 PTH 2.01 VHP 4.867 DPA 10.37 RAP 183.14 ECC 1.1930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 26 1183.29 11.69 341.93 8.20 115.97 9 24 9 583.3 15.09 334.90
 90.00 13 12 27 5649.95 27.95 265.81 12.93 94.71 14 46 37 5049.9 28.31 257.17
 100.00 10 3 45 991.80 10.03 326.99 7.34 118.31 10 20 17 391.8 13.74 320.16
 100.00 14 55 50 5316.67 29.81 241.42 13.06 92.28 16 24 26 4716.7 29.81 232.62
 110.00 10 29 44 910.27 6.42 318.62 5.15 123.65 10 44 55 310.3 10.79 312.27
 110.00 16 46 19 4970.97 34.03 215.12 13.01 86.59 18 9 10 4371.0 33.19 205.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7376 TRA -.6211 TC3 1.1727 BAU .2001 SGT 1864.7 SGR 378.4 SG3 542.9 ST 1281.0 SR 48.3 SS 1879.3
 RDE .0034 RRA -.0847 RC3 .5032 FAU .07944 RRT .6555 RRF -.7196 RTF -.9304 CRT .3785 CRS .2494 CST .9900
 FDE -2.6481 FRA 1.0479 FC3 -5.8632 BSP 6135 SGB 1902.7 R23 -.1262 R13 -.9332 LSA 2269.5 MSA 156.1 SSA 12.0
 BDE .7376 BRA .6268 BC3 1.2761 FSP -1624 SGI 1881.5 SG2 283.2 THA 7.75 EL1 1281.1 EL2 44.7 ALF .82

LAUNCH DATE MAY 28 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 336.016

RL 151.59 LAL .00 LOL 246.00 VL 26.703 GAL 1.40 AZL 94.18 HCA 144.04 SMA 127.87 ECC .18707 INC 4.1816 V1 29.390
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.576 GAP -6.28 AZP 86.61 TAL 173.90 TAP 317.94 RCA 103.95 APO 151.79 V2 34.977
 RC 62.420 GL -34.92 GP 8.50 ZAL 83.97 ZAP 32.44 ETS 345.66 ZAE 147.62 ETE 28.15 ZAC 84.80 ETC 12.91 CLP -31.42

PLANETOCENTRIC CONIC

C3 11.562 VHL 3.400 DLA -25.58 RAL 150.57 RAD 6567.4 VEL 11.530 PTH 2.01 VHP 4.593 DPA 11.31 RAP 183.64 ECC 1.1903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 13 1128.88 13.29 338.73 7.24 115.23 9 33 2 528.9 16.58 331.60
 90.00 12 52 14 5698.35 27.63 269.32 11.57 96.44 14 27 12 5098.3 28.24 260.71
 100.00 10 10 28 947.29 11.46 324.46 6.30 117.80 10 26 15 347.3 15.09 317.55
 100.00 14 38 40 5355.17 29.68 244.28 11.77 93.77 16 7 56 4755.2 29.88 235.48
 110.00 10 32 34 877.92 7.63 316.91 4.01 123.42 10 47 12 277.9 11.98 310.51
 110.00 16 33 3 4997.30 34.12 217.17 11.85 87.81 17 56 21 4397.3 33.44 207.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7354 TRA -.5820 TC3 1.1741 BAU .2009 SGT 1831.7 SGR 417.2 SG3 606.2 ST 1281.6 SR 86.9 SS 2013.4
 RDE .0424 RRA -.0858 RC3 .5566 FAU .08760 RRT .7394 RRF -.8088 RTF -.9313 CRT .9387 CRS .8853 CST .9903
 FDE -2.9886 FRA 1.0665 FC3 -6.5589 BSP 6103 SGB 1878.6 R23 -.1547 R13 -.9355 LSA 2383.2 MSA 154.7 SSA 11.1
 BDE .7366 BRA .5883 BC3 1.2994 FSP -1834 SGI 1858.1 SG2 276.9 THA 9.78 EL1 1284.2 EL2 29.9 ALF 3.64

LAUNCH DATE MAY 28 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 342.599

RL 151.59 LAL .00 LOL 246.00 VL 26.754 GAL 1.30 AZL 94.29 HCA 147.24 SMA 128.20 ECC .18379 INC 4.2890 V1 29.390
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.624 GAP -5.72 AZP 86.39 TAL 174.21 TAP 321.45 RCA 104.64 APO 151.77 V2 34.990
 RC 64.367 GL -36.18 GP 9.79 ZAL 84.72 ZAP 35.97 ETS 345.51 ZAE 148.08 ETE 30.41 ZAC 84.65 ETC 12.82 CLP -34.78

PLANETOCENTRIC CONIC

C3 11.481 VHL 3.388 DLA -26.44 RAL 149.31 RAD 6567.4 VEL 11.527 PTH 2.01 VHP 4.341 DPA 12.56 RAP 184.04 ECC 1.1890
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 27 50 1064.41 15.13 334.89 6.54 114.22 9 45 35 464.4 18.28 327.63
 90.00 12 28 32 5759.89 27.09 273.74 10.30 98.59 14 4 32 5159.9 28.00 265.19
 100.00 10 19 25 897.84 13.01 321.61 5.49 117.15 10 34 22 297.8 16.55 314.60
 100.00 14 19 39 5401.69 29.42 247.71 10.63 95.56 15 49 41 4801.7 29.88 238.94
 110.00 10 36 31 844.14 8.89 315.11 3.05 123.14 10 50 35 244.1 13.20 308.65
 110.00 16 19 2 5028.15 34.18 219.58 10.87 89.23 17 42 50 4428.2 33.69 210.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7241 TRA -.5459 TC3 1.1370 BAU .1989 SGT 1776.5 SGR 477.5 SG3 674.2 ST 1263.1 SR 160.1 SS 2151.9
 RDE .0896 RRA -.0884 RC3 .6211 FAU .09619 RRT .8040 RRF -.8792 RTF -.9296 CRT .9956 CRS .9763 CST .9902
 FDE -3.3719 FRA 1.0873 FC3 -7.2530 BSP 5954 SGB 1839.6 R23 -.1901 R13 -.9365 LSA 2495.5 MSA 154.7 SSA 10.1
 BDE .7296 BRA .5531 BC3 1.2956 FSP -2051 SGI 1818.5 SG2 277.4 THA 12.49 EL1 1273.1 EL2 14.9 ALF 7.19

LAUNCH DATE MAY 28 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 349.164

RL 151.59 LAL .00 LOL 246.00 VL 26.798 GAL 1.21 AZL 94.42 HCA 150.44 SMA 128.50 ECC .18091 INC 4.4168 V1 29.390
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.668 GAP -5.17 AZP 86.16 TAL 174.49 TAP 324.93 RCA 105.25 APO 151.75 V2 35.003
 RC 66.356 GL -37.49 GP 11.38 ZAL 85.40 ZAP 39.79 ETS 345.30 ZAE 148.60 ETE 33.58 ZAC 84.68 ETC 12.76 CLP -38.39

PLANETOCENTRIC CONIC

C3 11.494 VHL 3.390 DLA -27.37 RAL 148.08 RAD 6567.4 VEL 11.527 PTH 2.01 VHP 4.112 DPA 14.17 RAP 184.35 ECC 1.1892
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 10 977.50 17.48 329.60 6.23 112.63 10 5 28 377.5 20.40 322.14
 90.00 11 57 27 5847.25 26.05 279.92 9.06 101.52 13 34 55 5247.3 27.37 271.51
 100.00 10 31 55 839.37 14.80 318.19 4.96 116.27 10 45 55 239.4 18.21 311.06
 100.00 13 57 24 5460.62 28.95 252.03 9.62 97.79 15 28 24 4860.6 29.73 243.31
 110.00 10 42 1 807.66 10.25 313.15 2.32 122.79 10 55 29 207.7 14.50 306.62
 110.00 16 3 47 5065.10 34.17 222.46 10.08 90.94 17 28 12 4465.1 33.92 213.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7093 TRA -.5086 TC3 1.0770 BAU .1975 SGT 1705.0 SGR 566.2 SG3 748.5 ST 1233.5 SR 257.8 SS 2303.4
 RDE .1491 RRA -.0924 RC3 .7014 FAU .10557 RRT .8490 RRF -.9290 RTF -.9270 CRT .9988 CRS .9936 CST .9901
 FDE -3.8169 FRA 1.0986 FC3 -7.9517 BSP 5841 SGB 1796.5 R23 -.2248 R13 -.9387 LSA 2621.1 MSA 154.2 SSA 9.1
 BDE .7248 BRA .5169 BC3 1.2852 FSP -2301 SGI 1773.4 SG2 287.7 THA 16.18 EL1 1260.1 EL2 12.3 ALF 11.79

LAUNCH DATE MAY 28 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 355.711

RL 151.59 LAL .00 LOL 246.00 VL 26.837 GAL 1.14 AZL 94.57 HCA 153.64 SMA 128.76 ECC .17839 INC 4.5727 VI 29.390
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.708 GAP -4.64 AZP 85.90 TAL 174.74 TAP 328.38 RCA 105.79 APO 151.73 V2 35.016
 RC 68.382 GL -38.88 GP 13.36 ZAL 85.99 ZAP 43.95 ETS 345.06 ZAE 149.05 ETE 37.86 ZAC 84.86 ETC 12.75 CLP -42.27

PLANETOCENTRIC CONIC

C3 11.615 VHL 3.408 DLA -28.41 RAL 146.90 RAD 6567.4 VEL 11.533 PTH 2.01 VHP 3.909 DPA 16.24 RAP 184.60 ECC 1.1912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.56 10 28 2 837.13 22.45 321.30 7.08 107.89 10 41 59 237.1 24.69 313.33
 92.44 11 9 7 703.98 22.46 311.56 7.09 107.87 11 20 51 104.0 24.70 303.59
 100.00 10 51 5 762.31 17.07 313.59 4.84 114.92 11 3 47 162.3 20.29 306.28
 100.00 13 28 45 5542.07 28.06 257.92 8.66 100.76 15 1 7 4942.1 29.25 249.32
 110.00 10 49 46 766.41 11.76 310.91 1.85 122.33 11 2 33 166.4 15.94 304.30
 110.00 15 46 33 5110.73 34.06 226.02 9.51 93.04 17 11 43 4510.7 34.11 216.78

DIFFERENTIAL CORRECTIONS

TDE .6821 TRA -.4740 TC3 .9736 BAU .1955
 ROE .2249 RRA -.0984 RC3 .7980 FAU .11484
 FDE-4.3085 FRA 1.1046 FC3-8.5592 BSP 5649
 BDE .7182 BRA .4841 BC3 1.2588 FSP -2551

MID-COURSE EXECUTION ACCURACY

SGT 1605.1 SGR 688.6 SG3 824.0
 RRT .8730 RRF -.9606 RTF -.9205
 SGB 1746.5 R23 -.2560 R13 -.9410
 SG1 1718.1 SG2 313.8 THA 21.28

ORBIT DETERMINATION ACCURACY

ST 1178.6 SR 382.6 SS 2456.4
 CRT .9961 CRS .9980 CST .9894
 LSA 2746.9 MSA 155.0 SSA 8.1
 EL1 1238.8 EL2 32.2 ALF 17.93

LAUNCH DATE MAY 28 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 362.238

RL 151.59 LAL .00 LOL 246.00 VL 26.871 GAL 1.08 AZL 94.77 HCA 156.84 SMA 128.99 ECC .17623 INC 4.7684 VI 29.390
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.744 GAP -4.13 AZP 85.61 TAL 174.94 TAP 331.78 RCA 106.26 APO 151.72 V2 35.029
 RC 70.443 GL -40.40 GP 15.87 ZAL 86.49 ZAP 48.47 ETS 344.79 ZAE 149.19 ETE 43.47 ZAC 85.17 ETC 12.81 CLP -46.42

PLANETOCENTRIC CONIC

C3 11.875 VHL 3.446 DLA -29.61 RAL 145.72 RAD 6567.5 VEL 11.544 PTH 2.01 VHP 3.737 DPA 18.90 RAP 184.85 ECC 1.1954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.97 9 29 55 1013.92 23.26 334.60 6.55 108.86 9 46 49 413.9 25.62 326.61
 99.03 11 57 49 5824.47 23.27 277.43 6.56 108.84 13 34 53 5224.5 25.63 269.44
 100.00 11 30 30 623.79 20.83 305.02 5.58 111.94 11 40 54 23.8 23.62 297.34
 100.00 12 39 55 5689.84 25.74 268.28 7.40 105.74 14 14 44 5089.8 27.65 260.00
 110.00 11 0 58 716.90 13.55 308.19 1.73 121.69 11 12 55 116.9 17.64 301.47
 110.00 15 25 56 5169.49 33.76 230.59 9.15 95.72 16 52 5 4569.5 34.18 221.37

DIFFERENTIAL CORRECTIONS

TDE .6450 TRA -.4411 TC3 .8343 BAU .1964
 ROE .3250 RRA -.1063 RC3 .9138 FAU .12358
 FDE-4.8528 FRA 1.0974 FC3-9.0099 BSP 5465
 BDE .7223 BRA .4537 BC3 1.2374 FSP -2792

MID-COURSE EXECUTION ACCURACY

SGT 1480.6 SGR 854.4 SG3 898.2
 RRT .8799 RRF -.9793 RTF -.9092
 SGB 1709.4 R23 -.2699 R13 -.9466
 SG1 1671.2 SG2 359.6 THA 28.35

ORBIT DETERMINATION ACCURACY

ST 1102.0 SR 544.2 SS 2613.7
 CRT .9927 CRS .9993 CST .9882
 LSA 2884.0 MSA 156.1 SSA 7.1
 EL1 1227.6 EL2 58.9 ALF 26.18

LAUNCH DATE MAY 28 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 368.747

RL 151.59 LAL .00 LOL 246.00 VL 26.900 GAL 1.03 AZL 95.02 HCA 160.05 SMA 129.18 ECC .17438 INC 5.0234 VI 29.390
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.777 GAP -3.62 AZP 85.28 TAL 175.10 TAP 335.15 RCA 106.66 APO 151.71 V2 35.042
 RC 72.534 GL -42.13 GP 19.10 ZAL 86.90 ZAP 53.39 ETS 344.53 ZAE 148.67 ETE 50.49 ZAC 85.56 ETC 12.97 CLP -50.87

PLANETOCENTRIC CONIC

C3 12.326 VHL 3.511 DLA -31.02 RAL 144.51 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 3.604 DPA 22.32 RAP 185.21 ECC 1.2029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.77 8 53 47 1121.34 24.14 342.96 6.30 110.10 9 12 29 521.3 26.66 334.96
 103.23 12 24 17 5732.81 24.15 270.92 6.31 110.08 13 59 50 5132.8 26.67 262.93
 76.77 8 53 47 1121.34 24.14 342.96 6.30 110.10 9 12 29 521.3 26.66 334.96
 103.23 12 24 17 5732.81 24.15 270.92 6.31 110.08 13 59 50 5132.8 26.67 262.93
 110.00 11 18 10 651.78 15.84 304.54 2.12 120.69 11 29 1 51.8 19.80 297.65
 110.00 14 59 5 5250.36 33.04 236.79 8.96 99.33 16 26 35 4650.4 33.97 227.67

DIFFERENTIAL CORRECTIONS

TDE .5965 TRA -.4063 TC3 .6680 BAU .2053
 ROE .4622 RRA -.1142 RC3 1.0518 FAU .13122
 FDE-5.4404 FRA 1.0445 FC3-9.2161 BSP 5451
 BDE .7546 BRA .4221 BC3 1.2460 FSP -3031

MID-COURSE EXECUTION ACCURACY

SGT 1329.0 SGR 1077.8 SG3 964.7
 RRT .8719 RRF -.9896 RTF -.8907
 SGB 1711.1 R23 -.2511 R13 -.9589
 SG1 1658.0 SG2 423.1 THA 38.20

ORBIT DETERMINATION ACCURACY

ST 1000.8 SR 757.4 SS 2771.3
 CRT .9890 CRS .9998 CST .9861
 LSA 3038.2 MSA 156.8 SSA 6.1
 EL1 1251.9 EL2 89.6 ALF 37.03

LAUNCH DATE MAY 28 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 375.236

RL 151.59 LAL .00 LOL 246.00 VL 26.924 GAL 1.00 AZL 95.37 HCA 163.26 SMA 129.35 ECC .17285 INC 5.3715 VI 29.390
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.806 GAP -3.13 AZP 84.85 TAL 175.20 TAP 338.46 RCA 106.99 APO 151.70 V2 35.056
 RC 74.652 GL -44.18 GP 23.37 ZAL 87.23 ZAP 58.75 ETS 344.31 ZAE 146.95 ETE 58.72 ZAC 85.92 ETC 13.26 CLP -55.59

PLANETOCENTRIC CONIC

C3 13.076 VHL 3.616 DLA -32.76 RAL 143.19 RAD 6567.5 VEL 11.596 PTH 2.03 VHP 3.525 DPA 26.78 RAP 185.91 ECC 1.2152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.79 8 21 31 1218.52 25.12 350.75 6.42 111.76 8 41 50 618.5 27.84 342.76
 107.21 12 46 5 5660.90 25.13 265.87 6.42 111.75 14 20 26 5060.9 27.85 257.88
 72.79 8 21 31 1218.52 25.12 350.75 6.42 111.76 8 41 50 618.5 27.84 342.76
 107.21 12 46 5 5660.90 25.13 265.87 6.42 111.75 14 20 26 5060.9 27.85 257.88
 110.00 11 49 0 5836.86 19.32 276.49 3.46 118.76 13 26 17 5236.9 23.01 269.29
 110.00 14 17 46 5378.61 31.21 246.34 8.69 104.70 15 47 25 4778.6 32.91 237.53

DIFFERENTIAL CORRECTIONS

TDE .5328 TRA -.3776 TC3 .4682 BAU .2253
 ROE .6563 RRA -.1239 RC3 1.2007 FAU .13496
 FDE-6.0256 FRA .9634 FC3-8.9355 BSP 5641
 BDE .8454 BRA .3974 BC3 1.2887 FSP -3180

MID-COURSE EXECUTION ACCURACY

SGT 1154.8 SGR 1374.8 SG3 1008.4
 RRT .8429 RRF -.9950 RTF -.8563
 SGB 1795.4 R23 -.1941 R13 -.9764
 SG1 1725.8 SG2 495.0 THA 50.87

ORBIT DETERMINATION ACCURACY

ST 870.9 SR 1042.6 SS 2912.9
 CRT .9837 CRS .9999 CST .9819
 LSA 3210.2 MSA 158.5 SSA 5.1
 EL1 1353.1 EL2 120.7 ALF 50.21

LAUNCH DATE MAY 28 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 381.704

RL 151.59 LAL .00 LOL 246.00 VL 26.944 GAL .98 AZL 95.88 HCA 166.47 SMA 129.48 ECC .17159 INC 5.8795 V1 29.390
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.833 GAP -2.65 AZP 84.28 TAL 175.26 TAP 341.73 RCA 107.26 APO 151.70 V2 35.069
 RC 76.795 GL -46.75 GP 29.20 ZAL 87.50 ZAP 64.59 ETS 344.21 ZAE 143.28 ETE 67.46 ZAC 86.05 ETC 13.71 CLP -60.56

PLANETOCENTRIC CONIC

C3 14.356 VHL 3.789 DLA -34.99 RAL 141.64 RAD 6567.6 VEL 11.651 PTH 2.05 VHP 3.532 DPA 32.67 RAP 187.41 ECC 1.2363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.53 7 49 19 1318.54 26.17 359.02 7.03 114.10 8 11 17 718.5 29.19 351.07
 111.47 13 5 55 5601.71 26.18 261.76 7.04 114.09 14 39 17 5001.7 29.20 253.81
 68.53 7 49 19 1318.54 26.17 359.02 7.03 114.10 8 11 17 718.5 29.19 351.07
 111.47 13 5 55 5601.71 26.18 261.76 7.04 114.09 14 39 17 5001.7 29.20 253.81
 68.53 7 49 19 1318.54 26.17 359.02 7.03 114.10 8 11 17 718.5 29.19 351.07
 111.47 13 5 55 5601.71 26.18 261.76 7.04 114.09 14 39 17 5001.7 29.20 253.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4530 TRA -.3536 TC3 .2570 BAU .2626 SGT 966.1 SGR 1773.1 SG3 1008.6 ST 712.6 SR 1433.6 SS 3016.8
 RDE .9466 RRA -.1302 RC3 1.3440 FAU .13232 RRT .7798 RRF -.9976 RTF -.7907 CRT .9740 CRS 1.0000 CST .9729
 FDE-6.5292 FRA .8097 FC3-7.9794 BSP 6302 SGB 2019.2 R23 -.1121 R13 -.9915 LSA 3411.4 MSA 160.7 SSA 4.1
 BDE 1.0494 BRA .3768 BC3 1.3683 FSP -3192 SG1 1942.3 SG2 552.1 THA 64.80 EL1 1594.3 EL2 145.1 ALF 63.93

LAUNCH DATE MAY 28 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 388.152

RL 151.59 LAL .00 LOL 246.00 VL 26.960 GAL .97 AZL 96.70 HCA 169.68 SMA 129.59 ECC .17061 INC 6.6970 V1 29.390
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.856 GAP -2.18 AZP 83.41 TAL 175.26 TAP 344.94 RCA 107.48 APO 151.70 V2 35.082
 RC 78.958 GL -50.17 GP 37.45 ZAL 87.73 ZAP 70.94 ETS 344.37 ZAE 136.60 ETE 75.68 ZAC 85.58 ETC 14.27 CLP -65.71

PLANETOCENTRIC CONIC

C3 16.757 VHL 4.094 DLA -37.99 RAL 139.59 RAD 6567.7 VEL 11.753 PTH 2.07 VHP 3.704 DPA 40.63 RAP 190.77 ECC 1.2758
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.55 7 14 24 1432.64 27.17 8.75 8.48 117.63 7 38 16 832.6 30.64 .92
 116.45 13 24 29 5557.39 27.18 258.74 8.49 117.62 14 57 6 4957.4 30.65 250.92
 63.55 7 14 24 1432.64 27.17 8.75 8.48 117.63 7 38 16 832.6 30.64 .92
 116.45 13 24 29 5557.39 27.18 258.74 8.49 117.62 14 57 6 4957.4 30.65 250.92
 63.55 7 14 24 1432.64 27.17 8.75 8.48 117.63 7 38 16 832.6 30.64 .92
 116.45 13 24 29 5557.39 27.18 258.74 8.49 117.62 14 57 6 4957.4 30.65 250.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3609 TRA -.3387 TC3 .0597 BAU .3202 SGT 787.0 SGR 2312.7 SG3 931.2 ST 536.4 SR 1985.6 SS 3040.9
 RDE 1.4177 RRA -.1183 RC3 1.4280 FAU .11843 RRT .6515 RRF -.9989 RTF -.6618 CRT .9518 CRS 1.0000 CST .9513
 FDE-6.7843 FRA .5358 FC3-6.1185 BSP 7692 SGB 2442.9 R23 -.0434 R13 -.9981 LSA 3667.5 MSA 163.5 SSA 3.2
 BDE 1.4629 BRA .3588 BC3 1.4293 FSP -2972 SG1 2372.6 SG2 582.0 THA 76.68 EL1 2050.6 EL2 159.3 ALF 75.49

LAUNCH DATE MAY 28 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 394.575

RL 151.59 LAL .00 LOL 246.00 VL 26.972 GAL .98 AZL 98.24 HCA 172.88 SMA 129.67 ECC .16988 INC 8.2422 V1 29.390
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.877 GAP -1.72 AZP 81.82 TAL 175.21 TAP 348.09 RCA 107.65 APO 151.70 V2 35.094
 RC 81.139 GL -55.02 GP 49.57 ZAL 87.99 ZAP 77.71 ETS 345.02 ZAE 125.44 ETE 82.33 ZAC 83.86 ETC 14.59 CLP -70.84

PLANETOCENTRIC CONIC

C3 22.262 VHL 4.718 DLA -42.21 RAL 136.47 RAD 6567.9 VEL 11.985 PTH 2.14 VHP 4.285 DPA 51.38 RAP 199.14 ECC 1.3664
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.28 6 33 14 1580.66 27.46 21.47 11.51 123.42 6 59 35 980.7 31.64 14.05
 122.72 13 40 42 5543.63 27.47 257.77 11.52 123.41 15 13 5 4943.6 31.65 250.34
 57.28 6 33 14 1580.66 27.46 21.47 11.51 123.42 6 59 35 980.7 31.64 14.05
 122.72 13 40 42 5543.63 27.47 257.77 11.52 123.41 15 13 5 4943.6 31.65 250.34
 57.28 6 33 14 1580.66 27.46 21.47 11.51 123.42 6 59 35 980.7 31.64 14.05
 122.72 13 40 42 5543.63 27.47 257.77 11.52 123.41 15 13 5 4943.6 31.65 250.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2687 TRA -.3494 TC3 -.0769 BAU .3885 SGT 663.3 SGR 3012.0 SG3 720.8 ST 368.8 SR 2748.5 SS 2858.0
 RDE 2.2631 RRA -.0521 RC3 1.3032 FAU .08590 RRT .4288 RRF -.9995 RTF -.4403 CRT .8889 CRS 1.0000 CST .8892
 FDE-6.3570 FRA .1550 FC3-3.3403 BSP 9834 SGB 3084.1 R23 -.0064 R13 -.9995 LSA 3978.7 MSA 168.3 SSA 2.3
 BDE 2.2790 BRA .3533 BC3 1.3054 FSP -2308 SG1 3025.9 SG2 596.5 THA 84.39 EL1 2768.1 EL2 167.7 ALF 83.17

LAUNCH DATE MAY 28 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 400.969

RL 151.59 LAL .00 LOL 246.00 VL 26.981 GAL 1.00 AZL 102.30 HCA 176.08 SMA 129.73 ECC .16938 INC12.3008 V1 29.390
 RP 107.94 LAP -.83 LOP 62.17 VP 37.894 GAP -1.28 AZP 77.73 TAL 175.08 TAP 351.16 RCA 107.76 APO 151.71 V2 35.107
 RC 83.336 GL -62.15 GP 67.95 ZAL 88.45 ZAP 84.40 ETS 345.83 ZAE 107.54 ETE 86.05 ZAC 79.86 ETC 12.76 CLP -74.93

PLANETOCENTRIC CONIC

C3 42.252 VHL 6.500 DLA -48.21 RAL 130.99 RAD 6568.6 VEL 12.791 PTH 2.33 VHP 6.382 DPA 63.78 RAP 225.05 ECC 1.6954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.21 5 40 54 1819.96 23.57 40.10 18.02 133.35 6 11 13 1220.0 28.92 33.88
 130.79 13 49 20 5624.46 23.58 261.78 18.03 133.35 15 23 4 5024.5 28.93 255.56
 49.21 5 40 54 1819.96 23.57 40.10 18.02 133.35 6 11 13 1220.0 28.92 33.88
 130.79 13 49 20 5624.46 23.58 261.78 18.03 133.35 15 23 4 5024.5 28.93 255.56
 49.21 5 40 54 1819.96 23.57 40.10 18.02 133.35 6 11 13 1220.0 28.92 33.88
 130.79 13 49 20 5624.46 23.58 261.78 18.03 133.35 15 23 4 5024.5 28.93 255.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3758 TRA -.4602 TC3 -.0905 BAU .3777 SGT 702.9 SGR 3744.9 SG3 360.4 ST 378.2 SR 3637.4 SS 2247.9
 RDE 4.1256 RRA .1828 RC3 .6624 FAU .03230 RRT .3632 RRF -.9996 RTF -.3810 CRT .8658 CRS 1.0000 CST .8678
 FDE-4.6242 FRA -.1635 FC3 -.6618 BSP 11528 SGB 3810.3 R23 .0071 R13 -.9998 LSA 4288.5 MSA 188.5 SSA 1.3
 BDE 4.1427 BRA .4952 BC3 .6686 FSP -1077 SG1 3753.9 SG2 653.4 THA 85.98 EL1 3652.1 EL2 188.5 ALF 84.84

LAUNCH DATE MAY 28 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 407.142

RL 151.59 LAL .00 LOL 246.00 VL 26.986 GAL 1.07 AZL 136.59 HCA 179.11 SMA 129.77 ECC .16918 INC46.5914 V1 29.390
 RP 107.91 LAP -.65 LOP 65.39 VP 37.910 GAP -.89 AZP 43.42 TAL 174.72 TAP 353.83 RCA 107.82 APO 151.72 V2 35.119
 RC 85.546 GL -61.03 GP 73.85 ZAL 89.46 ZAP 89.21 ETS 180.29 ZAE 70.06 ETE 281.11 ZAC 70.07 ETC 195.76 CLP 87.15

PLANETOCENTRIC CONIC

C3 501.863 VHL 22.402 DLA -46.70 RAL 130.58 RAD 6572.4 VEL 24.963 PTH 3.34 VHP 27.040 DPA 53.97 RAP 300.85 ECC 9.2594
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.18 5 46 9 2242.68 1.81 57.86 38.85 136.67 6 23 32 1642.7 7.61 52.75
 128.82 13 40 48 793.44 1.83 304.94 38.87 136.67 13 54 2 193.4 7.63 299.83
 51.18 5 46 9 2242.68 1.81 57.86 38.85 136.67 6 23 32 1642.7 7.61 52.75
 128.82 13 40 48 793.44 1.83 304.94 38.87 136.67 13 54 2 193.4 7.63 299.83
 51.18 5 46 9 2242.68 1.81 57.86 38.85 136.67 6 23 32 1642.7 7.61 52.75
 128.82 13 40 48 793.44 1.83 304.94 38.87 136.67 13 54 2 193.4 7.63 299.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 6.0385 TRA 1.9016 TC3 -.0866 BAU 1.6273 SGT 1743.2 SGR 3766.9 SG3 76.9 ST 1559.0 SR 3619.6 SS 2008.0
 RD-14.1490 RRA -.6810 RC3 .2265 FAU-.02903 RRT -.9385 RRF .9998 RTF -.9400 CRT -.9933 CRS-1.0000 CST .9934
 FDE-3.3596 FRA -.1693 FC3 .0501 BSP 17102 SGB 4150.7 R23 -.0545 R13 .9984 LSA 4420.0 MSA 168.4 SSA 1.2
 BDE15.3836 BRA 2.0199 BC3 .2425 FSP -312 SG1 4114.0 SG2 551.0 THA 113.93 EL1 3937.6 EL2 165.6 ALF 113.21

LAUNCH DATE MAY 28 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 413.873

RL 151.59 LAL .00 LOL 246.00 VL 26.988 GAL 1.05 AZL 79.98 HCA 182.65 SMA 129.79 ECC .16899 INC10.0150 V1 29.390
 RP 107.87 LAP -.46 LOP 68.60 VP 37.922 GAP -.37 AZP 100.01 TAL 174.83 TAR 357.47 RCA 107.85 APO 151.72 V2 35.131
 RC 87.767 GL 58.97 GP -78.63 ZAL 87.92 ZAP 89.80 ETS 2.56 ZAE 105.23 ETE 263.89 ZAC 107.04 ETC 348.87 CLP -89.00

PLANETOCENTRIC CONIC

C3 30.001 VHL 5.477 DLA 58.89 RAL 200.32 RAD 6568.2 VEL 12.303 PTH 2.22 VHP 8.944 DPA -58.70 RAP 117.63 ECC 1.4937
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 35.93 21 36 28 4463.57 -32.08 219.61 88.12 37.57 22 50 51 3863.6 -38.27 213.83
 144.07 7 6 57 2808.12 -32.06 84.49 88.10 37.56 7 53 45 2208.1 -38.26 78.70
 35.93 21 36 28 4463.57 -32.08 219.61 88.12 37.57 22 50 51 3863.6 -38.27 213.83
 144.07 7 6 57 2808.12 -32.06 84.49 88.10 37.56 7 53 45 2208.1 -38.26 78.70
 35.93 21 36 28 4463.57 -32.08 219.61 88.12 37.57 22 50 51 3863.6 -38.27 213.83
 144.07 7 6 57 2808.12 -32.06 84.49 88.10 37.56 7 53 45 2208.1 -38.26 78.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .7889 TRA .5271 TC3 -.3614 BAU .4639 SGT 1406.1 SGR 4170.0 SG3 212.3 ST 885.3 SR 1447.1 SS 650.2
 RDE .8130 RRA 1.9267 RC3-1.0986 FAU .02312 RRT .9111 RRF .9999 RTF .9083 CRT .8407 CRS -.9999 CST -.8313
 FDE .4615 FRA 1.1340 FC3 -.6672 BSP 12485 SGB 4400.7 R23 .0462 R13 .9989 LSA 1764.4 MSA 433.1 SSA .6
 BDE 1.1328 BRA 1.9975 BC3 1.1565 FSP -627 SG1 4365.7 SG2 553.7 THA 72.64 EL1 1643.0 EL2 422.3 ALF 60.66

LAUNCH DATE MAY 28 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 420.184

RL 151.59 LAL .00 LOL 246.00 VL 26.988 GAL 1.11 AZL 87.34 HCA 185.83 SMA 129.78 ECC .16913 INC 2.6593 V1 29.390
 RP 107.83 LAP -.27 LOP 71.82 VP 37.933 GAP .05 AZP 92.65 TAL 174.52 TAP .35 RCA 107.83 APO 151.73 V2 35.143
 RC 89.996 GL 27.11 GP -56.96 ZAL 85.23 ZAP 92.87 ETS 356.56 ZAE 125.87 ETE 255.82 ZAC 112.13 ETC 353.00 CLP -95.27

PLANETOCENTRIC CONIC

C3 7.550 VHL 2.748 DLA 32.09 RAL 174.60 RAD 6567.2 VEL 11.355 PTH 1.96 VHP 4.753 DPA -40.36 RAP 135.94 ECC 1.1242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.24 22 34 29 3723.39 -27.12 149.87 29.83 72.16 23 36 32 3123.4 -29.30 141.55
 105.76 2 43 40 2937.73 -27.12 91.67 29.83 72.15 3 32 38 2337.7 -29.30 83.35
 74.24 22 34 29 3723.39 -27.12 149.87 29.83 72.16 23 36 32 3123.4 -29.30 141.55
 105.76 2 43 40 2937.73 -27.12 91.67 29.83 72.15 3 32 38 2337.7 -29.30 83.35
 110.00 4 40 47 2575.46 -33.35 65.48 31.48 82.03 5 23 42 1975.5 -34.09 56.32
 110.00 1 40 29 3133.65 -21.22 104.00 27.13 62.55 2 32 43 2533.7 -24.72 96.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2983 TRA .2804 TC3-2.4765 BAU .5371 SGT 1647.9 SGR 3520.2 SG3 600.0 ST 657.0 SR 889.6 SS 689.8
 RDE .2626 RRA .9436 RC3-4.7096 FAU .08208 RRT .9422 RRF .9998 RTF .9413 CRT .8353 CRS -.9990 CST -.8104
 FDE .4675 FRA 1.8405 FC3-9.4122 BSP 11974 SGB 3886.9 R23 .0610 R13 .9980 LSA 1260.6 MSA 331.4 SSA 2.3
 BDE .3975 BRA .9844 BC3 5.3210 FSP -1910 SG1 3854.0 SG2 504.1 THA 65.76 EL1 1063.8 EL2 302.1 ALF 55.12

LAUNCH DATE MAY 28 1967

FLIGHT TIME 156.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 426.509

RL 151.59 LAL .00 LOL 246.00 VL 26.985 GAL 1.18 AZL 89.50 HCA 189.05 SMA 129.76 ECC .16946 INC .5013 V1 29.390
 RP 107.80 LAP -.08 LOP 75.05 VP 37.941 GAP .47 AZP 90.50 TAL 174.19 TAP 3.23 RCA 107.77 APO 151.75 V2 35.154
 RC 92.232 GL 5.59 GP -43.16 ZAL 83.84 ZAP 97.75 ETS 353.59 ZAE 137.78 ETE 246.37 ZAC 114.93 ETC 357.23 CLP-100.65

PLANETOCENTRIC CONIC

C3 5.937 VHL 2.437 DLA 12.15 RAL 165.76 RAD 6567.2 VEL 11.284 PTH 1.94 VHP 3.764 DPA -27.30 RAP 141.56 ECC 1.0977
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 30 50 2353.87 -22.69 50.50 13.08 107.41 5 10 4 1753.9 -20.09 42.79
 90.00 19 36 47 4223.97 .81 173.32 10.82 61.69 20 47 11 3624.0 -2.98 166.69
 100.00 5 58 23 2071.51 -23.47 29.46 12.81 109.07 6 32 55 1471.5 -20.65 21.79
 100.00 20 51 55 3981.56 1.53 155.10 10.42 60.14 21 58 17 3381.6 -2.45 148.57
 110.00 7 20 39 1814.11 -25.52 9.03 11.93 113.56 7 50 53 1214.1 -22.11 1.53
 110.00 21 46 9 3811.74 3.40 141.05 9.25 55.97 22 49 41 3211.7 -1.09 134.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0034 TRA .2492 TC3-3.8982 BAU .4959 SGT 1992.0 SGR 2842.8 SG3 921.5 ST 188.8 SR 549.6 SS 712.8
 RDE -.1254 RRA .6351 RC3-4.8824 FAU .12617 RRT .9594 RRF .9996 RTF .9595 CRT .8110 CRS -.9935 CST -.7421
 FDE -.5860 FRA 2.3317 FC-18.3996 BSP 10618 SGB 3471.2 R23 .0913 R13 .9954 LSA 910.6 MSA 128.5 SSA 12.0
 BDE .1254 BRA .6822 BC3 6.2478 FSP -2934 SG1 3440.1 SG2 464.0 THA 55.37 EL1 571.4 EL2 106.3 ALF 73.86

LAUNCH DATE MAY 28 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 432.821

RL 151.59 LAL .00 LOL 246.00 VL 26.980 GAL 1.26 AZL 90.53 HCA 192.27 SMA 129.73 ECC .16996 INC .5268 V1 29.390
 RP 107.77 LAP .11 LOP 78.27 VP 37.947 GAP .88 AZP 89.49 TAL 173.81 TAP 6.08 RCA 107.68 APO 151.77 V2 35.165
 RC 94.474 GL -5.81 GP -33.88 ZAL 82.97 ZAP 103.08 ETS 351.98 ZAE 144.12 ETE 235.22 ZAC 116.78 ETC .53 CLP-105.81

PLANETOCENTRIC CONIC

C3 5.994 VHL 2.448 DLA 1.28 RAL 162.17 RAD 6567.2 VEL 11.287 PTH 1.94 VHP 3.418 DPA -18.12 RAP 143.79 ECC 1.0986
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 0 2008.23 -14.09 28.82 7.55 114.82 6 14 28 1408.2 -10.62 21.86
 90.00 17 58 1 4572.80 11.77 193.09 7.29 64.06 19 14 14 3972.8 8.18 186.25
 100.00 7 2 56 1743.93 -14.76 9.05 7.21 116.29 7 32 0 1143.9 -11.11 2.17
 100.00 19 18 46 4312.33 12.43 173.60 6.95 62.60 20 30 39 3712.3 8.66 166.84
 110.00 8 12 33 1526.04 -16.54 351.51 6.22 120.35 8 37 59 926.0 -12.39 344.87
 110.00 20 25 39 4102.99 14.20 156.68 5.93 58.57 21 34 2 3503.0 9.93 150.18

DIFFERENTIAL CORRECTIONS

TDE -.2143 TRA .2625 TC3-4.5506 BAU .4807
 RDE -.2578 RRA .4726 RC3-3.9090 FAU .15109
 FDE-1.6526 FRA 2.5566 FC-21.8228 BSP 10038
 BDE .3352 BRA .5406 BC3 5.9991 FSP -3554

MID-COURSE EXECUTION ACCURACY

SGT 2365.2 SGR 2291.6 SG3 1109.7
 RRT .9681 RRF .9991 RTF .9687
 SGB 3293.2 R23 .1246 R13 .9914
 SG1 3266.9 SG2 415.6 THA 44.06

ORBIT DETERMINATION ACCURACY

ST 538.5 SR 690.9 SS 1262.8
 CRT .9879 CRS -.9976 CST -.9954
 LSA 1535.3 MSA 66.1 SSA 18.8
 EL1 873.5 EL2 66.0 ALF 52.15

LAUNCH DATE MAY 28 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 439.117

RL 151.59 LAL .00 LOL 246.00 VL 26.972 GAL 1.36 AZL 91.13 HCA 195.50 SMA 129.67 ECC .17065 INC 1.1332 V1 29.390
 RP 107.73 LAP .30 LOP 81.50 VP 37.952 GAP 1.29 AZP 88.91 TAL 173.38 TAP 8.88 RCA 107.55 APO 151.80 V2 35.175
 RC 96.719 GL -12.26 GP -27.38 ZAL 82.13 ZAP 108.32 ETS 351.13 ZAE 146.79 ETE 224.04 ZAC 118.14 ETC 3.11 CLP-110.73

PLANETOCENTRIC CONIC

C3 6.307 VHL 2.511 DLA -5.05 RAL 160.60 RAD 6567.2 VEL 11.300 PTH 1.94 VHP 3.295 DPA -11.53 RAP 144.73 ECC 1.1038
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 21 52 1820.00 -8.45 17.87 6.05 117.13 6 52 12 1220.0 -4.75 11.14
 90.00 17 4 37 4778.12 17.54 205.40 7.07 67.41 18 24 15 4178.1 14.32 198.20
 100.00 7 40 50 1565.27 -9.14 358.77 5.69 118.59 8 6 55 965.3 -5.25 352.14
 100.00 18 28 20 4508.09 18.25 185.22 6.75 65.90 19 43 28 3908.1 14.84 178.09
 110.00 8 43 38 1368.68 -10.94 342.77 4.61 122.59 9 6 26 768.7 -6.56 336.41
 110.00 19 42 2 4277.44 20.12 166.74 5.78 61.77 20 53 19 3677.4 16.19 159.82

DIFFERENTIAL CORRECTIONS

TDE -.3966 TRA .2969 TC3-4.9304 BAU .4876
 RDE -.2824 RRA .3759 RC3-3.0202 FAU .16088
 FDE-2.4251 FRA 2.6458 FC-22.0819 BSP 10015
 BDE .4868 BRA .4790 BC3 5.7819 FSP -3827

MID-COURSE EXECUTION ACCURACY

SGT 2722.9 SGR 1859.4 SG3 1192.0
 RRT .9728 RRF .9982 RTF .9741
 SGB 3297.2 R23 .1459 R13 .9875
 SG1 3277.7 SG2 357.9 THA 34.06

ORBIT DETERMINATION ACCURACY

ST 930.4 SR 695.5 SS 1660.7
 CRT .9873 CRS -.9979 CST -.9952
 LSA 2024.3 MSA 96.8 SSA 12.5
 EL1 1158.3 EL2 88.9 ALF 36.68

LAUNCH DATE MAY 28 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 445.395

RL 151.59 LAL .00 LOL 246.00 VL 26.962 GAL 1.46 AZL 91.54 HCA 198.73 SMA 129.61 ECC .17150 INC 1.5353 V1 29.390
 RP 107.70 LAP .49 LOP 84.72 VP 37.954 GAP 1.70 AZP 88.55 TAL 172.90 TAP 11.63 RCA 107.38 APO 151.83 V2 35.185
 RC 98.967 GL -16.25 GP -22.64 ZAL 81.23 ZAP 113.28 ETS 350.71 ZAE 147.18 ETE 214.35 ZAC 119.15 ETC 5.19 CLP-115.36

PLANETOCENTRIC CONIC

C3 6.656 VHL 2.580 DLA -9.14 RAL 160.03 RAD 6567.2 VEL 11.316 PTH 1.95 VHP 3.275 DPA -6.64 RAP 145.12 ECC 1.1095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 14 1698.88 -4.64 11.01 6.05 117.97 7 19 33 1098.9 -.86 4.37
 90.00 16 30 40 4917.66 20.96 214.21 7.95 70.51 17 52 38 4317.7 18.11 206.69
 100.00 8 8 7 1450.87 -5.35 352.38 5.66 119.45 8 32 18 850.9 -1.39 345.84
 100.00 17 56 29 4640.90 21.72 193.55 7.65 68.95 19 13 50 4040.9 18.67 186.09
 110.00 9 6 11 1269.03 -7.23 337.43 4.50 123.50 9 27 20 669.0 -2.78 331.17
 110.00 19 14 54 4395.51 23.75 173.98 6.71 64.66 20 28 9 3795.5 20.14 166.70

DIFFERENTIAL CORRECTIONS

TDE -.5615 TRA .3420 TC3-5.2135 BAU .5095
 RDE -.2675 RRA .3128 RC3-2.3662 FAU .16180
 FDE-2.9319 FRA 2.6611 FC-21.0447 BSP 10419
 BDE .6219 BRA .4635 BC3 5.7253 FSP -3896

MID-COURSE EXECUTION ACCURACY

SGT 3063.2 SGR 1529.3 SG3 1210.0
 RRT .9748 RRF .9963 RTF .9775
 SGB 3423.8 R23 .1513 R13 .9851
 SG1 3410.0 SG2 306.4 THA 26.18

ORBIT DETERMINATION ACCURACY

ST 1270.6 SR 631.6 SS 1913.5
 CRT .9875 CRS -.9973 CST -.9962
 LSA 2379.6 MSA 109.5 SSA 11.6
 EL1 1416.1 EL2 89.2 ALF 26.26

LAUNCH DATE MAY 28 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 451.654

RL 151.59 LAL .00 LOL 246.00 VL 26.950 GAL 1.58 AZL 91.82 HCA 201.96 SMA 129.53 ECC .17252 INC 1.8223 V1 29.390
 RP 107.67 LAP .68 LOP 87.95 VP 37.954 GAP 2.10 AZP 88.31 TAL 172.37 TAP 14.33 RCA 107.18 APO 151.87 V2 35.195
 RC 101.218 GL -18.90 GP -19.08 ZAL 80.23 ZAP 117.91 ETS 350.54 ZAE 146.32 ETE 206.72 ZAC 119.86 ETC 6.91 CLP-119.69

PLANETOCENTRIC CONIC

C3 7.000 VHL 2.646 DLA -12.02 RAL 160.04 RAD 6567.2 VEL 11.331 PTH 1.95 VHP 3.312 DPA -2.93 RAP 145.31 ECC 1.1152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 48 1612.64 -1.87 6.19 6.78 118.26 7 41 41 1012.6 1.93 359.56
 90.00 16 7 12 5021.47 23.16 221.02 9.32 73.23 17 30 53 4421.5 20.64 213.25
 100.00 8 30 1 1369.96 -2.63 347.92 6.35 119.79 8 52 51 770.0 1.36 341.40
 100.00 17 34 40 4739.38 23.99 199.99 9.03 71.61 18 53 39 4139.4 21.25 192.26
 110.00 9 24 26 1199.56 -4.61 333.76 5.12 123.91 9 44 25 599.6 -.12 327.55
 110.00 18 56 45 4482.54 26.17 179.58 8.13 67.18 20 11 27 3882.5 22.85 172.00

DIFFERENTIAL CORRECTIONS

TDE -.7122 TRA .3969 TC3-5.4291 BAU .5379
 RDE -.2368 RRA .2704 RC3-1.8888 FAU .15710
 FDE-3.2189 FRA 2.6476 FC-19.4304 BSP 10994
 BDE .7505 BRA .4802 BC3 5.7483 FSP -3817

MID-COURSE EXECUTION ACCURACY

SGT 3376.9 SGR 1272.9 SG3 1186.8
 RRT .9743 RRF .9929 RTF .9796
 SGB 3608.8 R23 .1436 R13 .9840
 SG1 3598.8 SG2 269.0 THA 20.28

ORBIT DETERMINATION ACCURACY

ST 1567.0 SR 544.1 SS 2059.1
 CRT .9860 CRS -.9959 CST -.9969
 LSA 2641.5 MSA 115.9 SSA 11.8
 EL1 1656.6 EL2 85.8 ALF 18.95

LAUNCH DATE MAY 28 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 457.894

RL 151.59 LAL .00 LOL 246.00 VL 26.937 GAL 1.71 AZL 92.04 HCA 205.20 SMA 129.44 ECC .17371 INC 2.0391 V1 29.390
 RP 107.65 LAP .87 LOP 91.19 VP 37.953 GAP 2.49 AZP 88.15 TAL 171.79 TAP 17.00 RCA 106.95 APO 151.92 V2 35.204
 RC 103.470 GL -20.72 GP -16.31 ZAL 79.13 ZAP 122.20 ETS 350.51 ZAE 144.83 ETE 200.99 ZAC 120.30 ETC 8.34 CLP-123.72

PLANETOCENTRIC CONIC

C3 7.335 VHL 2.708 DLA -14.17 RAL 160.44 RAD 6567.2 VEL 11.346 PTH 1.96 VHP 3.385 DPA -.07 RAP 145.48 ECC 1.1207
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 5 1546.88 .26 2.52 7.92 118.32 8 0 51 946.9 4.04 355.88
 90.00 15 50 8 5103.85 24.67 226.59 10.95 75.63 17 19 12 4503.9 22.45 218.62
 100.00 8 48 53 1308.74 -.55 344.56 7.47 119.89 9 10 42 708.7 3.43 338.04
 100.00 17 19 1 4817.22 25.56 205.24 10.68 73.95 18 39 18 4217.2 23.11 197.29
 110.00 9 40 15 1147.85 -2.64 331.05 6.16 124.09 9 59 23 547.9 1.85 324.85
 110.00 18 44 8 4550.88 27.89 184.15 9.82 69.39 19 59 59 3950.9 24.83 176.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8550 TRA .4570 TC3-5.6038 BAU .5700 SGT 3671.4 SGR 1075.3 SG3 1142.5 ST 1835.6 SR 457.6 SS 2144.5
 RDE -.2028 RRA .2399 RC3-1.5426 FAU .14979 RRT .9712 RRF .9872 RTF .9811 CRT .9826 CRS -.9932 CST -.9974
 FDE-3.3687 FRA 2.6077 FC-17.6796 BSP 11705 SGB 3825.6 R23 .1262 R13 .9836 LSA 2857.2 MSA 119.2 SSA 12.4
 BDE .8787 BRA .5161 BC3 5.8122 FSP -3682 SG1 3817.7 SG2 246.2 THA 15.95 EL1 1889.9 EL2 82.5 ALF 13.79

LAUNCH DATE MAY 28 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 464.115

RL 151.59 LAL .00 LOL 246.00 VL 26.922 GAL 1.86 AZL 92.21 HCA 208.44 SMA 129.33 ECC .17507 INC 2.2095 V1 29.390
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.950 GAP 2.89 AZP 88.06 TAL 171.18 TAP 19.61 RCA 106.69 APO 151.97 V2 35.212
 RC 105.723 GL -22.00 GP -14.12 ZAL 77.95 ZAP 126.15 ETS 350.56 ZAE 143.09 ETE 196.77 ZAC 120.48 ETC 9.54 CLP-127.46

PLANETOCENTRIC CONIC

C3 7.668 VHL 2.769 DLA -15.87 RAL 161.13 RAD 6567.2 VEL 11.360 PTH 1.96 VHP 3.482 DPA 2.16 RAP 145.72 ECC 1.1262
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 21 1494.27 1.95 359.59 9.34 118.26 8 18 15 894.3 5.72 352.93
 90.00 15 37 20 5172.48 25.74 231.33 12.77 77.77 17 3 33 4572.5 23.80 223.20
 100.00 9 5 54 1260.18 1.09 341.90 8.87 119.87 9 26 54 660.2 5.06 335.36
 100.00 17 7 28 4881.81 26.70 209.70 12.52 76.03 18 28 50 4281.8 24.51 201.58
 110.00 9 54 37 1107.56 -1.10 328.95 7.49 124.17 10 13 5 507.6 3.39 322.75
 110.00 18 35 14 4607.19 29.18 188.02 11.70 71.35 19 52 2 4007.2 26.36 179.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9907 TRA .5221 TC3-5.7386 BAU .6028 SGT 3945.1 SGR 921.0 SG3 1086.4 ST 2079.6 SR 377.6 SS 2187.2
 RDE -.1691 RRA .2175 RC3-1.2856 FAU .14112 RRT .9648 RRF .9782 RTF .9821 CRT .9762 CRS -.9882 CST -.9978
 FDE-3.4195 FRA 2.5543 FC-15.9330 BSP 12461 SGB 4051.2 R23 .1038 R13 .9835 LSA 3039.1 MSA 120.9 SSA 13.1
 BDE 1.0050 BRA .5656 BC3 5.8808 FSP -3513 SG1 4044.3 SG2 236.3 THA 12.74 EL1 2112.0 EL2 80.6 ALF 10.07

LAUNCH DATE MAY 28 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 470.316

RL 151.59 LAL .00 LOL 246.00 VL 26.905 GAL 2.02 AZL 92.35 HCA 211.68 SMA 129.22 ECC .17659 INC 2.3477 V1 29.390
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.945 GAP 3.28 AZP 88.00 TAL 170.52 TAP 22.19 RCA 106.40 APO 152.04 V2 35.220
 RC 107.975 GL -22.91 GP -12.36 ZAL 76.68 ZAP 129.79 ETS 350.64 ZAE 141.30 ETE 193.65 ZAC 120.42 ETC 10.54 CLP-130.93

PLANETOCENTRIC CONIC

C3 8.004 VHL 2.829 DLA -17.26 RAL 162.04 RAD 6567.3 VEL 11.375 PTH 1.96 VHP 3.598 DPA 3.90 RAP 146.07 ECC 1.1317
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 22 1450.69 3.35 357.15 10.99 118.13 8 34 33 850.7 7.09 350.46
 90.00 15 27 34 5231.84 26.53 235.50 14.73 79.72 16 54 45 4631.8 24.84 227.23
 100.00 9 21 45 1220.33 2.44 339.71 10.49 119.80 9 42 6 620.3 6.39 333.15
 100.00 16 58 51 4937.43 27.55 213.61 14.50 77.92 18 21 9 4337.4 25.61 205.35
 110.00 10 8 6 1075.15 .14 327.26 9.05 124.18 10 26 1 475.1 4.62 321.05
 110.00 18 29 0 4655.38 30.18 191.42 13.73 73.13 19 46 36 4055.4 27.58 183.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1192 TRA .5946 TC3-5.8299 BAU .6347 SGT 4196.3 SGR 799.7 SG3 1024.1 ST 2300.0 SR 305.8 SS 2197.5
 RDE -.1368 RRA .2016 RC3-1.0894 FAU .13165 RRT .9537 RRF .9647 RTF .9826 CRT .9642 CRS -.9785 CST -.9980
 FDE-3.3984 FRA 2.5043 FC-14.2392 BSP 13198 SGB 4271.8 R23 .0816 R13 .9835 LSA 3193.4 MSA 122.2 SSA 13.8
 BDE 1.1275 BRA .6278 BC3 5.9308 FSP -3321 SG1 4265.3 SG2 236.6 THA 10.33 EL1 2318.9 EL2 80.5 ALF 7.31

LAUNCH DATE MAY 28 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 476.498

RL 151.59 LAL .00 LOL 246.00 VL 26.887 GAL 2.19 AZL 92.46 HCA 214.92 SMA 129.10 ECC .17827 INC 2.4628 V1 29.390
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.939 GAP 3.67 AZP 87.98 TAL 169.81 TAP 24.73 RCA 106.08 APO 152.11 V2 35.227
 RC 110.226 GL -23.55 GP -10.92 ZAL 75.33 ZAP 133.14 ETS 350.74 ZAE 139.56 ETE 191.32 ZAC 120.14 ETC 11.37 CLP-134.14

PLANETOCENTRIC CONIC

C3 8.353 VHL 2.890 DLA -18.42 RAL 163.12 RAD 6567.3 VEL 11.390 PTH 1.97 VHP 3.729 DPA 5.26 RAP 146.55 ECC 1.1375
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 33 1413.69 4.54 355.08 12.82 117.98 8 50 7 813.7 8.25 348.36
 90.00 15 20 2 5284.70 27.12 239.25 16.82 81.51 16 48 7 4684.7 25.66 230.89
 100.00 9 36 50 1186.87 3.57 337.87 12.29 119.70 9 56 37 586.9 7.50 331.28
 100.00 16 52 26 4986.75 28.21 217.13 16.62 79.66 18 15 33 4386.7 26.49 208.75
 110.00 10 20 59 1048.54 1.16 325.87 10.78 124.17 10 38 28 448.5 5.63 319.65
 110.00 18 24 46 4697.85 30.98 194.47 15.90 74.78 19 43 4 4097.8 28.58 186.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2421 TRA .6731 TC3-5.8820 BAU .6651 SGT 4427.3 SGR 704.5 SG3 960.1 ST 2500.4 SR 243.3 SS 2186.7
 RDE -.1067 RRA .1900 RC3 -.9380 FAU .12215 RRT .9370 RRF .9453 RTF .9830 CRT .9415 CRS -.9594 CST -.9982
 FDE-3.3325 FRA 2.4531 FC-12.6609 BSP 13907 SGB 4483.0 R23 .0614 R13 .9835 LSA 3328.2 MSA 123.2 SSA 14.6
 BDE 1.2466 BRA .6994 BC3 5.9563 FSP -3122 SG1 4476.3 SG2 243.4 THA 8.51 EL1 2510.9 EL2 81.6 ALF 5.24

LAUNCH DATE MAY 28 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 482.659

RL 151.59 LAL .00 LOL 246.00 VL 26.868 GAL 2.38 AZL 92.56 HCA 218.16 SMA 128.97 ECC .18013 INC 2.5606 V1 29.390
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.931 GAP 4.06 AZP 87.99 TAL 169.07 TAP 27.23 RCA 105.74 APO 152.20 V2 35.233
 RC 112.475 GL -23.96 GP -9.72 ZAL 73.91 ZAP 136.23 ETS 350.83 ZAE 137.93 ETE 189.57 ZAC 119.67 ETC 12.04 CLP-137.11

PLANETOCENTRIC CONIC

C3 8.719 VHL 2.953 DLA -19.42 RAL 164.36 RAD 6567.3 VEL 11.407 PTH 1.97 VHP 3.872 DPA 6.31 RAP 147.19 ECC 1.1435
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 11 1381.75 5.56 353.28 14.81 117.81 9 5 12 781.8 9.24 346.53
 90.00 15 14 16 5332.85 27.55 242.71 19.03 83.19 16 43 9 4732.8 26.32 234.26
 100.00 9 51 24 1158.35 4.53 336.30 14.25 119.58 10 10 43 558.4 8.44 329.69
 100.00 16 47 43 5031.48 28.71 220.36 18.86 81.29 18 11 35 4431.5 27.21 211.88
 110.00 10 33 30 1026.43 2.00 324.72 12.67 124.13 10 50 37 426.4 6.47 318.48
 110.00 18 22 7 4736.17 31.63 197.26 18.19 76.31 19 41 3 4136.2 29.43 188.75

DIFFERENTIAL CORRECTIONS

TDE-1.3572 TRA .7612 TC3-5.8838 BAU .6924
 RDE -.0783 RRA .1822 RC3 -.8160 FAU .11241
 FDE-3.2291 FRA 2.4135 FC-11.1616 BSP 14505
 BDE 1.3595 BRA .7827 BC3 5.9401 FSP -2905

MID-COURSE EXECUTION ACCURACY

SGT 4632.7 SGR 629.1 SG3 895.2
 RRT .9132 RRF .9188 RTF .9829
 SGB 4675.2 R23 .0454 R13 .9832
 SG1 4668.3 SG2 254.4 THA 7.09

ORBIT DETERMINATION ACCURACY

ST 2677.2 SR 189.6 SS 2155.4
 CRT .8954 CRS -.9188 CST -.9984
 LSA 3439.9 MSA 124.7 SSA 15.3
 EL1 2682.6 EL2 84.2 ALF 3.63

LAUNCH DATE MAY 28 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 488.799

RL 151.59 LAL .00 LOL 246.00 VL 26.847 GAL 2.58 AZL 92.65 HCA 221.40 SMA 128.83 ECC .18216 INC 2.6452 V1 29.390
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.922 GAP 4.46 AZP 88.02 TAL 168.30 TAP 29.70 RCA 105.36 APO 152.30 V2 35.239
 RC 114.720 GL -24.21 GP -8.72 ZAL 72.44 ZAP 139.09 ETS 350.90 ZAE 136.42 ETE 188.23 ZAC 119.01 ETC 12.59 CLP-139.87

PLANETOCENTRIC CONIC

C3 9.109 VHL 3.018 DLA -20.28 RAL 165.72 RAD 6567.3 VEL 11.424 PTH 1.98 VHP 4.024 DPA 7.10 RAP 147.96 ECC 1.1499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 23 1353.94 6.44 351.71 16.94 117.63 9 19 57 753.9 10.09 344.94
 90.00 15 9 54 5377.46 27.87 245.93 21.35 84.78 16 39 32 4777.5 26.86 237.41
 100.00 10 5 35 1133.88 5.35 334.94 16.34 119.45 10 24 29 533.9 9.24 328.31
 100.00 16 44 24 5072.75 29.10 223.37 21.20 82.83 18 8 57 4472.8 27.80 214.80
 110.00 10 45 44 1008.04 2.70 323.76 14.70 124.09 11 2 32 408.0 7.16 317.51
 110.00 18 20 44 4771.35 32.17 199.87 20.59 77.77 19 40 15 4171.4 30.15 191.23

DIFFERENTIAL CORRECTIONS

TDE-1.4702 TRA .8540 TC3-5.8624 BAU .7193
 RDE -.0524 RRA .1763 RC3 -.7204 FAU .10357
 FDE-3.1177 FRA 2.3685 FC3-9.8435 BSP 15142
 BDE 1.4711 BRA .8720 BC3 5.9065 FSP -2722

MID-COURSE EXECUTION ACCURACY

SGT 4827.0 SGR 571.3 SG3 834.6
 RRT .8824 RRF .8848 RTF .9829
 SGB 4860.6 R23 .0317 R13 .9831
 SG1 4853.3 SG2 267.4 THA 5.98

ORBIT DETERMINATION ACCURACY

ST 2840.8 SR 146.7 SS 2118.7
 CRT .8024 CRS -.8331 CST -.9985
 LSA 3544.7 MSA 125.7 SSA 15.9
 EL1 2843.2 EL2 87.5 ALF 2.37

LAUNCH DATE MAY 28 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 494.917

RL 151.59 LAL .00 LOL 246.00 VL 26.825 GAL 2.79 AZL 92.72 HCA 224.65 SMA 128.68 ECC .18436 INC 2.7197 V1 29.390
 RP 107.52 LAP 1.91 LOP 110.61 VP 37.911 GAP 4.85 AZP 88.06 TAL 167.48 TAP 32.13 RCA 104.96 APO 152.41 V2 35.244
 RC 116.961 GL -24.32 GP -7.88 ZAL 70.90 ZAP 141.74 ETS 350.95 ZAE 135.04 ETE 187.19 ZAC 118.18 ETC 13.02 CLP-142.44

PLANETOCENTRIC CONIC

C3 9.530 VHL 3.087 DLA -21.05 RAL 167.18 RAD 6567.3 VEL 11.442 PTH 1.98 VHP 4.186 DPA 7.68 RAP 148.87 ECC 1.1568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 17 1329.65 7.20 350.34 19.19 117.46 9 34 27 729.6 10.83 343.53
 90.00 15 6 43 5419.34 28.09 248.98 23.77 86.29 16 37 3 4819.3 27.28 240.41
 100.00 10 19 27 1112.87 6.06 333.78 18.57 119.33 10 38 0 512.9 9.92 327.12
 100.00 16 42 14 5111.35 29.39 226.20 23.65 84.29 18 7 26 4511.3 28.29 217.57
 110.00 10 57 45 992.85 3.28 322.96 16.85 124.04 11 14 18 392.8 7.73 316.70
 110.00 18 20 26 4804.13 32.62 202.32 23.11 79.15 19 40 30 4204.1 30.78 193.58

DIFFERENTIAL CORRECTIONS

TDE-1.5797 TRA .9544 TC3-5.8089 BAU .7446
 RDE -.0281 RRA .1724 RC3 -.6421 FAU .09526
 FDE-2.9982 FRA 2.3282 FC3-8.6539 BSP 15724
 BDE 1.5799 BRA .9698 BC3 5.8443 FSP -2542

MID-COURSE EXECUTION ACCURACY

SGT 5006.1 SGR 526.7 SG3 777.4
 RRT .8440 RRF .8432 RTF .9828
 SGB 5033.7 R23 .0207 R13 .9829
 SG1 5025.8 SG2 281.4 THA 5.09

ORBIT DETERMINATION ACCURACY

ST 2988.7 SR 115.9 SS 2075.1
 CRT .6140 CRS -.6539 CST -.9986
 LSA 3638.0 MSA 127.1 SSA 16.4
 EL1 2989.5 EL2 91.5 ALF 1.37

LAUNCH DATE MAY 28 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 501.013

RL 151.59 LAL .00 LOL 246.00 VL 26.803 GAL 3.02 AZL 92.79 HCA 227.89 SMA 128.53 ECC .18675 INC 2.7861 V1 29.390
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.899 GAP 5.24 AZP 88.13 TAL 166.64 TAP 34.53 RCA 104.53 APO 152.54 V2 35.248
 RC 119.197 GL -24.31 GP -7.17 ZAL 69.32 ZAP 144.21 ETS 350.97 ZAE 133.78 ETE 186.37 ZAC 117.21 ETC 13.36 CLP-144.84

PLANETOCENTRIC CONIC

C3 9.987 VHL 3.160 DLA -21.72 RAL 168.75 RAD 6567.4 VEL 11.462 PTH 1.99 VHP 4.356 DPA 8.09 RAP 149.91 ECC 1.1644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 26 54 1308.49 7.87 349.13 21.57 117.29 9 48 42 708.5 11.46 342.30
 90.00 15 4 34 5459.04 28.23 251.87 26.29 87.74 16 35 33 4859.0 27.62 243.26
 100.00 10 33 3 1094.97 6.65 332.79 20.91 119.21 10 51 18 495.0 10.50 326.11
 100.00 16 41 5 5147.79 29.61 228.89 26.20 85.69 18 6 53 4547.8 28.70 220.20
 110.00 11 9 34 980.52 3.75 322.32 19.12 124.00 11 25 54 380.5 8.19 316.04
 110.00 18 21 4 4835.00 32.99 204.65 25.72 80.49 19 41 39 4235.0 31.32 195.82

DIFFERENTIAL CORRECTIONS

TDE-1.6856 TRA 1.0623 TC3-5.7238 BAU .7681
 RDE -.0051 RRA .1698 RC3 -.5765 FAU .08747
 FDE-2.8742 FRA 2.2903 FC3-7.5823 BSP 16269
 BDE 1.6856 BRA 1.0758 BC3 5.7527 FSP -2375

MID-COURSE EXECUTION ACCURACY

SGT 5169.6 SGR 492.6 SG3 723.4
 RRT .7985 RRF .7941 RTF .9826
 SGB 5193.0 R23 .0117 R13 .9826
 SG1 5184.6 SG2 295.7 THA 4.36

ORBIT DETERMINATION ACCURACY

ST 3120.6 SR 100.4 SS 2025.6
 CRT .2909 CRS -.3383 CST -.9987
 LSA 3719.4 MSA 128.8 SSA 16.7
 EL1 3120.7 EL2 96.1 ALF .54

LAUNCH DATE MAY 28 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 507.086

RL 151.59 LAL .00 LOL 246.00 VL 26.779 GAL 3.26 AZL 92.85 HCA 231.14 SMA 128.37 ECC .18933 INC 2.8460 V1 29.390
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.886 GAP 5.64 AZP 88.21 TAL 165.77 TAP 36.90 RCA 104.07 APO 152.68 V2 35.252
 RC 121.426 GL -24.20 GP -6.55 ZAL 67.70 ZAP 146.51 ETS 350.96 ZAE 132.64 ETE 185.72 ZAC 116.10 ETC 13.62 CLP-147.08

PLANETOCENTRIC CONIC

C3 10.488 VHL 3.239 DLA -22.32 RAL 170.38 RAD 6567.4 VEL 11.484 PTH 2.00 VHP 4.533 DPA 8.34 RAP 151.07 ECC 1.1726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 41 15 1290.25 8.43 348.10 24.05 117.13 10 2 45 690.3 12.01 341.24
 90.00 15 3 18 5496.93 28.30 254.64 28.90 89.12 16 34 55 4896.9 27.88 246.00
 100.00 10 46 24 1079.96 7.15 331.95 23.36 119.10 11 4 24 480.0 10.98 325.25
 100.00 16 40 49 5182.45 29.76 231.45 28.85 87.03 18 7 12 4582.4 29.03 222.72
 110.00 11 21 12 970.87 4.12 321.81 21.49 123.96 11 37 23 370.9 8.55 315.53
 110.00 18 22 31 4864.31 33.30 206.88 28.44 81.77 19 43 35 4264.3 31.80 197.97

DIFFERENTIAL CORRECTIONS

TDE-1.7881 TRA 1.1796 TC3-5.6076 BAU .7896
 RDE .0170 RRA .1684 RC3 -.5200 FAU .08016
 FDE-2.7489 FRA 2.2587 FC3-6.6165 BSP 16762
 BDE 1.7882 BRA 1.1916 BC3 5.6316 FSP -2215

MID-COURSE EXECUTION ACCURACY

SGT 5318.8 SGR 466.9 SG3 673.0
 RRT .7467 RRF .7390 RTF .9823
 SGB 5339.2 R23 .0045 R13 .9823
 SG1 5330.2 SG2 309.9 THA 3.76

ORBIT DETERMINATION ACCURACY

ST 3236.9 SR 101.7 SS 1971.8
 CRT -.0873 CRS .0389 CST -.9987
 LSA 3789.3 MSA 131.0 SSA 17.3
 EL1 3237.0 EL2 101.3 ALF 179.84

LAUNCH DATE MAY 28 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 513.136

RL 151.59 LAL .00 LOL 246.00 VL 26.755 GAL 3.52 AZL 92.90 HCA 234.39 SMA 128.21 ECC .19211 INC 2.9007 V1 29.390
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.872 GAP 6.04 AZP 88.31 TAL 164.86 TAP 39.25 RCA 103.58 APO 152.84 V2 35.255
 RC 123.648 GL -24.00 GP -6.02 ZAL 66.04 ZAP 148.66 ETS 350.91 ZAE 131.61 ETE 185.19 ZAC 114.87 ETC 13.80 CLP-149.18

PLANETOCENTRIC CONIC

C3 11.039 VHL 3.323 DLA -22.85 RAL 172.09 RAD 6567.4 VEL 11.508 PTH 2.00 VHP 4.717 DPA 8.45 RAP 152.33 ECC 1.1817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 18 1274.85 8.91 347.22 26.63 116.99 10 16 33 674.8 12.46 340.34
 90.00 15 2 51 5533.23 28.31 257.30 31.60 90.46 16 35 4 4933.2 28.08 248.64
 100.00 10 59 28 1067.75 7.55 331.27 25.90 119.01 11 17 15 467.7 11.37 324.55
 100.00 16 41 22 5215.56 29.85 233.91 31.58 88.32 18 8 18 4615.6 29.30 225.15
 110.00 11 32 38 963.77 4.39 321.44 23.95 123.93 11 48 41 363.8 8.82 315.15
 110.00 18 24 42 4892.31 33.55 209.03 31.25 83.02 19 46 14 4292.3 32.22 200.05

DIFFERENTIAL CORRECTIONS

TDE-1.8864 TRA 1.3078 TC3-5.4596 BAU .8088
 RDE .0385 RRA .1679 RC3 -.4704 FAU .07325
 FDE-2.6229 FRA 2.2340 FC3-5.7442 BSP 17173
 BDE 1.8868 BRA 1.3185 BC3 5.4798 FSP -2061

MID-COURSE EXECUTION ACCURACY

SGT 5452.8 SGR 448.1 SG3 626.1
 RRT .6902 RRF .6793 RTF .9818
 SGB 5471.2 R23 -.0011 R13 .9818
 SG1 5461.6 SG2 323.7 THA 3.26

ORBIT DETERMINATION ACCURACY

ST 3336.6 SR 115.7 SS 1913.6
 CRT -.3782 CRS .3339 CST -.9988
 LSA 3845.8 MSA 133.9 SSA 17.4
 EL1 3336.9 EL2 107.1 ALF 179.25

LAUNCH DATE MAY 28 1967

FLIGHT TIME 186.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 519.159

RL 151.59 LAL .00 LOL 246.00 VL 26.730 GAL 3.80 AZL 92.95 HCA 237.63 SMA 128.05 ECC .19510 INC 2.9512 V1 29.390
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.856 GAP 6.44 AZP 88.42 TAL 163.93 TAP 41.57 RCA 103.06 APO 153.03 V2 35.257
 RC 125.861 GL -23.72 GP -5.56 ZAL 64.36 ZAP 150.68 ETS 350.83 ZAE 130.68 ETE 184.76 ZAC 113.54 ETC 13.93 CLP-151.16

PLANETOCENTRIC CONIC

C3 11.649 VHL 3.413 DLA -23.32 RAL 173.85 RAD 6567.4 VEL 11.534 PTH 2.01 VHP 4.909 DPA 8.45 RAP 153.69 ECC 1.1917
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 9 1 1262.26 9.30 346.49 29.29 116.87 10 30 3 662.3 12.83 339.60
 90.00 15 3 10 5568.09 28.27 259.85 34.37 91.73 16 35 58 4968.1 28.21 251.18
 100.00 11 12 12 1058.30 7.87 330.74 28.52 118.93 11 29 51 458.3 11.67 324.01
 100.00 16 42 40 5247.28 29.89 236.27 34.39 89.56 18 10 7 4647.3 29.51 227.48
 110.00 11 43 49 959.17 4.56 321.20 26.50 123.91 11 59 48 359.2 8.99 314.90
 110.00 18 27 32 4919.18 33.75 211.10 34.15 84.23 19 49 31 4319.2 32.59 202.06

DIFFERENTIAL CORRECTIONS

TDE-1.9846 TRA 1.4432 TC3-5.2966 BAU .8275
 RDE .0594 RRA .1677 RC3 -.4268 FAU .06704
 FDE-2.5050 FRA 2.2094 FC3-4.9823 BSP 17604
 BDE 1.9855 BRA 1.4529 BC3 5.3138 FSP -1926

MID-COURSE EXECUTION ACCURACY

SGT 5579.6 SGR 434.6 SG3 583.2
 RRT .6309 RRF .6169 RTF .9814
 SGB 5596.5 R23 -.0059 R13 .9814
 SG1 5586.4 SG2 336.7 THA 2.82

ORBIT DETERMINATION ACCURACY

ST 3426.1 SR 136.0 SS 1856.6
 CRT -.5553 CRS .5162 CST -.9988
 LSA 3896.7 MSA 137.1 SSA 17.4
 EL1 3426.9 EL2 113.1 ALF 178.74

LAUNCH DATE MAY 28 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 525.156

RL 151.59 LAL .00 LOL 246.00 VL 26.704 GAL 4.10 AZL 93.00 HCA 240.88 SMA 127.88 ECC .19831 INC 2.9981 V1 29.390
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.839 GAP 6.86 AZP 88.54 TAL 162.98 TAP 43.86 RCA 102.52 APO 153.24 V2 35.258
 RC 128.066 GL -23.38 GP -5.16 ZAL 62.65 ZAP 152.58 ETS 350.71 ZAE 129.84 ETE 184.41 ZAC 112.11 ETC 14.01 CLP-153.03

PLANETOCENTRIC CONIC

C3 12.325 VHL 3.511 DLA -23.73 RAL 175.65 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 5.108 DPA 8.35 RAP 155.13 ECC 1.2028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 22 21 1252.52 9.60 345.93 32.03 116.77 10 43 14 652.5 13.11 339.02
 90.00 15 4 12 5601.57 28.18 262.29 37.22 92.96 16 37 34 5001.6 28.29 253.63
 100.00 11 24 36 1051.61 8.09 330.36 31.23 118.88 11 42 7 451.6 11.88 323.63
 100.00 16 44 39 5277.71 29.88 238.53 37.28 90.75 18 12 37 4677.7 29.67 229.73
 110.00 11 54 45 957.03 4.65 321.09 29.12 123.90 12 10 42 357.0 9.07 314.79
 110.00 18 30 59 4945.05 33.91 213.10 37.12 85.41 19 53 24 4345.1 32.90 204.01

DIFFERENTIAL CORRECTIONS

TDE-2.0817 TRA 1.5875 TC3-5.1155 BAU .8453
 RDE .0801 RRA .1678 RC3 -.3877 FAU .06137
 FDE-2.3933 FRA 2.1863 FC3-4.3109 BSP 18023
 BDE 2.0833 BRA 1.5963 BC3 5.1301 FSP -1805

MID-COURSE EXECUTION ACCURACY

SGT 5696.7 SGR 425.0 SG3 543.8
 RRT .5701 RRF .5531 RTF .9810
 SGB 5712.6 R23 -.0101 R13 .9810
 SG1 5701.9 SG2 348.9 THA 2.44

ORBIT DETERMINATION ACCURACY

ST 3503.6 SR 158.7 SS 1799.8
 CRT -.6596 CRS .6251 CST -.9989
 LSA 3939.6 MSA 140.5 SSA 17.4
 EL1 3505.2 EL2 119.2 ALF 178.29

LAUNCH DATE MAY 28 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 531.124

RL 151.59 LAL .00 LOL 246.00 VL 26.677 GAL 4.41 AZL 93.04 HCA 244.13 SMA 127.70 ECC .20176 INC 3.0422 V1 29.390
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.821 GAP 7.27 AZP 88.67 TAL 162.00 TAP 46.13 RCA 101.94 APO 153.47 V2 35.259
 RC 130.261 GL -22.98 GP -4.81 ZAL 60.94 ZAP 154.37 ETS 350.55 ZAE 129.08 ETE 184.11 ZAC 110.60 ETC 14.05 CLP-154.80

PLANETOCENTRIC CONIC

C3 13.076 VHL 3.616 DLA -24.09 RAL 177.49 RAD 6567.5 VEL 11.596 PTH 2.03 VHP 5.314 DPA 8.17 RAP 156.65 ECC 1.2152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 35 14 1245.72 9.81 345.54 34.85 116.70 10 56 0 645.7 13.31 338.62
 90.00 15 5 57 5633.70 28.04 264.63 40.13 94.12 16 39 51 5033.7 28.32 255.98
 100.00 11 36 34 1047.74 8.21 330.15 34.00 118.84 11 54 2 447.7 12.00 323.41
 100.00 16 47 18 5306.91 29.84 240.70 40.24 91.90 18 15 45 4706.9 29.78 231.89
 110.00 12 5 23 957.37 4.63 321.11 31.80 123.91 12 21 20 357.4 9.05 314.81
 110.00 18 34 59 4970.05 34.03 215.05 40.17 86.55 19 57 49 4370.0 33.18 205.91

DIFFERENTIAL CORRECTIONS

TDE-2.1769 TRA 1.7424 TC3-4.9148 BAU .8613
 RDE .1007 RRA .1681 RC3 -.3517 FAU .05610
 FDE-2.2863 FRA 2.1672 FC3-3.7143 BSP 18399
 BDE 2.1792 BRA 1.7504 BC3 4.9274 FSP -1691

MID-COURSE EXECUTION ACCURACY

SGT 5803.2 SGR 418.6 SG3 507.4
 RRT .5088 RRF .4892 RTF .9806
 SGB 5818.2 R23 -.0135 R13 .9806
 SG1 5807.1 SG2 360.1 THA 2.11

ORBIT DETERMINATION ACCURACY

ST 3568.2 SR 182.1 SS 1742.6
 CRT -.7233 CRS .6923 CST -.9990
 LSA 3972.5 MSA 144.4 SSA 17.3
 EL1 3570.6 EL2 125.6 ALF 177.88

LAUNCH DATE MAY 28 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 537.063

RL 151.59 LAL .00 LOL 246.00 VL 26.650 GAL 4.74 AZL 93.08 HCA 247.38 SMA 127.53 ECC .20546 INC 3.0839 V1 29.390
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.802 GAP 7.70 AZP 88.81 TAL 161.01 TAP 48.38 RCA 101.32 APO 153.73 V2 35.259
 RC 132.447 GL -22.52 GP -4.50 ZAL 59.22 ZAP 156.08 ETS 350.34 ZAE 128.39 ETE 183.86 ZAC 109.00 ETC 14.07 CLP-156.48

PLANETOCENTRIC CONIC

C3 13.912 VHL 3.730 DLA -24.39 RAL 179.34 RAD 6567.5 VEL 11.632 PTH 2.04 VHP 5.529 DPA 7.90 RAP 158.24 ECC 1.2290
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 47 37 1241.95 9.92 345.33 37.71 116.66 11 8 19 641.9 13.42 338.40
 90.00 15 8 24 5664.47 27.87 266.87 43.11 95.23 16 42 48 5064.5 28.30 258.23
 100.00 11 48 5 1046.71 8.25 330.09 36.82 118.83 12 5 32 446.7 12.03 323.35
 100.00 16 50 36 5334.94 29.76 242.78 43.26 92.99 18 19 31 4734.9 29.85 233.97
 110.00 12 15 41 960.17 4.53 321.25 34.54 123.92 12 31 41 360.2 8.95 314.96
 110.00 18 39 30 4994.24 34.11 216.93 43.29 87.66 20 2 44 4394.2 33.41 207.76

DIFFERENTIAL CORRECTIONS

TDE-2.2677 TRA 1.9114 TC3-4.6905 BAU .8744
 RDE .1215 RRA .1684 RC3 -.3180 FAU .05103
 FDE-2.1803 FRA 2.1552 FC3-3.1755 BSP 18671
 BDE 2.2710 BRA 1.9188 BC3 4.7012 FSP -1577

MID-COURSE EXECUTION ACCURACY

SGT 5896.8 SGR 414.5 SG3 473.6
 RRT .4482 RRF .4266 RTF .9800
 SGB 5911.3 R23 -.0161 R13 .9800
 SG1 5899.7 SG2 370.3 THA 1.81

ORBIT DETERMINATION ACCURACY

ST 3616.8 SR 205.3 SS 1682.9
 CRT -.7637 CRS .7352 CST -.9990
 LSA 3991.6 MSA 149.1 SSA 17.2
 EL1 3620.2 EL2 132.4 ALF 177.51

LAUNCH DATE MAY 28 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 542.969

RL 151.59 LAL .00 LOL 246.00 VL 26.623 GAL 5.10 AZL 93.12 HCA 250.62 SMA 127.35 ECC .20943 INC 3.1237 V1 29.390
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.781 GAP 8.13 AZP 88.96 TAL 159.99 TAP 50.62 RCA 100.68 APO 154.02 V2 35.258
 RC 134.624 GL -22.03 GP -4.22 ZAL 57.50 ZAP 157.70 ETS 350.09 ZAE 127.77 ETE 183.64 ZAC 107.34 ETC 14.06 CLP-158.08

PLANETOCENTRIC CONIC

C3 14.846 VHL 3.853 DLA -24.65 RAL 181.21 RAD 6567.6 VEL 11.672 PTH 2.05 VHP 5.751 DPA 7.56 RAP 159.88 ECC 1.2443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 59 24 1241.33 9.94 345.29 40.63 116.65 11 20 5 641.3 13.44 338.36
 90.00 15 11 31 5693.84 27.67 268.99 46.14 96.28 16 46 25 5093.8 28.25 260.38
 100.00 11 59 5 1048.62 8.18 330.20 39.69 118.85 12 16 34 448.6 11.97 323.46
 100.00 16 54 30 5361.79 29.64 244.77 46.34 94.03 18 23 52 4761.8 29.89 235.97
 110.00 12 25 36 965.46 4.33 321.53 37.33 123.94 12 41 42 365.5 8.75 315.24
 110.00 18 44 29 5017.71 34.16 218.76 46.47 88.75 20 8 7 4417.7 33.61 209.56

DIFFERENTIAL CORRECTIONS

TDE-2.3612 TRA 2.0878 TC3-4.4646 BAU .8879
 RDE .1425 RRA .1683 RC3 -.2871 FAU .04656
 FDE-2.0852 FRA 2.1410 FC3-2.7152 BSP 19005
 BDE 2.3655 BRA 2.0946 BC3 4.4738 FSP -1482

MID-COURSE EXECUTION ACCURACY

SGT 5986.2 SGR 411.9 SG3 442.8
 RRT .3886 RRF .3651 RTF .9796
 SGB 6000.3 R23 -.0185 R13 .9796
 SG1 5988.3 SG2 379.4 THA 1.54

ORBIT DETERMINATION ACCURACY

ST 3659.2 SR 227.5 SS 1627.3
 CRT -.7910 SR .7647 CST -.9990
 LSA 4008.1 MSA 153.7 SSA 16.9
 EL1 3663.6 EL2 139.0 ALF 177.18

LAUNCH DATE MAY 28 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 548.840

RL 151.59 LAL .00 LOL 246.00 VL 26.595 GAL 5.47 AZL 93.16 HCA 253.87 SMA 127.17 ECC .21368 INC 3.1619 V1 29.390
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.760 GAP 8.58 AZP 89.12 TAL 158.96 TAP 52.84 RCA 99.99 APO 154.34 V2 35.256
 RC 136.791 GL -21.49 GP -3.98 ZAL 55.79 ZAP 159.24 ETS 349.78 ZAE 127.20 ETE 183.46 ZAC 105.62 ETC 14.03 CLP-159.61

PLANETOCENTRIC CONIC

C3 15.889 VHL 3.986 DLA -24.86 RAL 183.08 RAD 6567.6 VEL 11.716 PTH 2.06 VHP 5.983 DPA 7.15 RAP 161.57 ECC 1.2615
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 10 32 1243.98 9.86 345.44 43.58 116.68 11 31 16 644.0 13.36 338.52
 90.00 15 15 19 5721.77 27.44 271.01 49.22 97.26 16 50 41 5121.8 28.17 262.42
 100.00 12 9 32 1053.48 8.02 330.47 42.61 118.89 12 27 5 453.5 11.82 323.74
 100.00 16 59 0 5387.50 29.51 246.67 49.47 95.02 18 28 47 4787.5 29.89 237.88
 110.00 12 35 7 973.23 4.03 321.94 40.15 123.97 12 51 20 373.2 8.46 315.65
 110.00 18 49 54 5040.51 34.18 220.54 49.71 89.80 20 13 55 4440.5 33.78 211.32

DIFFERENTIAL CORRECTIONS

TDE-2.4538 TRA 2.2764 TC3-4.2286 BAU .8999
 RDE .1637 RRA .1679 RC3 -.2581 FAU .04239
 FDE-1.9951 FRA 2.1301 FC3-2.3096 BSP 19318
 BDE 2.4592 BRA 2.2825 BC3 4.2365 FSP -1393

MID-COURSE EXECUTION ACCURACY

SGT 6067.0 SGR 410.5 SG3 414.4
 RRT .3304 RRF .3056 RTF .9792
 SGB 6080.9 R23 -.0204 R13 .9791
 SG1 6068.6 SG2 387.3 THA 1.29

ORBIT DETERMINATION ACCURACY

ST 3690.5 SR 248.6 SS 1572.4
 CRT -.8100 CRS .7853 CST -.9991
 LSA 4016.1 MSA 158.5 SSA 16.7
 EL1 3696.0 EL2 145.6 ALF 176.87

LAUNCH DATE MAY 28 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 554.673

RL 151.59 LAL .00 LOL 246.00 VL 26.567 GAL 5.87 AZL 93.20 HCA 257.12 SMA 126.98 ECC .21825 INC 3.1989 V1 29.390
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.738 GAP 9.03 AZP 89.29 TAL 157.92 TAP 55.04 RCA 99.27 APO 154.70 V2 35.254
 RC 138.949 GL -20.92 GP -3.76 ZAL 54.09 ZAP 160.72 ETS 349.42 ZAE 126.68 ETE 183.29 ZAC 103.85 ETC 13.99 CLP-161.08

PLANETOCENTRIC CONIC

C3 17.058 VHL 4.130 OLA -25.03 RAL 184.95 RAD 6567.7 VEL 11.766 PTH 2.08 VHP 6.225 DPA 6.69 RAP 163.31 ECC 1.2807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 20 57 1249.98 9.68 345.79 46.57 116.74 11 41 47 650.0 13.19 338.87
 90.00 15 19 47 5748.23 27.20 272.91 52.35 98.18 16 55 36 5148.2 28.05 264.34
 100.00 12 19 22 1061.34 7.77 330.91 45.55 118.96 12 37 4 461.3 11.57 324.19
 100.00 17 4 3 5412.10 29.35 248.48 52.65 95.96 18 34 15 4812.1 29.86 239.71
 110.00 12 44 12 983.48 3.64 322.47 43.01 124.01 13 0 35 383.5 8.08 316.20
 110.00 18 55 43 5062.73 34.17 222.28 52.99 90.83 20 20 6 4462.7 33.91 213.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5460 TRA 2.4773 TC3-3.9858 BAU .9105 SGT 6140.0 SGR 409.8 SG3 388.2 ST 3712.0 SR 268.5 SS 1519.0
 RDE .1855 RRA .1670 RC3 -.2309 FAU .03853 RRT .2738 RRF .2480 RTF .9787 CRT -.8235 CRS .8002 CST -.9991
 FDE-1.9105 FRA 2.1217 FC3-1.9554 BSP 19598 SGB 6153.7 R23 -.0219 R13 .9787 LSA 4016.4 MSA 163.4 SSA 16.4
 BDE 2.5527 BRA 2.4829 BC3 3.9925 FSP -1311 SG1 6141.1 SG2 394.1 THA 1.05 EL1 3718.6 EL2 152.1 ALF 176.59

LAUNCH DATE MAY 28 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 560.465

RL 151.59 LAL .00 LOL 246.00 VL 26.538 GAL 6.29 AZL 93.23 HCA 260.37 SMA 126.80 ECC .22315 INC 3.2349 V1 29.390
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.715 GAP 9.50 AZP 89.46 TAL 156.87 TAP 57.23 RCA 98.50 APO 155.09 V2 35.251
 RC 141.095 GL -20.32 GP -3.57 ZAL 52.42 ZAP 162.15 ETS 348.98 ZAE 126.21 ETE 183.14 ZAC 102.03 ETC 13.94 CLP-162.50

PLANETOCENTRIC CONIC

C3 18.368 VHL 4.286 OLA -25.15 RAL 186.80 RAD 6567.7 VEL 11.822 PTH 2.09 VHP 6.477 DPA 6.17 RAP 165.09 ECC 1.3023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 30 37 1259.38 9.39 346.33 49.57 116.84 11 51 36 659.4 12.91 339.43
 90.00 15 24 55 5773.23 26.95 274.69 55.52 99.05 17 1 8 5173.2 27.92 266.16
 100.00 12 28 35 1072.21 7.41 331.52 48.51 119.04 12 46 27 472.2 11.22 324.81
 100.00 17 9 37 5435.63 29.17 250.20 55.88 96.85 18 40 13 4835.6 29.81 241.46
 110.00 12 52 49 996.18 3.16 323.14 45.89 124.05 13 9 25 396.2 7.60 316.88
 110.00 19 1 53 5084.42 34.14 223.97 56.32 91.83 20 26 37 4484.4 34.02 214.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6344 TRA 2.6948 TC3-3.7300 BAU .9174 SGT 6202.2 SGR 409.6 SG3 363.9 ST 3720.0 SR 287.3 SS 1465.0
 RDE .2077 RRA .1654 RC3 -.2053 FAU .03477 RRT .2192 RRF .1931 RTF .9782 CRT -.8329 CRS .8105 CST -.9992
 FDE-1.8277 FRA 2.1187 FC3-1.6386 BSP 19764 SGB 6215.7 R23 -.0228 R13 .9782 LSA 4004.8 MSA 168.7 SSA 16.1
 BDE 2.6426 BRA 2.6999 BC3 3.7357 FSP -1227 SG1 6202.8 SG2 399.6 THA .83 EL1 3727.7 EL2 158.7 ALF 176.31

LAUNCH DATE MAY 28 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 566.211

RL 151.59 LAL .00 LOL 246.00 VL 26.509 GAL 6.74 AZL 93.27 HCA 263.61 SMA 126.61 ECC .22842 INC 3.2702 V1 29.390
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.691 GAP 9.99 AZP 89.64 TAL 155.81 TAP 59.42 RCA 97.69 APO 155.53 V2 35.247
 RC 143.232 GL -19.70 GP -3.39 ZAL 50.76 ZAP 163.52 ETS 348.47 ZAE 125.77 ETE 183.01 ZAC 100.16 ETC 13.89 CLP-163.86

PLANETOCENTRIC CONIC

C3 19.840 VHL 4.454 OLA -25.24 RAL 188.63 RAD 6567.8 VEL 11.884 PTH 2.11 VHP 6.741 DPA 5.61 RAP 166.90 ECC 1.3265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 39 29 1272.22 8.99 347.06 52.58 116.96 12 0 41 672.2 12.54 340.18
 90.00 15 30 39 5796.76 26.68 276.36 58.74 99.84 17 7 16 5196.8 27.77 267.87
 100.00 12 37 8 1086.08 6.95 332.29 51.48 119.15 12 55 14 486.1 10.78 325.60
 100.00 17 15 41 5458.13 28.97 251.85 59.14 97.70 18 46 40 4858.1 29.74 243.13
 110.00 13 0 58 1011.32 2.58 323.93 48.78 124.10 13 17 49 411.3 7.04 317.68
 110.00 19 8 21 5105.66 34.08 225.63 59.69 92.81 20 33 26 4505.7 34.10 216.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7272 TRA 2.9222 TC3-3.4811 BAU .9246 SGT 6260.4 SGR 409.6 SG3 341.6 ST 3724.2 SR 304.5 SS 1415.5
 RDE .2305 RRA .1630 RC3 -.1816 FAU .03142 RRT .1656 RRF .1394 RTF .9779 CRT -.8402 CRS .8188 CST -.9992
 FDE-1.7541 FRA 2.1148 FC3-1.3710 BSP 20015 SGB 6273.8 R23 -.0236 R13 .9779 LSA 3991.9 MSA 173.6 SSA 15.7
 BDE 2.7369 BRA 2.9267 BC3 3.4859 FSP -1157 SG1 6260.8 SG2 403.9 THA .62 EL1 3733.0 EL2 164.8 ALF 176.06

LAUNCH DATE MAY 28 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 571.906

RL 151.59 LAL .00 LOL 246.00 VL 26.480 GAL 7.22 AZL 93.31 HCA 266.86 SMA 126.43 ECC .23409 INC 3.3051 V1 29.390
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.667 GAP 10.50 AZP 89.82 TAL 154.74 TAP 61.60 RCA 96.83 APO 156.02 V2 35.243
 RC 145.356 GL -19.07 GP -3.24 ZAL 49.14 ZAP 164.84 ETS 347.87 ZAE 125.36 ETE 182.88 ZAC 98.26 ETC 13.84 CLP-165.19

PLANETOCENTRIC CONIC

C3 21.496 VHL 4.636 OLA -25.28 RAL 190.44 RAD 6567.9 VEL 11.953 PTH 2.13 VHP 7.018 DPA 5.01 RAP 168.74 ECC 1.3538
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 47 33 1288.47 8.49 347.99 55.60 117.12 12 9 1 688.5 12.06 341.13
 90.00 15 37 0 5818.90 26.42 277.93 61.98 100.59 17 13 59 5218.9 27.61 269.47
 100.00 12 45 1 1102.91 6.39 333.23 54.46 119.26 13 3 24 502.9 10.24 326.56
 100.00 17 22 12 5479.69 28.77 253.42 62.43 98.50 18 53 32 4879.7 29.64 244.72
 110.00 13 8 38 1028.84 1.91 324.85 51.69 124.14 13 25 46 428.8 6.38 318.61
 110.00 19 15 5 5126.52 34.00 227.25 63.09 93.77 20 40 32 4526.5 34.15 218.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8207 TRA 3.1643 TC3-3.2326 BAU .9301 SGT 6311.8 SGR 409.6 SG3 321.0 ST 3720.5 SR 320.4 SS 1368.2
 RDE .2538 RRA .1596 RC3 -.1596 FAU .02831 RRT .1135 RRF .0875 RTF .9776 CRT -.8455 CRS .8250 CST -.9992
 FDE-1.6856 FRA 2.1135 FC3-1.1401 BSP 20237 SGB 6325.1 R23 -.0241 R13 .9776 LSA 3973.0 MSA 178.4 SSA 15.4
 BDE 2.8321 BRA 3.1684 BC3 3.2365 FSP -1091 SG1 6312.0 SG2 407.0 THA .42 EL1 3730.4 EL2 170.6 ALF 175.83

LAUNCH DATE MAY 28 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 577.546

RL 151.59 LAL .00 LOL 246.00 VL 26.451 GAL 7.73 AZL 93.34 HCA 270.10 SMA 126.24 ECC .24019 INC 3.3398 V1 29.390
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.641 GAP 11.02 AZP 90.01 TAL 153.67 TAP 63.77 RCA 95.92 APO 156.56 V2 35.237
 RC 147.469 GL -18.42 GP -3.10 ZAL 47.55 ZAP 166.13 ETS 347.15 ZAE 124.98 ETE 182.77 ZAC 96.33 ETC 13.79 CLP-166.47

PLANETOCENTRIC CONIC

C3 23.363 VHL 4.834 OLA -25.29 RAL 192.21 RAD 6567.9 VEL 12.031 PTH 2.15 VHP 7.310 DPA 4.37 RAP 170.60 ECC 1.3845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 54 47 1308.06 7.88 349.11 58.61 117.29 12 16 35 708.1 11.48 342.28
 90.00 15 43 53 5839.71 26.15 279.39 65.26 101.27 17 21 13 5239.7 27.44 270.96
 100.00 12 52 13 1122.62 5.73 334.32 57.45 119.39 13 10 56 522.6 9.60 327.67
 100.00 17 29 8 5500.38 28.55 254.92 65.75 99.26 19 0 48 4900.4 29.53 246.25
 110.00 13 15 47 1048.69 1.15 325.88 54.61 124.17 13 33 16 448.7 5.63 319.65
 110.00 19 22 3 5147.07 33.90 228.85 66.52 94.71 20 47 51 4547.1 34.18 219.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9149 TRA 3.4224 TC3-2.9847 BAU .9332 SGT 6355.9 SGR 409.6 SG3 301.9 ST 3709.2 SR 334.7 SS 1322.8
 RDE .2776 RRA .1551 RC3 -.1391 FAU .02537 RRT .0627 RRF .0373 RTF .9773 CRT -.8495 CRS .8297 CST -.9993
 FDE-1.6215 FRA 2.1148 FC3 -.9400 BSP 20434 SGB 6369.0 R23 -.0243 R13 .9773 LSA 3948.0 MSA 183.0 SSA 15.0
 BDE 2.9281 BRA 3.4259 BC3 2.9879 FSP -1030 SG1 6355.9 SG2 408.8 THA .23 EL1 3720.1 EL2 176.1 ALF 175.61

LAUNCH DATE MAY 28 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 583.123

RL 151.59 LAL .00 LOL 246.00 VL 26.422 GAL 8.27 AZL 93.37 HCA 273.34 SMA 126.06 ECC .24678 INC 3.3744 V1 29.390
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.615 GAP 11.57 AZP 90.20 TAL 152.61 TAP 65.95 RCA 94.95 APO 157.16 V2 35.231
 RC 149.570 GL -17.75 GP -2.97 ZAL 45.99 ZAP 167.38 ETS 346.30 ZAE 124.62 ETE 182.66 ZAC 94.37 ETC 13.74 CLP-167.73

PLANETOCENTRIC CONIC

C3 25.471 VHL 5.047 OLA -25.27 RAL 193.94 RAD 6568.0 VEL 12.118 PTH 2.17 VHP 7.617 DPA 3.70 RAP 172.47 ECC 1.4192
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 1 13 1330.88 7.16 350.41 61.62 117.47 12 23 24 730.9 10.79 343.60
 90.00 15 51 15 5859.32 25.88 280.77 68.57 101.91 17 28 55 5259.3 27.26 272.37
 100.00 12 58 45 1145.12 4.98 335.57 60.43 119.51 13 17 51 545.1 8.87 328.94
 100.00 17 36 25 5520.31 28.32 256.35 69.10 99.98 19 8 25 4920.3 29.41 247.72
 110.00 13 22 27 1070.82 .30 327.04 57.52 124.18 13 40 17 470.8 4.79 320.82
 110.00 19 29 13 5167.37 33.77 230.42 69.97 95.63 20 55 20 4567.4 34.18 221.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0108 TRA 3.6969 TC3-2.7405 BAU .9341 SGT 6393.3 SGR 409.3 SG3 284.2 ST 3691.7 SR 347.6 SS 1279.9
 RDE .3021 RRA .1493 RC3 -.1204 FAU .02261 RRT .0128 RRF -.0115 RTF .9772 CRT -.8524 CRS .8333 CST -.9993
 FDE-1.5621 FRA 2.1186 FC3 -.7684 BSP 20608 SGB 6406.4 R23 -.0241 R13 .9772 LSA 3918.2 MSA 187.3 SSA 14.7
 BDE 3.0259 BRA 3.6999 BC3 2.7432 FSP -973 SG1 6393.3 SG2 409.3 THA .05 EL1 3703.6 EL2 181.2 ALF 175.40

LAUNCH DATE MAY 28 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 588.630

RL 151.59 LAL .00 LOL 246.00 VL 26.392 GAL 8.85 AZL 93.41 HCA 276.59 SMA 125.87 ECC .25389 INC 3.4093 V1 29.390
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.588 GAP 12.15 AZP 90.39 TAL 151.54 TAP 68.13 RCA 93.91 APO 157.83 V2 35.225
 RC 151.657 GL -17.09 GP -2.85 ZAL 44.48 ZAP 168.60 ETS 345.27 ZAE 124.27 ETE 182.56 ZAC 92.39 ETC 13.70 CLP-168.96

PLANETOCENTRIC CONIC

C3 27.858 VHL 5.278 OLA -25.21 RAL 195.63 RAD 6568.1 VEL 12.216 PTH 2.20 VHP 7.943 DPA 3.00 RAP 174.37 ECC 1.4585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 53 1356.78 6.35 351.87 64.61 117.65 12 29 30 756.8 10.00 345.10
 90.00 15 59 4 5877.86 25.61 282.06 71.89 102.51 17 37 2 5277.9 27.08 273.70
 100.00 13 4 38 1170.31 4.13 336.96 63.39 119.63 13 24 8 570.3 8.05 330.36
 100.00 17 44 0 5539.56 28.09 257.74 72.46 100.67 19 16 19 4939.6 29.27 249.13
 110.00 13 28 36 1095.13 -.63 328.30 60.43 124.18 13 46 51 495.1 3.86 322.09
 110.00 19 36 31 5187.50 33.63 231.98 73.44 96.54 21 2 59 4587.5 34.17 222.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1060 TRA 3.9922 TC3-2.4975 BAU .9310 SGT 6423.6 SGR 408.8 SG3 267.8 ST 3665.9 SR 358.9 SS 1238.4
 RDE .3272 RRA .1421 RC3 -.1033 FAU .01993 RRT -.0355 RRF -.0583 RTF .9771 CRT -.8542 CRS .8356 CST -.9993
 FDE-1.5053 FRA 2.1270 FC3 -.6193 BSP 20696 SGB 6436.6 R23 .0235 R13 -.9771 LSA 3881.3 MSA 191.5 SSA 14.3
 BDE 3.1231 BRA 3.9947 BC3 2.4996 FSP -915 SG1 6423.6 SG2 408.6 THA 179.87 EL1 3678.8 EL2 185.9 ALF 175.21

LAUNCH DATE MAY 28 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 594.056

RL 151.59 LAL .00 LOL 246.00 VL 26.363 GAL 9.47 AZL 93.44 HCA 279.83 SMA 125.68 ECC .26158 INC 3.4446 V1 29.390
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.561 GAP 12.75 AZP 90.59 TAL 150.49 TAP 70.32 RCA 92.81 APO 158.56 V2 35.217
 RC 153.730 GL -16.42 GP -2.75 ZAL 43.01 ZAP 169.79 ETS 344.00 ZAE 123.94 ETE 182.46 ZAC 90.40 ETC 13.67 CLP-170.16

PLANETOCENTRIC CONIC

C3 30.567 VHL 5.529 OLA -25.12 RAL 197.27 RAD 6568.2 VEL 12.326 PTH 2.22 VHP 8.288 DPA 2.27 RAP 176.27 ECC 1.5030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 11 47 1385.59 5.44 353.50 67.58 117.83 12 34 52 785.6 9.12 346.75
 90.00 16 7 14 607.43 25.35 305.37 75.23 103.06 16 17 21 7.4 26.90 297.05
 100.00 13 9 52 1198.04 3.20 338.49 66.35 119.74 13 29 50 598.0 7.13 331.91
 100.00 17 51 50 5558.25 27.85 259.07 75.84 101.34 19 24 28 4958.2 29.13 250.50
 110.00 13 34 15 1121.54 -1.64 329.68 63.34 124.15 13 52 57 521.5 2.86 323.48
 110.00 19 43 56 5207.51 33.46 233.51 76.92 97.43 21 10 43 4607.5 34.13 224.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2073 TRA 4.3033 TC3-2.2659 BAU .9267 SGT 6448.8 SGR 408.0 SG3 252.7 ST 3638.3 SR 368.6 SS 1201.1
 RDE .3529 RRA .1334 RC3 -.0879 FAU .01749 RRT -.0836 RRF -.1048 RTF .9772 CRT -.8558 CRS .8378 CST -.9994
 FDE-1.4554 FRA 2.1360 FC3 -.4954 BSP 20838 SGB 6461.7 R23 .0229 R13 -.9772 LSA 3844.1 MSA 194.9 SSA 13.9
 BDE 3.2267 BRA 4.3054 BC3 2.2676 FSP -865 SG1 6448.9 SG2 406.6 THA 179.70 EL1 3652.0 EL2 189.9 ALF 175.03

LAUNCH DATE MAY 28 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 599.391

RL 151.59 LAL .00 LOL 246.00 VL 26.333 GAL 10.14 AZL 93.48 HCA 283.07 SMA 125.50 ECC .26991 INC 3.4806 V1 29.390
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.533 GAP 13.39 AZP 90.79 TAL 149.45 TAP 72.51 RCA 91.63 APO 159.37 V2 35.210
 RC 155.789 GL -15.74 GP -2.65 ZAL 41.59 ZAP 170.96 ETS 342.41 ZAE 123.62 ETE 182.36 ZAC 88.39 ETC 13.66 CLP-171.35

PLANETOCENTRIC CONIC

C3 33.649 VHL 5.801 DLA -25.00 RAL 198.85 RAD 6568.3 VEL 12.451 PTH 2.25 VHP 8.656 DPA 1.53 RAP 178.18 ECC 1.5538
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 15 58 1417.11 4.43 355.27 70.53 118.00 12 39 35 817.1 8.14 348.56
 90.00 16 15 41 624.27 25.08 306.54 78.59 103.59 16 26 6 24.3 26.71 298.24
 100.00 13 14 28 1228.19 2.18 340.14 69.29 119.82 13 34 57 628.2 6.13 333.59
 100.00 17 59 52 5576.46 27.59 260.37 79.22 101.97 19 32 48 4976.5 28.97 251.83
 110.00 13 39 25 1149.97 -2.72 331.17 66.24 124.09 13 58 35 550.0 1.77 324.96
 110.00 19 51 25 5227.44 33.28 235.04 80.40 98.32 21 18 32 4627.4 34.07 225.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.3122 TRA 4.6353 TC3-2.0414 BAU .9189 SGT 6467.9 SGR 406.9 SG3 238.6 ST 3606.2 SR 376.7 SS 1166.4
 RDE .3791 RRA .1229 RC3 -.0740 FAU .01517 RRT -.1310 RRF -.1503 RTF .9773 CRT -.8570 CRS .8396 CST -.9994
 FDE-1.4097 FRA 2.1482 FC3 -.3904 BSP 20971 SGB 6480.7 R23 .0219 R13 -.9774 LSA 3803.7 MSA 197.8 SSA 13.6
 BDE 3.3338 BRA 4.6369 BC3 2.0427 FSP -819 SG1 6468.1 SG2 403.4 THA 179.53 EL1 3620.7 EL2 193.3 ALF 174.87

LAUNCH DATE MAY 28 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 604.622

RL 151.59 LAL .00 LOL 246.00 VL 26.304 GAL 10.85 AZL 93.52 HCA 286.31 SMA 125.32 ECC .27897 INC 3.5175 V1 29.390
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.504 GAP 14.07 AZP 90.99 TAL 148.42 TAP 74.73 RCA 90.36 APO 160.28 V2 35.201
 RC 157.834 GL -15.07 GP -2.57 ZAL 40.22 ZAP 172.10 ETS 340.37 ZAE 123.30 ETE 182.27 ZAC 86.38 ETC 13.65 CLP-172.53

PLANETOCENTRIC CONIC

C3 37.166 VHL 6.096 DLA -24.86 RAL 200.38 RAD 6568.4 VEL 12.591 PTH 2.28 VHP 9.049 DPA .76 RAP 180.09 ECC 1.6117
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 19 27 1451.14 3.34 357.18 73.46 118.14 12 43 38 851.1 7.08 350.49
 90.00 16 24 22 640.46 24.82 307.65 81.94 104.09 16 35 3 40.5 26.52 299.39
 100.00 13 18 28 1260.60 1.08 341.92 72.21 119.87 13 39 29 660.6 5.05 335.38
 100.00 18 8 2 5594.27 27.34 261.63 82.61 102.59 19 41 17 4994.3 28.80 253.13
 110.00 13 44 4 1180.30 -3.88 332.75 69.12 123.99 14 3 45 580.3 .61 326.54
 110.00 19 58 56 5247.33 33.07 236.56 83.88 99.19 21 26 23 4647.3 33.99 227.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.4213 TRA 4.9898 TC3-1.8253 BAU .9075 SGT 6481.1 SGR 405.5 SG3 225.5 ST 3570.3 SR 383.1 SS 1134.5
 RDE .4060 RRA .1106 RC3 -.0618 FAU .01297 RRT -.1778 RRF -.1948 RTF .9777 CRT -.8579 CRS .8409 CST -.9994
 FDE-1.3682 FRA 2.1637 FC3 -.3021 BSP 21076 SGB 6493.8 R23 .0207 R13 -.9777 LSA 3760.5 MSA 200.1 SSA 13.2
 BDE 3.4453 BRA 4.9911 BC3 1.8264 FSP -775 SG1 6481.5 SG2 399.0 THA 179.36 EL1 3585.5 EL2 196.0 ALF 174.72

LAUNCH DATE MAY 28 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 609.730

RL 151.59 LAL .00 LOL 246.00 VL 26.275 GAL 11.61 AZL 93.56 HCA 289.54 SMA 125.14 ECC .28883 INC 3.5557 V1 29.390
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.475 GAP 14.80 AZP 91.19 TAL 147.42 TAP 76.96 RCA 88.99 APO 161.28 V2 35.192
 RC 159.863 GL -14.40 GP -2.49 ZAL 38.91 ZAP 173.23 ETS 337.64 ZAE 122.98 ETE 182.18 ZAC 84.36 ETC 13.66 CLP-173.70

PLANETOCENTRIC CONIC

C3 41.195 VHL 6.418 DLA -24.69 RAL 201.84 RAD 6568.6 VEL 12.750 PTH 2.32 VHP 9.471 DPA -.01 RAP 182.00 ECC 1.6780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 22 18 1487.48 2.17 359.21 76.36 118.24 12 47 6 887.5 5.93 352.54
 90.00 16 33 13 656.12 24.56 308.72 85.30 104.56 16 44 9 56.1 26.32 300.50
 100.00 13 21 53 1295.12 -.09 343.81 75.10 119.89 13 43 28 695.1 3.89 337.29
 100.00 18 16 19 5611.75 27.07 262.86 85.99 103.19 19 49 51 5011.7 28.62 254.40
 110.00 13 48 15 1212.44 -5.10 334.44 71.98 123.85 14 8 27 612.4 -.62 328.22
 110.00 20 6 27 5267.19 32.84 238.06 87.36 100.06 21 34 14 4667.2 33.88 228.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.5317 TRA 5.3730 TC3-1.6146 BAU .8897 SGT 6488.6 SGR 403.6 SG3 213.4 ST 3528.6 SR 387.9 SS 1104.7
 RDE .4334 RRA .0961 RC3 -.0512 FAU .01078 RRT -.2234 RRF -.2379 RTF .9781 CRT -.8582 CRS .8416 CST -.9994
 FDE-1.3290 FRA 2.1847 FC3 -.2265 BSP 21069 SGB 6501.1 R23 .0191 R13 -.9781 LSA 3712.3 MSA 202.0 SSA 12.8
 BDE 3.5582 BRA 5.3739 BC3 1.6154 FSP -730 SG1 6489.2 SG2 393.4 THA 179.20 EL1 3544.4 EL2 198.2 ALF 174.59

LAUNCH DATE MAY 28 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 614.697

RL 151.59 LAL .00 LOL 246.00 VL 26.246 GAL 12.44 AZL 93.60 HCA 292.78 SMA 124.96 ECC .29959 INC 3.5954 V1 29.390
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.446 GAP 15.57 AZP 91.39 TAL 146.45 TAP 79.23 RCA 87.52 APO 162.39 V2 35.183
 RC 161.876 GL -13.73 GP -2.41 ZAL 37.65 ZAP 174.33 ETS 333.84 ZAE 122.65 ETE 182.09 ZAC 82.34 ETC 13.68 CLP-174.87

PLANETOCENTRIC CONIC

C3 45.826 VHL 6.769 DLA -24.49 RAL 203.24 RAD 6568.7 VEL 12.930 PTH 2.36 VHP 9.926 DPA -.80 RAP 183.91 ECC 1.7542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 24 31 1525.92 .93 1.35 79.22 118.30 12 49 57 925.9 4.71 354.71
 90.00 16 42 9 671.32 24.29 309.76 88.64 105.02 16 53 21 71.3 26.12 301.56
 100.00 13 24 43 1331.59 -1.33 345.82 77.96 119.87 13 46 55 731.6 2.65 339.29
 100.00 18 24 39 5628.92 26.80 264.06 89.35 103.76 19 58 28 5028.9 28.43 255.64
 110.00 13 51 55 1246.27 -6.38 336.22 74.83 123.65 14 12 42 646.3 -1.91 329.98
 110.00 20 13 56 5287.00 32.60 239.55 90.81 100.91 21 42 3 4687.0 33.76 230.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.6537 TRA 5.7781 TC3-1.4185 BAU .8694 SGT 6490.8 SGR 401.5 SG3 202.1 ST 3487.9 SR 391.2 SS 1079.3
 RDE .4614 RRA .0794 RC3 -.0419 FAU .00878 RRT -.2693 RRF -.2813 RTF .9787 CRT -.8589 CRS .8429 CST -.9995
 FDE-1.2966 FRA 2.2075 FC3 -.1658 BSP 21170 SGB 6503.2 R23 .0175 R13 -.9788 LSA 3666.4 MSA 202.8 SSA 12.4
 BDE 3.6827 BRA 5.7786 BC3 1.4191 FSP -693 SG1 6491.7 SG2 386.6 THA 179.04 EL1 3504.1 EL2 199.4 ALF 174.48

LAUNCH DATE MAY 29 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 7 1967

HELIOCENTRIC CONIC

DISTANCE 145.526

RL 151.62 LAL .00 LOL 246.96 VL 19.646 GAL 9.43 AZL 92.92 HCA 52.69 SMA 97.25 ECC .57532 INC 2.9248 V1 29.385
 RP 108.93 LAP -2.33 LOP 299.61 VP 32.742 GAP -34.52 AZP 91.77 TAL 172.88 TAP 225.57 RCA 41.30 APO 153.20 V2 34.789
 RC 53.566 GL -5.41 GP .93 ZAL 73.79 ZAP 22.80 ETS 183.60 ZAE 156.83 ETE 157.97 ZAC 121.54 ETC 18.74 CLP 22.79

PLANETOCENTRIC CONIC

C3 110.132 VHL 10.494 DLA -2.28 RAL 171.66 RAD 6570.1 VEL 15.214 PTH 2.73 VHP 20.181 DPA 17.87 RAP 146.12 ECC 2.8125
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 21 2554.39 -26.10 64.19 61.31 101.39 7 23 55 1954.4 -24.27 56.00
 90.00 18 5 30 5340.05 27.61 243.23 63.50 83.45 19 34 30 4740.0 26.41 234.76
 100.00 8 1 38 2295.43 -27.58 44.80 60.97 102.01 8 39 53 1695.4 -25.65 36.53
 100.00 19 27 55 5074.24 29.11 223.48 63.29 82.89 20 52 29 4474.2 27.82 214.91
 110.00 9 7 26 2089.44 -31.59 28.11 59.91 103.80 9 42 15 1489.4 -29.37 19.61
 110.00 20 38 36 4853.00 33.18 206.02 62.63 81.28 21 59 29 4253.0 31.62 197.14

DIFFERENTIAL CORRECTIONS

TDE .5507 TRA-1.3205 TC3 -.0897 BAU .1411
 RDE -.7206 RRA -.3675 RC3 .0336 FAU .01506
 FDE -.3204 FRA .5284 FC3 -.1184 BSP 2129
 BDE .9069 BRA 1.3707 BC3 .0958 FSP -76

MID-COURSE EXECUTION ACCURACY

SGT 804.0 SGR 447.3 SG3 36.2
 RRT .0370 RRF -.0356 RTF -.6354
 SGB 920.1 R23 -.0016 R13 -.6355
 SG1 804.3 SG2 446.9 THA 1.70

ORBIT DETERMINATION ACCURACY

ST 370.5 SR 398.0 SS 340.6
 CRT -.7138 CRS -.8179 CST .9851
 LSA 603.7 MSA 216.9 SSA 13.9
 EL1 503.6 EL2 205.1 ALF 132.14

LAUNCH DATE MAY 29 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 151.728

RL 151.62 LAL .00 LOL 246.96 VL 20.227 GAL 9.05 AZL 92.97 HCA 55.85 SMA 98.93 ECC .54896 INC 2.9714 V1 29.385
 RP 108.94 LAP -2.46 LOP 302.77 VP 33.092 GAP -32.84 AZP 91.67 TAL 172.40 TAP 228.25 RCA 44.62 APO 153.24 V2 34.786
 RC 51.953 GL -5.99 GP .97 ZAL 73.05 ZAP 21.25 ETS 183.78 ZAE 158.06 ETE 155.18 ZAC 120.00 ETC 18.36 CLP 21.23

PLANETOCENTRIC CONIC

C3 98.461 VHL 9.923 DLA -3.12 RAL 172.12 RAD 6569.9 VEL 14.826 PTH 2.68 VHP 19.294 DPA 17.40 RAP 147.74 ECC 2.6204
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 24 2504.90 -25.39 60.74 59.67 102.98 7 31 8 1904.9 -23.35 52.66
 90.00 18 1 8 5342.35 27.63 243.39 62.58 83.53 19 30 11 4742.3 26.44 234.93
 100.00 8 9 17 2247.19 -26.85 41.40 59.28 103.65 8 46 44 1647.2 -24.71 33.26
 100.00 19 23 56 5075.28 29.12 223.55 62.38 82.93 20 48 31 4475.3 27.83 214.99
 110.00 9 14 11 2044.01 -30.80 24.80 58.11 105.61 9 48 15 1444.0 -28.36 16.46
 110.00 20 35 31 4851.23 33.16 205.88 61.72 81.20 21 56 22 4251.2 31.59 197.01

DIFFERENTIAL CORRECTIONS

TDE .5483 TRA-1.3124 TC3 -.0907 BAU .1297
 RDE -.6859 RRA -.3511 RC3 .0386 FAU .01543
 FDE -.3362 FRA .5445 FC3 -.1356 BSP 2227
 BDE .8781 BRA 1.3586 BC3 .0986 FSP -84

MID-COURSE EXECUTION ACCURACY

SGT 841.8 SGR 451.6 SG3 39.5
 RRT .0392 RRF -.0372 RTF -.6543
 SGB 955.3 R23 -.0012 R13 -.6544
 SG1 842.1 SG2 451.1 THA 1.69

ORBIT DETERMINATION ACCURACY

ST 390.0 SR 400.7 SS 360.2
 CRT -.7136 CRS -.8214 CST .9842
 LSA 627.0 MSA 221.5 SSA 14.2
 EL1 517.6 EL2 211.5 ALF 133.91

LAUNCH DATE MAY 29 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 157.997

RL 151.62 LAL .00 LOL 246.96 VL 20.768 GAL 8.66 AZL 93.01 HCA 59.01 SMA 100.59 ECC .52359 INC 3.0146 V1 29.385
 RP 108.94 LAP -2.58 LOP 305.94 VP 33.423 GAP -31.25 AZP 91.55 TAL 171.95 TAP 230.96 RCA 47.92 APO 153.26 V2 34.785
 RC 50.440 GL -6.61 GP 1.01 ZAL 72.40 ZAP 19.72 ETS 184.01 ZAE 159.39 ETE 151.86 ZAC 118.44 ETC 18.00 CLP 19.69

PLANETOCENTRIC CONIC

C3 88.092 VHL 9.386 DLA -3.95 RAL 172.49 RAD 6569.7 VEL 14.472 PTH 2.63 VHP 18.441 DPA 16.91 RAP 149.35 ECC 2.4498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 6 2454.62 -24.58 57.28 57.93 104.53 7 38 0 1854.6 -22.34 49.32
 90.00 17 56 24 5343.91 27.64 243.51 61.51 83.59 19 25 28 4743.9 26.46 235.04
 100.00 8 16 35 2198.19 -26.02 38.00 57.51 105.26 8 53 14 1598.2 -23.67 29.99
 100.00 19 19 36 5075.58 29.12 223.57 61.31 82.94 20 44 11 4475.6 27.84 215.01
 110.00 9 20 35 1997.82 -29.91 21.50 56.22 107.38 9 53 53 1397.8 -27.24 13.33
 110.00 20 32 5 4848.71 33.14 205.69 60.65 81.09 21 52 53 4248.7 31.55 196.83

DIFFERENTIAL CORRECTIONS

TDE .5483 TRA-1.3013 TC3 -.0893 BAU .1174
 RDE -.6519 RRA -.3347 RC3 .0443 FAU .01585
 FDE -.3532 FRA .5604 FC3 -.1557 BSP 2380
 BDE .8518 BRA 1.3437 BC3 .0997 FSP -94

MID-COURSE EXECUTION ACCURACY

SGT 879.9 SGR 455.2 SG3 43.2
 RRT .0399 RRF -.0384 RTF -.6738
 SGB 990.7 R23 -.0018 R13 -.6739
 SG1 880.2 SG2 454.7 THA 1.61

ORBIT DETERMINATION ACCURACY

ST 411.2 SR 402.7 SS 380.9
 CRT -.7158 CRS -.8255 CST .9836
 LSA 652.2 MSA 225.1 SSA 14.4
 EL1 533.1 EL2 216.9 ALF 135.84

LAUNCH DATE MAY 29 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 164.328

RL 151.62 LAL .00 LOL 246.96 VL 21.271 GAL 8.26 AZL 93.06 HCA 62.17 SMA 102.23 ECC .49923 INC 3.0550 V1 29.385
 RP 108.94 LAP -2.70 LOP 309.10 VP 33.737 GAP -29.73 AZP 91.43 TAL 171.53 TAP 233.71 RCA 51.19 APO 153.27 V2 34.784
 RC 49.035 GL -7.26 GP 1.05 ZAL 71.84 ZAP 18.19 ETS 184.30 ZAE 160.78 ETE 147.84 ZAC 116.87 ETC 17.66 CLP 18.16

PLANETOCENTRIC CONIC

C3 78.875 VHL 8.881 DLA -4.78 RAL 172.77 RAD 6569.5 VEL 14.150 PTH 2.58 VHP 17.621 DPA 16.42 RAP 150.98 ECC 2.2981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 28 2403.63 -23.66 53.82 56.11 106.03 7 44 31 1803.6 -21.24 45.99
 90.00 17 51 16 5344.88 27.65 243.58 60.30 83.62 19 20 21 4744.9 26.48 235.11
 100.00 8 23 33 2148.48 -25.08 34.60 55.65 106.82 8 59 22 1548.5 -22.54 26.73
 100.00 19 14 52 5075.27 29.12 223.55 60.10 82.92 20 39 27 4475.3 27.83 214.98
 110.00 9 26 39 1950.96 -28.91 18.22 54.26 109.08 9 59 10 1351.0 -26.04 10.22
 110.00 20 28 16 4845.55 33.10 205.45 59.44 80.95 21 49 1 4245.6 31.50 196.59

DIFFERENTIAL CORRECTIONS

TDE .5488 TRA-1.2891 TC3 -.0860 BAU .1052
 RDE -.6185 RRA -.3184 RC3 .0506 FAU .01632
 FDE -.3711 FRA .5761 FC3 -.1791 BSP 2538
 BDE .8269 BRA 1.3279 BC3 .0998 FSP -105

MID-COURSE EXECUTION ACCURACY

SGT 919.4 SGR 458.0 SG3 47.1
 RRT .0404 RRF -.0397 RTF -.6927
 SGB 1027.2 R23 -.0024 R13 -.6928
 SG1 919.6 SG2 457.5 THA 1.53

ORBIT DETERMINATION ACCURACY

ST 433.7 SR 403.8 SS 402.6
 CRT -.7184 CRS -.8296 CST .9831
 LSA 679.0 MSA 228.1 SSA 14.6
 EL1 549.6 EL2 221.7 ALF 137.84

LAUNCH DATE MAY 29 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 170.716

RL 151.62 LAL .00 LOL 246.96 VL 21.738 GAL 7.86 AZL 93.09 MCA 65.33 SMA 103.84 ECC .47590 INC 3.0932 V1 29.385
 RP 108.94 LAP -2.81 LOP 312.26 VP 34.034 GAP -28.29 AZP 91.29 TAL 171.16 TAP 236.49 RCA 54.42 APO 153.26 V2 34.784
 RC 47.750 GL -7.94 GP 1.09 ZAL 71.37 ZAP 16.67 ETS 184.66 ZAE 162.20 ETE 142.93 ZAC 115.28 ETC 17.33 CLP 16.63

PLANETOCENTRIC CONIC

C3 70.679 VHL 8.407 DLA -5.61 RAL 172.96 RAD 6569.4 VEL 13.858 PTH 2.53 VHP 16.832 DPA 15.91 RAP 152.59 ECC 2.1632
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 11 30 2351.99 -22.65 50.38 54.21 107.47 7 50 42 1752.0 -20.05 42.67
 90.00 17 45 44 5345.42 27.65 243.62 58.95 83.64 19 14 49 4745.4 26.48 235.14
 100.00 8 30 11 2098.14 -24.05 31.22 53.72 108.31 9 5 9 1498.1 -21.32 23.48
 100.00 19 9 43 5074.50 29.11 223.50 58.75 82.90 20 34 18 4474.5 27.82 214.93
 110.00 9 32 21 1903.50 -27.81 14.97 52.24 110.72 10 4 5 1303.5 -24.74 7.14
 110.00 20 24 3 4841.90 33.06 205.17 58.09 80.79 21 44 45 4241.9 31.44 196.33

DIFFERENTIAL CORRECTIONS

TDE .5500 TRA-1.2757 TC3 -.0804 BAU .0934
 RDE -.5860 RRA -.3023 RC3 .0576 FAU .01683
 FDE -.3903 FRA .5917 FC3 -.2062 BSP 2705
 BDE .8037 BRA 1.3110 BC3 .0989 FSP -116

MID-COURSE EXECUTION ACCURACY

SGT 960.2 SGR 460.1 SG3 51.5
 RRT .0409 RRF -.0409 RTF -.7110
 SGB 1064.7 R23 -.0032 R13 -.7111
 SG1 960.4 SG2 459.6 THA 1.46

ORBIT DETERMINATION ACCURACY

ST 457.4 SR 404.2 SS 425.6
 CRT -.7218 CRS -.8341 CST .9826
 LSA 707.4 MSA 230.4 SSA 14.9
 EL1 567.1 EL2 225.6 ALF 139.88

LAUNCH DATE MAY 29 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 177.156

RL 151.62 LAL .00 LOL 246.96 VL 22.173 GAL 7.47 AZL 93.13 MCA 68.50 SMA 105.41 ECC .45362 INC 3.1294 V1 29.385
 RP 108.94 LAP -2.91 LOP 315.42 VP 34.314 GAP -26.91 AZP 91.15 TAL 170.82 TAP 239.31 RCA 57.60 APO 153.23 V2 34.785
 RC 46.594 GL -8.67 GP 1.14 ZAL 70.99 ZAP 15.15 ETS 185.13 ZAE 163.60 ETE 136.88 ZAC 113.70 ETC 17.02 CLP 15.11

PLANETOCENTRIC CONIC

C3 63.393 VHL 7.962 DLA -6.44 RAL 173.05 RAD 6569.2 VEL 13.592 PTH 2.48 VHP 16.073 DPA 15.40 RAP 154.21 ECC 2.0433
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 12 2299.80 -21.54 46.95 52.25 108.84 7 56 32 1699.8 -18.77 39.37
 90.00 17 39 45 5345.69 27.65 243.64 57.47 83.65 19 8 51 4745.7 26.48 235.16
 100.00 8 36 29 2047.27 -22.92 27.86 51.73 109.73 9 10 36 1447.3 -20.02 20.27
 100.00 19 4 10 5073.44 29.10 223.42 57.28 82.86 20 28 43 4473.4 27.81 214.85
 110.00 9 37 43 1855.56 -26.62 11.75 50.17 112.29 10 8 38 1255.6 -23.36 4.11
 110.00 20 19 25 4837.93 33.02 204.87 56.61 80.62 21 40 3 4237.9 31.37 196.04

DIFFERENTIAL CORRECTIONS

TDE .5492 TRA-1.2634 TC3 -.0735 BAU .0834
 RDE -.5542 RRA -.2864 RC3 .0653 FAU .01739
 FDE -.4105 FRA .6076 FC3 -.2375 BSP 2821
 BDE .7803 BRA 1.2955 BC3 .0984 FSP -129

MID-COURSE EXECUTION ACCURACY

SGT 1003.5 SGR 461.4 SG3 56.2
 RRT .0431 RRF -.0425 RTF -.7271
 SGB 1104.5 R23 -.0029 R13 -.7272
 SG1 1003.8 SG2 460.9 THA 1.44

ORBIT DETERMINATION ACCURACY

ST 481.2 SR 403.7 SS 449.6
 CRT -.7236 CRS -.8384 CST .9817
 LSA 736.4 MSA 232.5 SSA 15.1
 EL1 584.8 EL2 229.3 ALF 141.86

LAUNCH DATE MAY 29 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 183.643

RL 151.62 LAL .00 LOL 246.96 VL 22.577 GAL 7.07 AZL 93.16 MCA 71.66 SMA 106.95 ECC .43238 INC 3.1641 V1 29.385
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.578 GAP -25.60 AZP 91.00 TAL 170.53 TAP 242.18 RCA 60.71 APO 153.19 V2 34.786
 RC 45.578 GL -9.44 GP 1.19 ZAL 70.71 ZAP 13.64 ETS 185.75 ZAE 164.90 ETE 129.42 ZAC 112.11 ETC 16.72 CLP 13.59

PLANETOCENTRIC CONIC

C3 56.914 VHL 7.544 DLA -7.27 RAL 173.04 RAD 6569.0 VEL 13.352 PTH 2.44 VHP 15.341 DPA 14.88 RAP 155.82 ECC 1.9367
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 35 2247.14 -20.35 43.55 50.23 110.13 8 2 2 1647.1 -17.42 36.10
 90.00 17 33 19 5345.87 27.65 243.65 55.87 83.65 19 2 25 4745.9 26.49 235.18
 100.00 8 42 26 1995.97 -21.70 24.54 49.68 111.08 9 15 42 1396.0 -18.64 17.08
 100.00 18 58 9 5072.27 29.09 223.33 55.68 82.81 20 22 41 4472.3 27.79 214.77
 110.00 9 42 43 1807.23 -25.33 8.59 48.05 113.76 10 12 50 1207.2 -21.90 1.11
 110.00 20 14 21 4833.78 32.97 204.56 55.01 80.43 21 34 55 4233.8 31.30 195.73

DIFFERENTIAL CORRECTIONS

TDE .5512 TRA-1.2475 TC3 -.0624 BAU .0736
 RDE -.5233 RRA -.2708 RC3 .0739 FAU .01802
 FDE -.4326 FRA .6230 FC3 -.2742 BSP 2993
 BDE .7600 BRA 1.2766 BC3 .0967 FSP -143

MID-COURSE EXECUTION ACCURACY

SGT 1047.1 SGR 461.9 SG3 61.5
 RRT .0437 RRF -.0439 RTF -.7436
 SGB 1144.4 R23 -.0036 R13 -.7437
 SG1 1047.3 SG2 461.4 THA 1.37

ORBIT DETERMINATION ACCURACY

ST 507.3 SR 402.3 SS 475.2
 CRT -.7279 CRS -.8432 CST .9813
 LSA 768.3 MSA 233.3 SSA 15.3
 EL1 604.7 EL2 231.4 ALF 143.91

LAUNCH DATE MAY 29 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 190.172

RL 151.62 LAL .00 LOL 246.96 VL 22.953 GAL 6.69 AZL 93.20 MCA 74.82 SMA 108.45 ECC .41218 INC 3.1976 V1 29.385
 RP 108.93 LAP -3.09 LOP 321.75 VP 34.827 GAP -24.34 AZP 90.84 TAL 170.28 TAP 245.09 RCA 63.75 APO 153.15 V2 34.788
 RC 44.711 GL -10.24 GP 1.25 ZAL 70.53 ZAP 12.13 ETS 186.56 ZAE 165.99 ETE 120.32 ZAC 110.51 ETC 16.44 CLP 12.07

PLANETOCENTRIC CONIC

C3 51.156 VHL 7.152 DLA -8.11 RAL 172.94 RAD 6568.9 VEL 13.135 PTH 2.40 VHP 14.637 DPA 14.36 RAP 157.43 ECC 1.8419
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 38 2194.14 -19.07 40.19 48.16 111.34 8 7 12 1594.1 -16.00 32.86
 90.00 17 26 24 5346.14 27.66 243.67 54.16 83.66 18 55 30 4746.1 26.49 235.20
 100.00 8 48 3 1944.36 -20.40 21.26 47.59 112.33 9 20 28 1344.4 -17.20 13.93
 100.00 18 51 39 5071.16 29.08 223.25 53.96 82.77 20 16 10 4471.2 27.78 214.69
 110.00 9 47 22 1758.65 -23.96 5.48 45.91 115.14 10 16 41 1158.7 -20.37 358.17
 110.00 20 8 50 4829.63 32.93 204.24 53.30 80.25 21 29 20 4229.6 31.23 195.43

DIFFERENTIAL CORRECTIONS

TDE .5535 TRA-1.2306 TC3 -.0476 BAU .0656
 RDE -.4933 RRA -.2555 RC3 .0833 FAU .01872
 FDE -.4563 FRA .6384 FC3 -.3169 BSP 3162
 BDE .7414 BRA 1.2568 BC3 .0960 FSP -159

MID-COURSE EXECUTION ACCURACY

SGT 1092.1 SGR 461.6 SG3 67.3
 RRT .0446 RRF -.0455 RTF -.7594
 SGB 1185.7 R23 -.0043 R13 -.7595
 SG1 1092.3 SG2 461.1 THA 1.31

ORBIT DETERMINATION ACCURACY

ST 534.6 SR 400.0 SS 502.4
 CRT -.7327 CRS -.8482 CST .9809
 LSA 802.2 MSA 233.5 SSA 15.5
 EL1 625.9 EL2 232.5 ALF 145.94

LAUNCH DATE MAY 29 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 196.739

RL 151.62 LAL .00 LOL 246.96 VL 23.303 GAL 6.31 AZL 93.23 HCA 77.98 SMA 109.90 ECC .39301 INC 3.2301 V1 29.385
 RP 108.92 LAP -3.16 LOP 324.92 VP 35.061 GAP -23.14 AZP 90.67 TAL 170.07 TAP 248.05 RCA 66.71 APO 153.09 V2 34.791
 RC 44.000 GL -11.09 GP 1.31 ZAL 70.44 ZAP 10.62 ETS 187.67 ZAE 166.75 ETE 109.58 ZAC 108.92 ETC 16.17 CLP 10.54

PLANETOCENTRIC CONIC

C3 46.041 VHL 6.785 DLA -8.94 RAL 172.72 RAD 6568.7 VEL 12.938 PTH 2.36 VHP 13.958 DPA 13.83 RAP 159.02 ECC 1.7577
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 22 2140.92 -17.72 36.87 46.06 112.46 8 12 3 1540.9 -14.52 29.65
 90.00 17 18 59 5346.71 27.66 243.71 52.34 83.68 18 48 5 4746.7 26.50 235.24
 100.00 8 53 21 1892.56 -19.03 18.02 45.47 113.50 9 24 53 1292.6 -15.69 10.82
 100.00 18 44 41 5070.30 29.08 223.19 52.15 82.74 20 9 11 4470.3 27.77 214.63
 110.00 9 51 40 1709.96 -22.52 2.43 43.73 116.43 10 20 10 1110.0 -18.78 355.28
 110.00 20 2 51 4825.66 32.88 203.94 51.48 80.08 21 23 17 4225.7 31.16 195.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5568 TRA-1.2120 TC3 -.0287 BAU .0603 SGT 1138.4 SGR 460.5 SG3 73.6 ST 563.6 SR 396.8 SS 531.6
 RDE -.4641 RRA -.2406 RC3 .0936 FAU .01951 RRT .0454 RRF -.0472 RTF -.7743 CRT -.7383 CRS -.8535 CST .9807
 FDE -.4824 FRA .6538 FC3 -.3668 BSP 3342 SGB 1228.0 R23 -.0052 R13 -.7744 LSA 838.6 MSA 232.7 SSA 15.7
 BDE .7249 BRA 1.2356 BC3 .0980 FSP -177 SG1 1138.6 SG2 459.9 THA 1.26 EL1 648.9 EL2 232.4 ALF 147.94

LAUNCH DATE MAY 29 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 203.338

RL 151.62 LAL .00 LOL 246.96 VL 23.627 GAL 5.94 AZL 93.26 HCA 81.14 SMA 111.30 ECC .37486 INC 3.2618 V1 29.385
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.281 GAP -21.98 AZP 90.50 TAL 169.92 TAP 251.06 RCA 69.58 APO 153.02 V2 34.795
 RC 43.455 GL -11.98 GP 1.38 ZAL 70.45 ZAP 9.10 ETS 189.22 ZAE 167.05 ETE 97.62 ZAC 107.34 ETC 15.92 CLP 9.00

PLANETOCENTRIC CONIC

C3 41.499 VHL 6.442 DLA -9.77 RAL 172.41 RAD 6568.6 VEL 12.762 PTH 2.32 VHP 13.305 DPA 13.30 RAP 160.61 ECC 1.6830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 47 2087.60 -16.30 33.60 43.92 113.48 8 16 34 1487.6 -12.98 26.49
 90.00 17 11 3 5347.75 27.67 243.78 50.43 83.72 18 40 10 4747.7 26.51 235.31
 100.00 8 58 18 1840.71 -17.59 14.84 43.32 114.57 9 28 59 1240.7 -14.13 7.76
 100.00 18 37 12 5069.87 29.07 223.16 50.24 82.72 20 1 42 4469.9 27.76 214.60
 110.00 9 55 36 1661.30 -21.01 359.46 41.54 117.60 10 23 17 1061.3 -17.15 352.46
 110.00 19 56 24 4822.04 32.84 203.67 49.57 79.92 21 16 46 4222.0 31.10 194.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5604 TRA-1.1920 TC3 -.0049 BAU .0582 SGT 1185.7 SGR 458.5 SG3 80.6 ST 593.8 SR 392.5 SS 562.5
 RDE -.4359 RRA -.2261 RC3 .1049 FAU .02038 RRT .0467 RRF -.0493 RTF -.7886 CRT -.7444 CRS -.8588 CST .9805
 FDE -.5108 FRA .6691 FC3 -.4251 BSP 3519 SGB 1271.2 R23 -.0060 R13 -.7887 LSA 877.2 MSA 231.2 SSA 15.9
 BDE .7100 BRA 1.2132 BC3 .1050 FSP -197 SG1 1185.9 SG2 457.9 THA 1.22 EL1 673.2 EL2 231.2 ALF 149.89

LAUNCH DATE MAY 29 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 209.966

RL 151.62 LAL .00 LOL 246.96 VL 23.928 GAL 5.58 AZL 93.29 HCA 84.31 SMA 112.65 ECC .35770 INC 3.2930 V1 29.385
 RP 108.90 LAP -3.28 LOP 331.26 VP 35.487 GAP -20.88 AZP 90.33 TAL 169.81 TAP 254.12 RCA 72.36 APO 152.95 V2 34.799
 RC 43.079 GL -12.91 GP 1.46 ZAL 70.57 ZAP 7.59 ETS 191.50 ZAE 166.82 ETE 85.33 ZAC 105.76 ETC 15.68 CLP 7.45

PLANETOCENTRIC CONIC

C3 37.472 VHL 6.121 DLA -10.61 RAL 171.99 RAD 6568.5 VEL 12.603 PTH 2.29 VHP 12.675 DPA 12.78 RAP 162.17 ECC 1.6167
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 53 2034.32 -14.83 30.38 41.76 114.40 8 20 47 1434.3 -11.41 23.37
 90.00 17 2 34 5349.45 27.68 243.91 48.44 83.78 18 31 44 4749.5 26.53 235.43
 100.00 9 2 56 1788.95 -16.10 11.73 41.14 115.53 9 32 45 1189.0 -12.53 4.75
 100.00 18 29 12 5070.05 29.07 223.17 48.25 82.73 19 53 42 4470.1 27.76 214.61
 110.00 9 59 10 1612.83 -19.45 356.56 39.34 118.68 10 26 3 1012.8 -15.48 349.70
 110.00 19 49 27 4818.95 32.80 203.44 47.58 79.79 21 9 46 4218.9 31.05 194.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5651 TRA-1.1703 TC3 .0242 BAU .0598 SGT 1234.0 SGR 455.7 SG3 88.4 ST 625.7 SR 387.3 SS 595.8
 RDE -.4087 RRA -.2121 RC3 .1170 FAU .02134 RRT .0481 RRF -.0516 RTF -.8021 CRT -.7512 CRS -.8644 CST .9804
 FDE -.5421 FRA .6844 FC3 -.4931 BSP 3703 SGB 1315.4 R23 -.0069 R13 -.8022 LSA 918.6 MSA 228.9 SSA 16.1
 BDE .6974 BRA 1.1894 BC3 .1195 FSP -219 SG1 1234.2 SG2 455.0 THA 1.18 EL1 699.5 EL2 228.7 ALF 151.78

LAUNCH DATE MAY 29 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 216.618

RL 151.62 LAL .00 LOL 246.96 VL 24.207 GAL 5.23 AZL 93.32 HCA 87.47 SMA 113.95 ECC .34153 INC 3.3238 V1 29.385
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.681 GAP -19.81 AZP 90.15 TAL 169.76 TAP 257.23 RCA 75.04 APO 152.87 V2 34.804
 RC 42.876 GL -13.89 GP 1.55 ZAL 70.79 ZAP 6.08 ETS 195.06 ZAE 166.06 ETE 73.78 ZAC 104.20 ETC 15.45 CLP 5.88

PLANETOCENTRIC CONIC

C3 33.903 VHL 5.823 DLA -11.45 RAL 171.46 RAD 6568.3 VEL 12.461 PTH 2.25 VHP 12.068 DPA 12.26 RAP 163.72 ECC 1.5580
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 40 1981.22 -13.31 27.22 39.58 115.23 8 24 41 1381.2 -9.80 20.30
 90.00 16 53 33 5352.00 27.70 244.09 46.37 83.87 18 22 45 4752.0 26.56 235.61
 100.00 9 7 14 1737.44 -14.56 8.67 38.95 116.40 9 36 11 1137.4 -10.90 1.80
 100.00 18 20 41 5071.02 29.08 223.24 46.19 82.76 19 45 12 4471.0 27.78 214.68
 110.00 10 2 24 1564.68 -17.86 353.74 37.12 119.64 10 28 28 964.7 -13.78 347.00
 110.00 19 42 0 4816.53 32.77 203.25 45.53 79.69 21 2 17 4216.5 31.00 194.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5704 TRA-1.1473 TC3 .0592 BAU .0647 SGT 1283.2 SGR 452.0 SG3 97.0 ST 659.2 SR 381.0 SS 631.3
 RDE -.3824 RRA -.1987 RC3 .1300 FAU .02242 RRT .0501 RRF -.0545 RTF -.8148 CRT -.7585 CRS -.8701 CST .9804
 FDE -.5765 FRA .6997 FC3 -.5726 BSP 3884 SGB 1360.5 R23 -.0080 R13 -.8149 LSA 962.8 MSA 225.9 SSA 16.3
 BDE .6867 BRA 1.1644 BC3 .1428 FSP -243 SG1 1283.4 SG2 451.3 THA 1.15 EL1 727.3 EL2 225.0 ALF 153.61

LAUNCH DATE MAY 29 1967

FLIGHT TIME 94.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 223.290

RL 151.62 LAL .00 LOL 246.96 VL 24.466 GAL 4.89 AZL 93.35 HCA 90.64 SMA 115.20 ECC .32631 INC 3.3545 V1 29.385
 RP 108.87 LAP -3.35 LOP 337.59 VP 35.862 GAP -18.79 AZP 89.96 TAL 169.75 TAP 260.39 RCA 77.61 APO 152.79 V2 34.809
 RC 42.849 GL -14.91 GP 1.64 ZAL 71.10 ZAP 4.60 ETS 201.18 ZAE 164.86 ETE 63.69 ZAC 102.65 ETC 15.24 CLP 4.30

PLANETOCENTRIC CONIC

C3 30.746 VHL 5.545 DLA -12.29 RAL 170.82 RAD 6568.2 VEL 12.334 PTH 2.22 VHP 11.483 DPA 11.75 RAP 165.25 ECC 1.5060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 10 1928.44 -11.76 24.12 37.38 115.95 8 28 18 1328.4 -8.17 17.27
 90.00 16 43 59 5355.55 27.73 244.35 44.25 84.00 18 13 15 4755.5 26.60 235.86
 100.00 9 11 13 1686.30 -12.99 5.69 36.75 117.16 9 39 19 1086.3 -9.25 358.90
 100.00 18 11 37 5072.92 29.10 223.38 44.07 82.84 19 36 10 4472.9 27.80 214.82
 110.00 10 5 16 1517.05 -16.23 351.00 34.91 120.50 10 30 33 917.0 -12.06 344.38
 110.00 19 34 4 4814.94 32.75 203.13 43.41 79.62 20 54 19 4214.9 30.97 194.36

DIFFERENTIAL CORRECTIONS

TDE .5767 TRA-1.1229 TC3 .1003 BAU .0721
 RDE -.3570 RRA -.1858 RC3 .1439 FAU .02362
 FDE -.6147 FRA .7151 FC3 -.6652 BSP .4061
 BDE .6783 BRA 1.1382 BC3 .1755 FSP -271

MID-COURSE EXECUTION ACCURACY

SGT 1333.3 SGR 447.4 SG3 106.5
 RRT .0525 RRF -.0581 RTF -.8267
 SGB 1406.4 R23 -.0092 R13 -.8267
 SG1 1333.5 SG2 446.7 THA 1.14

ORBIT DETERMINATION ACCURACY

ST 694.3 SR 373.6 SS 669.6
 CRT -.7664 CRS -.8759 CST .9805
 LSA 1010.1 MSA 222.2 SSA 16.4
 EL1 757.1 EL2 220.1 ALF 155.37

LAUNCH DATE MAY 29 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 229.978

RL 151.62 LAL .00 LOL 246.96 VL 24.706 GAL 4.56 AZL 93.39 HCA 93.80 SMA 116.39 ECC .31202 INC 3.3853 V1 29.385
 RP 108.85 LAP -3.38 LOP 340.77 VP 36.032 GAP -17.81 AZP 89.78 TAL 169.80 TAP 263.60 RCA 80.07 APO 152.71 V2 34.815
 RC 42.995 GL -15.97 GP 1.75 ZAL 71.52 ZAP 3.21 ETS 213.27 ZAE 163.33 ETE 55.32 ZAC 101.12 ETC 15.04 CLP 2.69

PLANETOCENTRIC CONIC

C3 27.955 VHL 5.287 DLA -13.12 RAL 170.08 RAD 6568.1 VEL 12.220 PTH 2.20 VHP 10.920 DPA 11.25 RAP 166.76 ECC 1.4601
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 22 1876.13 -10.18 21.09 35.18 116.57 8 31 38 1276.1 -6.53 14.31
 90.00 16 33 52 5360.24 27.76 244.69 42.07 84.17 18 3 13 4760.2 26.66 236.19
 100.00 9 14 53 1635.71 -11.40 2.77 34.54 117.82 9 42 9 1035.7 -7.59 356.06
 100.00 18 2 2 5075.90 29.12 223.60 41.89 82.95 19 26 38 4475.9 27.84 215.03
 110.00 10 7 46 1470.07 -14.59 348.35 32.69 121.26 10 32 16 870.1 -10.34 341.82
 110.00 19 25 39 4814.30 32.74 203.08 41.25 79.59 20 45 53 4214.3 30.96 194.32

DIFFERENTIAL CORRECTIONS

TDE .5842 TRA-1.0965 TC3 .1493 BAU .0814
 RDE -.3326 RRA -.1736 RC3 .1587 FAU .02498
 FDE -.6577 FRA .7304 FC3 -.7735 BSP .4257
 BDE .6723 BRA 1.1102 BC3 .2178 FSP -302

MID-COURSE EXECUTION ACCURACY

SGT 1383.6 SGR 442.0 SG3 117.1
 RRT .0555 RRF -.0623 RTF -.8381
 SGB 1452.5 R23 -.0105 R13 -.8382
 SG1 1383.9 SG2 441.3 THA 1.13

ORBIT DETERMINATION ACCURACY

ST 731.3 SR 365.1 SS 711.0
 CRT -.7751 CRS -.8818 CST .9808
 LSA 1061.1 MSA 217.8 SSA 16.6
 EL1 788.9 EL2 213.8 ALF 157.06

LAUNCH DATE MAY 29 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 236.678

RL 151.62 LAL .00 LOL 246.96 VL 24.928 GAL 4.25 AZL 93.42 HCA 96.97 SMA 117.53 ECC .29863 INC 3.4163 V1 29.385
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.191 GAP -16.86 AZP 89.59 TAL 169.89 TAP 266.86 RCA 82.43 APO 152.62 V2 34.822
 RC 43.312 GL -17.06 GP 1.87 ZAL 72.04 ZAP 2.14 ETS 240.92 ZAE 161.59 ETE 48.53 ZAC 99.62 ETC 14.85 CLP 1.04

PLANETOCENTRIC CONIC

C3 25.494 VHL 5.049 DLA -13.96 RAL 169.23 RAD 6568.0 VEL 12.119 PTH 2.17 VHP 10.378 DPA 10.77 RAP 168.24 ECC 1.4196
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 17 1824.42 -8.59 18.12 32.98 117.09 8 34 42 1224.4 -4.89 11.39
 90.00 16 23 12 5366.21 27.80 245.12 39.85 84.38 17 52 38 4766.2 26.73 236.62
 100.00 9 18 15 1585.80 -9.80 359.93 32.34 118.38 9 44 41 985.8 -5.93 353.28
 100.00 17 51 56 5080.07 29.16 223.90 39.68 83.11 19 16 36 4480.1 27.90 215.33
 110.00 10 9 56 1423.91 -12.94 345.79 30.48 121.92 10 33 40 823.9 -8.63 339.34
 110.00 19 16 44 4814.73 32.75 203.12 39.05 79.61 20 36 59 4214.7 30.97 194.35

DIFFERENTIAL CORRECTIONS

TDE .5919 TRA-1.0695 TC3 .2045 BAU .0916
 RDE -.3092 RRA -.1620 RC3 .1742 FAU .02647
 FDE -.7051 FRA .7461 FC3 -.8990 BSP .4430
 BDE .6678 BRA 1.0817 BC3 .2687 FSP -336

MID-COURSE EXECUTION ACCURACY

SGT 1434.4 SGR 435.8 SG3 128.9
 RRT .0600 RRF -.0679 RTF -.8486
 SGB 1499.2 R23 -.0119 R13 -.8487
 SG1 1434.7 SG2 434.9 THA 1.15

ORBIT DETERMINATION ACCURACY

ST 769.4 SR 355.5 SS 755.3
 CRT -.7836 CRS -.8875 CST .9811
 LSA 1114.9 MSA 213.1 SSA 16.7
 EL1 821.9 EL2 206.7 ALF 158.68

LAUNCH DATE MAY 29 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 243.388

RL 151.62 LAL .00 LOL 246.96 VL 25.133 GAL 3.95 AZL 93.45 HCA 100.14 SMA 118.60 ECC .28612 INC 3.4477 V1 29.385
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.340 GAP -15.95 AZP 89.39 TAL 170.03 TAP 270.17 RCA 84.67 APO 152.54 V2 34.830
 RC 43.796 GL -18.19 GP 2.00 ZAL 72.65 ZAP 2.10 ETS 287.55 ZAE 159.75 ETE 43.07 ZAC 98.14 ETC 14.67 CLP -.63

PLANETOCENTRIC CONIC

C3 23.327 VHL 4.830 DLA -14.78 RAL 168.29 RAD 6567.9 VEL 12.029 PTH 2.15 VHP 9.856 DPA 10.31 RAP 169.69 ECC 1.3839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 57 1773.45 -7.00 15.22 30.79 117.51 8 37 30 1173.5 -3.26 8.53
 90.00 16 12 0 5373.56 27.85 245.65 37.61 84.64 17 41 34 4773.6 26.81 237.14
 100.00 9 21 19 1536.71 -8.20 357.16 30.14 118.85 9 46 56 936.7 -4.29 350.56
 100.00 17 41 19 5085.53 29.20 224.30 37.44 83.31 19 6 5 4485.5 27.97 215.72
 110.00 10 11 46 1378.71 -11.30 343.31 28.27 122.48 10 34 44 778.7 -6.94 336.94
 110.00 19 7 22 4816.30 32.77 203.24 36.82 79.68 20 27 38 4216.3 31.00 194.46

DIFFERENTIAL CORRECTIONS

TDE .6043 TRA-1.0824 TC3 .2657 BAU .1020
 RDE -.2867 RRA -.1506 RC3 .1905 FAU .02816
 FDE -.7590 FRA .7623 FC3 -1.0452 BSP .4678
 BDE .6688 BRA 1.0928 BC3 .3269 FSP -375

MID-COURSE EXECUTION ACCURACY

SGT 1530.8 SGR 428.5 SG3 142.1
 RRT .0744 RRF -.0743 RTF -.8527
 SGB 1589.6 R23 -.0055 R13 -.8527
 SG1 1531.2 SG2 427.3 THA 1.29

ORBIT DETERMINATION ACCURACY

ST 820.2 SR 344.6 SS 803.5
 CRT -.7843 CRS -.8933 CST .9788
 LSA 1179.3 MSA 214.6 SSA 17.0
 EL1 866.3 EL2 202.4 ALF 160.66

LAUNCH DATE MAY 29 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 250.103

RL 151.62 LAL .00 LOL 246.96 VL 25.322 GAL 3.66 AZL 93.48 HCA 103.31 SMA 119.62 ECC .27446 INC 3.4798 V1 29.385
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.479 GAP -15.08 AZP 89.20 TAL 170.22 TAP 273.52 RCA 86.79 APO 152.45 V2 34.838
 RC 44.440 GL -19.35 GP 2.15 ZAL 73.34 ZAP 3.19 ETS 317.47 ZAE 157.90 ETE 38.69 ZAC 96.70 ETC 14.51 CLP -2.35

PLANETOCENTRIC CONIC

C3 21.422 VHL 4.628 DLA -15.61 RAL 167.25 RAD 6567.9 VEL 11.950 PTH 2.13 VHP 9.353 OPA 9.87 RAP 171.10 ECC 1.3526
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 21 1723.34 -5.41 12.39 28.60 117.84 8 40 5 1123.3 -1.65 5.73
 90.00 16 0 17 5382.36 27.90 246.29 35.35 84.96 17 30 0 4782.4 26.91 237.76
 100.00 9 24 7 1488.59 -6.61 354.48 27.95 119.22 9 48 55 888.6 -2.67 347.91
 100.00 17 30 13 5092.35 29.26 224.80 35.19 83.57 18 55 6 4492.4 28.06 216.20
 110.00 10 13 16 1334.63 -9.68 340.93 26.08 122.94 10 35 30 734.6 -5.27 334.61
 110.00 18 57 34 4819.08 32.80 203.45 34.59 79.80 20 17 53 4219.1 31.05 194.66

DIFFERENTIAL CORRECTIONS

TDE .6110 TRA-1.0101 TC3 .3380 BAU .1136
 RDE -.2649 RRA -.1407 RC3 .2073 FAU .03006
 FDE -.8193 FRA .7775 FC3-1.2148 BSP 4798
 BDE .6659 BRA 1.0198 BC3 .3966 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 1534.7 SGR 420.8 SG3 156.8
 RRT .0725 RRF -.0838 RTF -.8678
 SGB 1591.4 R23 -.0158 R13 -.8679
 SG1 1535.0 SG2 419.6 THA 1.23

ORBIT DETERMINATION ACCURACY

ST 850.8 SR 332.5 SS 855.1
 CRT -.8020 CRS -.8987 CST .9822
 LSA 1234.7 MSA 202.3 SSA 16.9
 EL1 893.7 EL2 189.0 ALF 161.75

LAUNCH DATE MAY 29 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 256.821

RL 151.62 LAL .00 LOL 246.96 VL 25.496 GAL 3.38 AZL 93.51 HCA 106.48 SMA 120.59 ECC .26361 INC 3.5127 V1 29.385
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.608 GAP -14.23 AZP 89.00 TAL 170.44 TAP 276.92 RCA 88.80 APO 152.37 V2 34.846
 RC 45.237 GL -20.54 GP 2.32 ZAL 74.12 ZAP 4.73 ETS 330.48 ZAE 156.09 ETE 35.15 ZAC 95.30 ETC 14.35 CLP -4.12

PLANETOCENTRIC CONIC

C3 19.753 VHL 4.444 DLA -16.42 RAL 166.12 RAD 6567.8 VEL 11.880 PTH 2.11 VHP 8.870 OPA 9.47 RAP 172.48 ECC 1.3251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 33 1674.21 -3.85 9.63 26.44 118.08 8 42 27 1074.2 -.06 2.99
 90.00 15 48 6 5392.69 27.96 247.04 33.08 85.33 17 17 58 4792.7 27.02 238.50
 100.00 9 26 39 1441.54 -5.04 351.87 25.78 119.50 9 50 41 841.5 -1.07 345.33
 100.00 17 18 40 5100.59 29.32 225.41 32.94 83.88 18 43 41 4500.6 28.16 216.80
 110.00 10 14 27 1291.78 -8.09 338.64 23.91 123.33 10 35 59 691.8 -3.65 332.36
 110.00 18 47 21 4823.11 32.85 203.75 32.35 79.97 20 7 44 4223.1 31.12 194.96

DIFFERENTIAL CORRECTIONS

TDE .6220 TRA -.9782 TC3 .4158 BAU .1248
 RDE -.2440 RRA -.1312 RC3 .2248 FAU .03219
 FDE -.8878 FRA .7933 FC3-1.4109 BSP 4983
 BDE .6682 BRA .9870 BC3 .4727 FSP -468

MID-COURSE EXECUTION ACCURACY

SGT 1583.7 SGR 412.2 SG3 173.2
 RRT .0817 RRF -.0950 RTF -.8765
 SGB 1636.5 R23 -.0183 R13 -.8766
 SG1 1584.1 SG2 410.7 THA 1.31

ORBIT DETERMINATION ACCURACY

ST 893.7 SR 319.0 SS 911.1
 CRT -.8113 CRS -.9039 CST .9828
 LSA 1300.7 MSA 196.5 SSA 16.9
 EL1 931.9 EL2 178.8 ALF 163.21

LAUNCH DATE MAY 29 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 263.538

RL 151.62 LAL .00 LOL 246.96 VL 25.656 GAL 3.12 AZL 93.55 HCA 109.65 SMA 121.49 ECC .25354 INC 3.5468 V1 29.385
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.729 GAP -13.42 AZP 88.81 TAL 170.71 TAP 280.36 RCA 90.69 APO 152.29 V2 34.856
 RC 46.178 GL -21.75 GP 2.51 ZAL 74.97 ZAP 6.45 ETS 336.92 ZAE 154.38 ETE 32.29 ZAC 93.94 ETC 14.20 CLP -5.94

PLANETOCENTRIC CONIC

C3 18.295 VHL 4.277 DLA -17.22 RAL 164.91 RAD 6567.7 VEL 11.818 PTH 2.09 VHP 8.405 OPA 9.10 RAP 173.81 ECC 1.3011
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 33 1626.15 -2.30 6.94 24.30 118.23 8 44 39 1026.1 1.49 .31
 90.00 15 35 27 5404.58 28.02 247.90 30.82 85.76 17 5 31 4804.6 27.14 239.35
 100.00 9 28 58 1395.69 -3.50 349.34 23.64 119.71 9 52 13 795.7 .48 342.81
 100.00 17 6 43 5110.27 29.38 226.12 30.69 84.25 18 31 53 4510.3 28.28 217.49
 110.00 10 15 22 1250.30 -6.53 336.44 21.76 123.63 10 36 12 650.3 -2.06 330.19
 110.00 18 36 48 4828.42 32.91 204.15 30.13 80.20 19 57 16 4228.4 31.21 195.34

DIFFERENTIAL CORRECTIONS

TDE .6327 TRA -.9460 TC3 .4976 BAU .1354
 RDE -.2237 RRA -.1223 RC3 .2427 FAU .03456
 FDE -.9648 FRA .8099 FC3-1.6357 BSP 5141
 BDE .6711 BRA .9539 BC3 .5537 FSP -522

MID-COURSE EXECUTION ACCURACY

SGT 1630.9 SGR 402.9 SG3 191.6
 RRT .0943 RRF -.1097 RTF -.8842
 SGB 1679.9 R23 -.0210 R13 -.8843
 SG1 1631.3 SG2 401.0 THA 1.42

ORBIT DETERMINATION ACCURACY

ST 936.4 SR 304.1 SS 971.1
 CRT -.8196 CRS -.9086 CST .9835
 LSA 1369.5 MSA 191.0 SSA 16.9
 EL1 970.1 EL2 168.2 ALF 164.62

LAUNCH DATE MAY 29 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 270.253

RL 151.62 LAL .00 LOL 246.96 VL 25.804 GAL 2.88 AZL 93.58 HCA 112.83 SMA 122.34 ECC .24423 INC 3.5822 V1 29.385
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.841 GAP -12.63 AZP 88.61 TAL 171.02 TAP 283.84 RCA 92.46 APO 152.22 V2 34.865
 RC 47.255 GL -22.97 GP 2.73 ZAL 75.88 ZAP 8.29 ETS 340.59 ZAE 152.80 ETE 29.97 ZAC 92.64 ETC 14.06 CLP -7.83

PLANETOCENTRIC CONIC

C3 17.024 VHL 4.126 DLA -18.01 RAL 163.63 RAD 6567.7 VEL 11.765 PTH 2.08 VHP 7.959 OPA 8.78 RAP 175.09 ECC 1.2802
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 23 1579.23 -.79 4.32 22.20 118.31 8 46 42 979.2 3.00 357.69
 90.00 15 22 24 5418.06 28.09 248.89 28.59 86.25 16 52 42 4818.1 27.27 240.31
 100.00 9 31 5 1351.11 -1.99 346.89 21.53 119.83 9 53 36 751.1 1.99 340.37
 100.00 16 54 23 5121.41 29.46 226.94 28.47 84.68 18 19 44 4521.4 28.41 218.29
 110.00 10 16 2 1210.28 -5.02 334.33 19.65 123.86 10 36 12 610.3 -.53 328.11
 110.00 18 25 56 4835.01 32.99 204.65 27.93 80.49 19 46 31 4235.0 31.32 195.82

DIFFERENTIAL CORRECTIONS

TDE .6450 TRA -.9121 TC3 .5869 BAU .1462
 RDE -.2039 RRA -.1142 RC3 .2610 FAU .03728
 FDE -1.0531 FRA .8262 FC3-1.8956 BSP 5310
 BDE .6764 BRA .9192 BC3 .8423 FSP -585

MID-COURSE EXECUTION ACCURACY

SGT 1676.4 SGR 393.0 SG3 212.4
 RRT .1104 RRF -.1283 RTF -.8917
 SGB 1721.8 R23 -.0244 R13 -.8919
 SG1 1677.0 SG2 390.4 THA 1.57

ORBIT DETERMINATION ACCURACY

ST 980.8 SR 287.7 SS 1036.5
 CRT -.8278 CRS -.9128 CST .9843
 LSA 1443.8 MSA 185.3 SSA 16.8
 EL1 1010.0 EL2 156.7 ALF 166.01

LAUNCH DATE MAY 29 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 276.963

RL 151.62 LAL .00 LOL 246.96 VL 25.939 GAL 2.65 AZL 93.62 HCA 116.00 SMA 123.13 ECC .23565 INC 3.6194 V1 29.385
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.945 GAP -11.87 AZP 88.41 TAL 171.35 TAP 287.35 RCA 94.12 APO 152.15 V2 34.875
 RC 48.458 GL -24.20 GP 2.97 ZAL 76.84 ZAP 10.22 ETS 342.87 ZAE 151.39 ETE 28.11 ZAC 91.40 ETC 13.92 CLP -9.79

PLANETOCENTRIC CONIC

C3 15.921 VHL 3.990 DLA -18.78 RAL 162.29 RAD 6567.6 VEL 11.718 PTH. 2.06 VHP 7.531 DPA 8.51 RAP 176.31 ECC 1.2620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 7 1533.48 .69 1.77 20.14 118.31 8 48 41 933.5 4.47 355.13
 90.00 15 8 58 5433.18 28.15 249.99 26.39 86.79 16 39 31 4833.2 27.41 241.40
 100.00 9 33 2 1307.86 -.52 344.51 19.47 119.89 9 54 50 707.9 3.46 337.99
 100.00 16 41 44 5134.03 29.53 227.87 26.28 85.16 18 7 18 4534.0 28.55 219.20
 110.00 10 16 28 1171.79 -3.55 332.31 17.58 124.02 10 36 0 571.8 .94 326.10
 110.00 18 14 48 4842.87 33.08 205.25 25.77 80.83 19 35 31 4242.9 31.46 196.40

DIFFERENTIAL CORRECTIONS

TDE .6574 TRA -.8772 TC3 .6784 BAU .1562
 RDE -.1846 RRA -.1068 RC3 .2799 FAU .04031
 FDE -1.1537 FRA .8430 FC3 -2.1918 BSP 5467
 BDE .6828 BRA .8837 BC3 .7339 FSP -656

MID-COURSE EXECUTION ACCURACY

SGT 1718.8 SGR 382.6 SG3 235.6
 RRT .1313 RRF -.1522 RTF -.8984
 SGB 1760.9 R23 -.0284 R13 -.8987
 SG1 1719.6 SG2 379.1 THA 1.76

ORBIT DETERMINATION ACCURACY

ST 1025.0 SR 269.5 SS 1107.0
 CRT -.8349 CRS -.9161 CST .9851
 LSA 1521.8 MSA 179.9 SSA 16.6
 EL1 1049.9 EL2 144.8 ALF 167.37

LAUNCH DATE MAY 29 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 283.666

RL 151.62 LAL .00 LOL 246.96 VL 26.063 GAL 2.43 AZL 93.66 HCA 119.18 SMA 123.87 ECC .22775 INC 3.6586 V1 29.385
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.042 GAP -11.13 AZP 88.21 TAL 171.71 TAP 290.89 RCA 95.66 APO 152.09 V2 34.886
 RC 49.776 GL -25.43 GP 3.25 ZAL 77.84 ZAP 12.26 ETS 344.37 ZAE 150.17 ETE 26.63 ZAC 90.24 ETC 13.79 CLP -11.83

PLANETOCENTRIC CONIC

C3 14.969 VHL 3.869 DLA -19.54 RAL 160.90 RAD 6567.6 VEL 11.677 PTH. 2.05 VHP 7.120 DPA 8.31 RAP 177.47 ECC 1.2464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 49 1488.91 2.13 359.29 18.14 118.24 8 50 38 888.9 5.89 352.62
 90.00 14 55 13 5449.96 28.21 251.21 24.24 87.41 16 26 3 4850.0 27.55 242.61
 100.00 9 34 54 1265.95 .90 342.22 17.46 119.88 9 56 0 666.0 4.87 335.68
 100.00 16 28 49 5148.15 29.61 228.91 24.14 85.70 17 54 37 4548.1 28.70 220.23
 110.00 10 16 44 1134.85 -2.14 330.38 15.56 124.12 10 35 39 534.9 2.35 324.17
 110.00 18 3 28 4852.01 33.17 205.94 23.66 81.23 19 24 20 4252.0 31.61 197.07

DIFFERENTIAL CORRECTIONS

TDE .6709 TRA -.8404 TC3 .7755 BAU .1664
 RDE -.1653 RRA -.1003 RC3 .2994 FAU .04378
 FDE -1.2690 FRA .8594 FC3 -2.5317 BSP 5650
 BDE .6910 BRA .8463 BC3 .8313 FSP -738

MID-COURSE EXECUTION ACCURACY

SGT 1758.1 SGR 372.0 SG3 262.0
 RRT .1587 RRF -.1831 RTF -.9053
 SGB 1797.1 R23 -.0333 R13 -.9056
 SG1 1759.2 SG2 367.1 THA 2.01

ORBIT DETERMINATION ACCURACY

ST 1069.8 SR 249.4 SS 1183.2
 CRT -.8409 CRS -.9182 CST .9860
 LSA 1605.0 MSA 174.4 SSA 16.4
 EL1 1090.5 EL2 132.4 ALF 168.74

LAUNCH DATE MAY 29 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 290.360

RL 151.62 LAL .00 LOL 246.96 VL 26.176 GAL 2.22 AZL 93.70 HCA 122.36 SMA 124.56 ECC .22051 INC 3.7004 V1 29.385
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.132 GAP -10.42 AZP 88.02 TAL 172.09 TAP 294.45 RCA 97.09 APO 152.03 V2 34.897
 RC 51.201 GL -26.66 GP 3.57 ZAL 78.86 ZAP 14.41 ETS 345.39 ZAE 149.14 ETE 25.50 ZAC 89.15 ETC 13.67 CLP -13.97

PLANETOCENTRIC CONIC

C3 14.152 VHL 3.762 DLA -20.28 RAL 159.49 RAD 6567.6 VEL 11.642 PTH. 2.04 VHP 6.727 DPA 8.18 RAP 178.57 ECC 1.2329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 33 1445.45 3.52 356.86 16.22 118.11 8 52 38 845.4 7.26 350.17
 90.00 14 41 11 5468.49 28.26 252.56 22.15 88.08 16 12 20 4868.5 27.69 243.94
 100.00 9 36 45 1225.36 2.27 339.99 15.52 119.81 9 57 10 625.4 6.22 333.43
 100.00 16 15 40 5163.81 29.68 230.07 22.07 86.31 17 41 44 4563.8 28.86 221.36
 110.00 10 16 54 1099.48 -.79 328.53 13.61 124.18 10 35 14 499.5 3.70 322.32
 110.00 17 52 0 4862.45 33.28 206.74 21.63 81.69 19 13 2 4262.4 31.77 197.84

DIFFERENTIAL CORRECTIONS

TDE .6826 TRA -.8043 TC3 .8680 BAU .1750
 RDE -.1459 RRA -.0944 RC3 .3198 FAU .04766
 FDE -1.4003 FRA .8771 FC3 -2.9159 BSP 5781
 BDE .6981 BRA .8098 BC3 .9250 FSP -830

MID-COURSE EXECUTION ACCURACY

SGT 1792.4 SGR 361.7 SG3 291.6
 RRT .1948 RRF -.2230 RTF -.9108
 SGB 1828.5 R23 -.0391 R13 -.9112
 SG1 1793.9 SG2 354.5 THA 2.34

ORBIT DETERMINATION ACCURACY

ST 1111.2 SR 227.1 SS 1264.8
 CRT -.8438 CRS -.9185 CST .9867
 LSA 1690.2 MSA 170.0 SSA 16.0
 EL1 1127.8 EL2 120.1 ALF 170.10

LAUNCH DATE MAY 29 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 297.043

RL 151.62 LAL .00 LOL 246.96 VL 26.279 GAL 2.03 AZL 93.75 HCA 125.54 SMA 125.20 ECC .21389 INC 3.7453 V1 29.385
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.216 GAP -9.74 AZP 87.82 TAL 172.48 TAP 298.03 RCA 98.42 APO 151.97 V2 34.908
 RC 52.722 GL -27.88 GP 3.95 ZAL 79.89 ZAP 16.68 ETS 346.09 ZAE 148.33 ETE 24.68 ZAC 88.15 ETC 13.55 CLP -16.21

PLANETOCENTRIC CONIC

C3 13.456 VHL 3.668 DLA -21.00 RAL 158.05 RAD 6567.5 VEL 11.612 PTH. 2.03 VHP 6.351 DPA 8.13 RAP 179.58 ECC 1.2214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 -8 31 24 1402.95 4.88 354.47 14.37 117.93 8 54 47 802.9 8.58 347.75
 90.00 14 26 53 5488.89 28.29 254.06 20.14 88.83 15 58 22 4888.9 27.83 245.42
 100.00 9 38 38 1185.98 3.60 337.82 13.67 119.69 9 58 24 586.0 7.53 331.23
 100.00 16 2 20 5181.09 29.75 231.35 20.08 86.98 17 28 41 4581.1 29.02 222.62
 110.00 10 17 2 1065.62 .50 326.76 11.74 124.18 10 34 48 465.6 4.98 320.55
 110.00 17 40 25 4874.21 33.39 207.64 19.67 82.21 19 1 40 4274.2 31.95 198.71

DIFFERENTIAL CORRECTIONS

TDE .6927 TRA -.7685 TC3 .9540 BAU .1823
 RDE -.1261 RRA -.0894 RC3 .3415 FAU .05202
 FDE -1.5498 FRA .8957 FC3 -3.3468 BSP 5871
 BDE .7041 BRA .7736 BC3 1.0133 FSP -932

MID-COURSE EXECUTION ACCURACY

SGT 1820.4 SGR 352.1 SG3 324.8
 RRT .2413 RRF -.2740 RTF -.9154
 SGB 1854.1 R23 -.0464 R13 -.9158
 SG1 1822.4 SG2 341.3 THA 2.77

ORBIT DETERMINATION ACCURACY

ST 1148.9 SR 202.2 SS 1351.7
 CRT -.8424 CRS -.9159 CST .9874
 LSA 1777.6 MSA 166.4 SSA 15.6
 EL1 1161.5 EL2 107.8 ALF 171.49

LAUNCH DATE MAY 29 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 303.714

RL 151.62 LAL .00 LOL 246.96 VL 26.372 GAL 1.86 AZL 93.79 HCA 128.73 SMA 125.78 ECC .20787 INC 3.7939 V1 29.385
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.293 GAP -9.07 AZP 87.62 TAL 172.88 TAP 301.61 RCA 99.63 APO 151.93 V2 34.920
 RC 54.330 GL -29.09 GP 4.38 ZAL 80.91 ZAP 19.07 ETS 346.56 ZAE 147.75 ETE 24.18 ZAC 87.25 ETC 13.43 CLP -18.58

PLANETOCENTRIC CONIC

C3 12.869 VHL 3.587 DLA -21.72 RAL 156.61 RAD 6567.5 VEL 11.587 PTH 2.03 VHP 5.993 DPA 8.19 RAP 180.51 ECC 1.2118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 32 1361.18 6.21 352.12 12.63 117.68 8 57 13 761.2 9.87 345.35
 90.00 14 12 17 5511.37 28.32 255.70 18.22 89.65 15 44 9 4911.4 27.97 247.05
 100.00 9 40 42 1147.64 4.89 335.71 11.91 119.53 9 59 49 547.6 8.79 329.08
 100.00 15 48 49 5200.14 29.81 232.76 18.18 87.72 17 15 29 4600.1 29.18 224.02
 110.00 10 17 13 1033.16 1.74 325.07 9.95 124.14 10 34 26 433.2 6.21 318.84
 110.00 17 28 47 4887.38 33.51 208.65 17.82 82.80 18 50 14 4287.4 32.15 199.68

DIFFERENTIAL CORRECTIONS

TDE .7025 TRA -.7318 TC3 1.0325 BAU .1884
 RDE -.1054 RRA -.0853 RC3 .3651 FAU .05691
 FDE -1.7224 FRA .9146 FC3-3.8286 BSP .5954
 BDE .7104 BRA .7367 BC3 1.0952 FSP -1048

MID-COURSE EXECUTION ACCURACY

SGT 1841.3 SGR 344.1 SG3 362.3
 RRT .2992 RRF -.3374 RTF -.9195
 SGB 1873.2 R23 -.0558 R13 -.9201
 SG1 1844.3 SG2 327.8 THA 3.31

ORBIT DETERMINATION ACCURACY

ST 1184.0 SR 174.2 SS 1445.9
 CRT -.8346 CRS -.9082 CST .9880
 LSA 1869.7 MSA 163.2 SSA 15.0
 EL1 1192.9 EL2 95.2 ALF 172.96

LAUNCH DATE MAY 29 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 310.371

RL 151.62 LAL .00 LOL 246.96 VL 26.457 GAL 1.70 AZL 93.85 HCA 131.92 SMA 126.32 ECC .20240 INC 3.8471 V1 29.385
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.364 GAP -8.42 AZP 87.43 TAL 173.29 TAP 305.20 RCA 100.75 APO 151.88 V2 34.932
 RC 56.016 GL -30.28 GP 4.89 ZAL 81.92 ZAP 21.62 ETS 346.86 ZAE 147.39 ETE 24.01 ZAC 86.47 ETC 13.32 CLP -21.09

PLANETOCENTRIC CONIC

C3 12.381 VHL 3.519 DLA -22.42 RAL 155.19 RAD 6567.5 VEL 11.566 PTH 2.02 VHP 5.652 DPA 8.38 RAP 181.35 ECC 1.2038
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 4 1319.77 7.51 349.78 11.00 117.38 9 0 4 719.8 11.12 342.96
 90.00 13 57 22 5536.26 28.31 257.52 16.41 90.57 15 29 39 4936.3 28.09 248.86
 100.00 9 43 2 1110.07 6.15 333.62 10.26 119.31 10 1 32 510.1 10.01 326.96
 100.00 15 35 5 5221.19 29.86 234.33 16.39 88.54 17 2 6 4621.2 29.34 225.56
 110.00 10 17 32 1001.93 2.94 323.44 8.27 124.07 10 34 14 401.9 7.39 317.18
 110.00 17 17 5 4902.09 33.63 209.78 16.08 83.46 18 38 47 4302.1 32.36 200.78

DIFFERENTIAL CORRECTIONS

TDE .7100 TRA -.6944 TC3 1.1033 BAU .1938
 RDE -.0832 RRA -.0819 RC3 .3916 FAU .06251
 FDE -1.9205 FRA .9331 FC3-4.3708 BSP .6011
 BDE .7149 BRA .6992 BC3 1.1708 FSP -1182

MID-COURSE EXECUTION ACCURACY

SGT 1853.6 SGR 339.3 SG3 404.7
 RRT .3717 RRF -.4159 RTF -.9230
 SGB 1884.5 R23 -.0674 R13 -.9239
 SG1 1858.1 SG2 314.3 THA 4.01

ORBIT DETERMINATION ACCURACY

ST 1213.3 SR 142.5 SS 1546.6
 CRT -.8133 CRS -.8900 CST .9886
 LSA 1964.3 MSA 160.5 SSA 14.4
 EL1 1218.8 EL2 82.6 ALF 174.52

LAUNCH DATE MAY 29 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 317.014

RL 151.62 LAL .00 LOL 246.96 VL 26.534 GAL 1.55 AZL 93.91 HCA 135.10 SMA 126.81 ECC .19747 INC 3.9059 V1 29.385
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.430 GAP -7.80 AZP 87.23 TAL 173.68 TAP 308.79 RCA 101.76 APO 151.85 V2 34.945
 RC 57.772 GL -31.46 GP 5.49 ZAL 82.89 ZAP 24.34 ETS 347.02 ZAE 147.26 ETE 24.19 ZAC 85.82 ETC 13.21 CLP -23.75

PLANETOCENTRIC CONIC

C3 11.984 VHL 3.462 DLA -23.12 RAL 153.79 RAD 6567.5 VEL 11.549 PTH 2.02 VHP 5.329 DPA 8.70 RAP 182.09 ECC 1.1972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 14 1278.17 8.81 347.41 9.50 117.02 9 3 32 678.2 12.36 340.53
 90.00 13 42 1 5564.07 28.28 259.55 14.71 91.59 15 14 45 4964.1 28.20 250.89
 100.00 9 45 50 1072.87 7.38 381.55 8.74 119.05 10 3 43 472.9 11.20 324.85
 100.00 15 21 6 5244.60 29.89 236.07 14.72 89.46 16 48 31 4644.6 29.49 227.28
 110.00 10 18 7 971.68 4.09 321.86 6.71 123.97 10 34 19 371.7 8.52 315.57
 110.00 17 5 19 4918.55 33.75 211.05 14.47 84.20 18 27 18 4318.6 32.58 202.01

DIFFERENTIAL CORRECTIONS

TDE .7161 TRA -.6564 TC3 1.1609 BAU .1979
 RDE -.0590 RRA -.0795 RC3 .4221 FAU .06879
 FDE -2.1490 FRA .9515 FC3-4.9694 BSP .6077
 BDE .7185 BRA .6612 BC3 1.2353 FSP -1336

MID-COURSE EXECUTION ACCURACY

SGT 1856.4 SGR 339.7 SG3 452.4
 RRT .4570 RRF -.5078 RTF -.9262
 SGB 1887.2 R23 -.0821 R13 -.9275
 SG1 1863.0 SG2 301.0 THA 4.91

ORBIT DETERMINATION ACCURACY

ST 1237.2 SR 107.0 SS 1655.2
 CRT -.7574 CRS -.8429 CST .9892
 LSA 2063.2 MSA 157.9 SSA 13.6
 EL1 1239.9 EL2 69.7 ALF 176.24

LAUNCH DATE MAY 29 1967

FLIGHT TIME 124.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 323.641

RL 151.62 LAL .00 LOL 246.96 VL 26.602 GAL 1.41 AZL 93.97 HCA 138.30 SMA 127.25 ECC .19304 INC 3.9718 V1 29.385
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.490 GAP -7.19 AZP 87.03 TAL 174.07 TAP 312.36 RCA 102.68 APO 151.81 V2 34.957
 RC 59.590 GL -32.63 GP 6.20 ZAL 83.81 ZAP 27.24 ETS 347.09 ZAE 147.35 ETE 24.78 ZAC 85.30 ETC 13.10 CLP -26.58

PLANETOCENTRIC CONIC

C3 11.672 VHL 3.416 DLA -23.83 RAL 152.42 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 5.023 DPA 9.20 RAP 182.71 ECC 1.1921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 20 1235.56 10.12 344.96 8.15 116.59 9 7 55 635.6 13.61 338.02
 90.00 13 26 3 5595.61 28.20 261.86 13.14 92.74 14 59 18 4995.6 28.28 253.19
 100.00 9 49 19 1035.46 8.62 329.46 7.36 118.73 10 6 35 435.5 12.39 322.70
 100.00 15 6 44 5270.93 29.89 238.03 13.19 90.49 16 34 35 4670.9 29.64 229.23
 110.00 10 19 6 942.06 5.21 320.30 5.27 123.83 10 34 48 342.1 9.62 313.98
 110.00 16 53 27 4937.10 33.87 212.49 13.01 85.05 18 15 44 4337.1 32.81 203.41

DIFFERENTIAL CORRECTIONS

TDE .7178 TRA -.6201 TC3 1.1961 BAU .1998
 RDE -.0316 RRA -.0780 RC3 .4580 FAU .07578
 FDE -2.4116 FRA .9719 FC3-5.6208 BSP .6046
 BDE .7185 BRA .6250 BC3 1.2807 FSP -1503

MID-COURSE EXECUTION ACCURACY

SGT 1846.5 SGR 348.1 SG3 505.9
 RRT .5514 RRF -.6093 RTF -.9280
 SGB 1879.1 R23 -.1016 R13 -.9298
 SG1 1856.7 SG2 288.8 THA -6.08

ORBIT DETERMINATION ACCURACY

ST 1251.5 SR 68.9 SS 1771.3
 CRT -.5686 CRS -.6780 CST .9895
 LSA 2164.3 MSA 156.5 SSA 12.8
 EL1 1252.1 EL2 56.6 ALF 178.20

LAUNCH DATE MAY 29 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 330.252

RL 151.62 LAL .00 LOL 246.96 VL 26.664 GAL 1.29 AZL 94.05 HCA 141.49 SMA 127.65 ECC .18908 INC 4.0465 V1 29.385
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.546 GAP -6.61 AZP 86.83 TAL 174.43 TAP 315.92 RCA 103.51 APO 151.79 V2 34.970
 RC 61.464 GL -33.79 GP 7.04 ZAL 84.68 ZAP 30.36 ETS 347.08 ZAE 147.66 ETE 25.84 ZAC 84.94 ETC 13.00 CLP -29.61

PLANETOCENTRIC CONIC

C3 11.440 VHL 3.382 DLA -24.56 RAL 151.10 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 4.737 DPA 9.90 RAP 183.22 ECC 1.1883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 53 46 1190.67 11.47 342.36 6.98 116.07 9 13 37 590.7 14.88 335.34
 90.00 13 9 5 5632.14 28.05 264.52 11.70 94.06 14 42 57 5032.1 28.32 255.86
 100.00 9 53 46 997.01 9.87 327.29 6.14 118.36 10 10 23 397.0 13.58 320.47
 100.00 14 51 47 5301.03 29.85 240.26 11.80 91.67 16 20 8 4701.0 29.76 231.46
 110.00 10 20 40 912.60 6.33 318.75 3.99 123.66 10 35 53 312.6 10.71 312.40
 110.00 16 41 22 4958.20 33.98 214.13 11.70 86.01 18 4 0 4358.2 33.05 205.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7148 TRA -.5843 TC3 1.2047 BAU .1995 SGT 1820.6 SGR 368.4 SG3 565.0 ST 1254.3 SR 44.5 SS 1894.7
 RDE -.0001 RRA -.0776 RC3 .5010 FAU .08345 RRT .6459 RRF -.7113 RTF -.9285 CRT .2538 CRS .1187 CST .9897
 FDE-2.7121 FRA .9921 FC3-6.3150 BSP 5988 SGB 1857.5 R23 -.1273 R13 -.9313 LSA 2267.3 MSA 155.8 SSA 11.9
 BOE .7148 BRA .5895 BC3 1.3047 FSP -1694 SG1 1836.4 SG2 278.8 THA 7.62 EL1 1254.3 EL2 43.1 ALF .52

LAUNCH DATE MAY 29 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 336.845

RL 151.62 LAL .00 LOL 246.96 VL 26.718 GAL 1.19 AZL 94.13 HCA 144.68 SMA 128.01 ECC .18556 INC 4.1325 V1 29.385
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.597 GAP -6.03 AZP 86.63 TAL 174.77 TAP 319.46 RCA 104.26 APO 151.76 V2 34.983
 RC 63.388 GL -34.96 GP 8.07 ZAL 85.47 ZAP 33.72 ETS 347.00 ZAE 148.16 ETE 27.50 ZAC 84.74 ETC 12.92 CLP -32.85

PLANETOCENTRIC CONIC

C3 11.287 VHL 3.360 DLA -25.31 RAL 149.84 RAD 6567.4 VEL 11.518 PTH 2.01 VHP 4.470 DPA 10.85 RAP 183.61 ECC 1.1858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 13 1141.47 12.93 339.48 6.01 115.41 9 21 14 541.5 16.24 332.37
 90.00 12 50 32 5675.76 27.80 267.69 10.40 95.63 14 25 8 5075.8 28.29 259.06
 100.00 9 59 34 956.29 11.17 324.97 5.11 117.91 10 15 30 356.3 14.82 318.08
 100.00 14 35 52 5336.17 29.75 242.87 10.57 93.04 16 4 48 4736.2 29.86 234.07
 110.00 10 23 2 882.68 7.45 317.16 2.87 123.46 10 37 44 282.7 11.80 310.77
 110.00 16 28 54 4982.54 34.08 216.02 10.58 87.13 17 51 56 4382.5 33.30 206.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .7086 TRA -.5463 TC3 1.1961 BAU .1989 SGT 1780.0 SGR 405.5 SG3 631.4 ST 1247.6 SR 78.4 SS 2029.0
 RDE .0374 RRA -.0781 RC3 .5542 FAU .09214 RRT .7318 RRF -.8035 RTF -.9287 CRT .9308 CRS .8738 CST .9899
 FDE-3.0613 FRA 1.0054 FC3-7.0671 BSP 5924 SGB 1825.6 R23 -.1578 R13 -.9331 LSA 2378.1 MSA 154.6 SSA 11.0
 BOE .7096 BRA .5518 BC3 1.3182 FSP -1913 SG1 1805.1 SG2 272.5 THA 9.69 EL1 1249.7 EL2 28.6 ALF 3.35

LAUNCH DATE MAY 29 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 343.420

RL 151.62 LAL .00 LOL 246.96 VL 26.767 GAL 1.10 AZL 94.23 HCA 147.88 SMA 128.33 ECC .18245 INC 4.2333 V1 29.385
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.643 GAP -5.48 AZP 86.41 TAL 175.08 TAP 322.96 RCA 104.92 APO 151.74 V2 34.996
 RC 65.357 GL -36.15 GP 9.31 ZAL 86.18 ZAP 37.35 ETS 346.86 ZAE 148.81 ETE 29.91 ZAC 84.72 ETC 12.86 CLP -36.33

PLANETOCENTRIC CONIC

C3 11.215 VHL 3.349 DLA -26.12 RAL 148.62 RAD 6567.4 VEL 11.515 PTH 2.01 VHP 4.224 DPA 12.10 RAP 183.88 ECC 1.1846
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 51 1084.25 14.57 336.08 5.29 114.55 9 31 55 484.2 17.77 328.86
 90.00 12 29 14 5730.35 27.37 271.62 9.22 97.56 14 4 44 5130.3 28.13 263.04
 100.00 10 7 23 911.35 12.59 322.39 4.30 117.34 10 22 34 311.3 16.16 315.41
 100.00 14 18 22 5378.48 29.56 246.00 9.49 94.67 15 48 1 4778.5 29.89 237.21
 110.00 10 26 29 851.43 8.62 315.50 1.94 123.21 10 40 40 251.4 12.93 309.05
 110.00 16 15 46 5011.16 34.15 218.25 9.64 88.44 17 39 17 4411.2 33.56 209.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6938 TRA -.5111 TC3 1.1536 BAU .1963 SGT 1718.9 SGR 464.3 SG3 703.3 ST 1222.7 SR 149.7 SS 2168.9
 RDE .0830 RRA -.0799 RC3 .6197 FAU .10150 RRT .7988 RRF -.8766 RTF -.9266 CRT .9955 CRS .9759 CST .9898
 FDE-3.4555 FRA 1.0200 FC3-7.8351 BSP 5781 SGB 1780.5 R23 -.1950 R13 -.9338 LSA 2489.5 MSA 154.5 SSA 10.0
 BOE .6988 BRA .5173 BC3 1.3095 FSP -2148 SG1 1759.4 SG2 272.9 THA 12.48 EL1 1231.7 EL2 14.1 ALF 6.95

LAUNCH DATE MAY 29 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 349.978

RL 151.62 LAL .00 LOL 246.96 VL 26.809 GAL 1.02 AZL 94.35 HCA 151.08 SMA 128.61 ECC .17973 INC 4.3540 V1 29.385
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.686 GAP -4.94 AZP 86.19 TAL 175.36 TAP 326.44 RCA 105.50 APO 151.73 V2 35.009
 RC 67.365 GL -37.39 GP 10.85 ZAL 86.81 ZAP 41.27 ETS 346.69 ZAE 149.51 ETE 33.28 ZAC 84.87 ETC 12.83 CLP -40.07

PLANETOCENTRIC CONIC

C3 11.232 VHL 3.351 DLA -27.00 RAL 147.46 RAD 6567.4 VEL 11.516 PTH 2.01 VHP 4.001 DPA 13.71 RAP 184.05 ECC 1.1848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 31 18 1010.66 16.60 331.63 4.91 113.27 9 48 8 410.7 19.61 324.25
 90.00 12 2 30 5804.53 26.59 276.91 8.12 100.11 13 39 15 5204.5 27.72 268.43
 100.00 10 18 18 858.82 14.21 319.33 3.76 116.58 10 32 37 258.8 17.67 312.24
 100.00 13 58 11 5431.61 29.20 249.91 8.56 96.70 15 28 43 4831.6 29.82 241.16
 110.00 10 31 25 817.61 9.88 313.68 1.23 122.89 10 45 3 217.6 14.14 307.18
 110.00 16 1 33 5045.57 34.18 220.94 8.90 90.04 17 25 39 4445.6 33.81 211.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6722 TRA -.4765 TC3 1.0741 BAU .1925 SGT 1635.5 SGR 550.4 SG3 780.2 ST 1181.7 SR 244.7 SS 2318.7
 RDE .1401 RRA -.0830 RC3 .7001 FAU .11128 RRT .8429 RRF -.9279 RTF -.9221 CRT .9985 CRS .9936 CST .9894
 FDE-3.9063 FRA 1.0287 FC3-8.5776 BSP 5607 SGB 1725.6 R23 -.2347 R13 -.9346 LSA 2609.3 MSA 154.6 SSA 9.0
 BOE .6866 BRA .4837 BC3 1.2821 FSP -2405 SG1 1702.0 SG2 284.6 THA 16.31 EL1 1206.7 EL2 13.0 ALF 11.68

LAUNCH DATE MAY 29 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 356.517

RL 151.62 LAL .00 LOL 246.96 VL 26.846 GAL .95 AZL 94.50 HCA 154.29 SMA 128.86 ECC .17738 INC 4.5020 V1 29.385
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.724 GAP -4.41 AZP 85.94 TAL 175.59 TAP 329.87 RCA 106.00 APO 151.72 V2 35.023
 RC 69.409 GL -38.71 GP 12.76 ZAL 87.34 ZAP 45.52 ETS 346.49 ZAE 150.14 ETE 37.85 ZAC 85.19 ETC 12.86 CLP -44.08

PLANETOCENTRIC CONIC

C3 11.351 VHL 3.369 OLA -28.00 RAL 146.34 RAD 6567.4 VEL 11.521 PTH 2.01 VHP 3.804 DPA 15.79 RAP 184.14 ECC 1.1868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 5 6 886.97 19.76 323.93 5.17 110.70 10 19 53 287.0 22.40 316.26
 90.00 11 19 45 644.54 24.75 307.93 6.86 104.21 11 30 29 44.5 26.47 299.68
 100.00 10 34 36 791.57 16.22 315.35 3.58 115.46 10 47 48 191.6 19.52 308.11
 100.00 13 32 56 5503.21 28.52 255.12 7.74 99.36 15 4 39 4903.2 29.52 246.46
 110.00 10 38 30 779.31 11.29 311.61 .77 122.48 10 51 30 179.3 15.49 305.03
 110.00 15 45 31 5088.23 34.13 224.27 8.39 92.01 17 10 19 4488.2 34.03 215.03

DIFFERENTIAL CORRECTIONS

TOE .6366 TRA -.4456 TC3 .9485 BAU .1880
 RDE .2127 RRA -.0881 RC3 .7971 FAU .12084
 FDE-4.3994 FRA 1.0353 FC3-9.2165 BSP 5323
 BOE .6712 BRA .4542 BC3 1.2390 FSP -2650

MID-COURSE EXECUTION ACCURACY

SGT 1522.2 SGR 669.4 SG3 857.6
 RRT .8641 RRF -.9603 RTF -.9121
 SGB 1662.9 R23 -.2716 R13 -.9355
 SG1 1633.0 SG2 314.1 THA 21.65

ORBIT DETERMINATION ACCURACY

ST 1113.0 SR 365.7 SS 2467.9
 CRT .9953 CRS .9980 CST .9882
 LSA 2727.4 MSA 156.2 SSA 8.0
 EL1 1171.1 EL2 33.8 ALF 18.12

LAUNCH DATE MAY 29 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 363.036

RL 151.62 LAL .00 LOL 246.96 VL 26.878 GAL .90 AZL 94.69 HCA 157.49 SMA 129.07 ECC .17536 INC 4.6890 V1 29.385
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.759 GAP -3.90 AZP 85.67 TAL 175.78 TAP 333.27 RCA 106.44 APO 151.71 V2 35.036
 RC 71.485 GL -40.17 GP 15.20 ZAL 87.78 ZAP 50.14 ETS 346.28 ZAE 150.45 ETE 43.87 ZAC 85.65 ETC 12.97 CLP -48.38

PLANETOCENTRIC CONIC

C3 11.600 VHL 3.406 OLA -29.15 RAL 145.23 RAD 6567.4 VEL 11.532 PTH 2.01 VHP 3.638 DPA 18.44 RAP 184.23 ECC 1.1909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.77 9 38 13 963.59 23.02 330.79 5.60 108.40 9 54 17 363.6 25.32 322.80
 97.23 11 37 48 5865.01 23.03 280.34 5.60 108.38 13 15 33 5265.0 25.33 272.35
 100.00 11 3 28 687.18 19.16 309.00 4.02 113.39 11 14 55 87.2 22.17 301.48
 100.00 12 55 14 5616.65 26.99 263.20 6.85 103.35 14 28 51 5016.6 28.56 254.75
 110.00 10 48 48 733.33 12.96 309.09 .64 121.91 11 1 2 133.3 17.08 302.41
 110.00 15 26 23 5143.27 33.92 228.55 8.11 94.53 16 52 6 4543.3 34.17 219.32

DIFFERENTIAL CORRECTIONS

TOE .5937 TRA -.4124 TC3 .8011 BAU .1889
 RDE .3095 RRA -.0938 RC3 .9176 FAU .13047
 FDE-4.9547 FRA 1.0137 FC3-9.7373 BSP 5170
 BOE .6695 BRA .4230 BC3 1.2181 FSP -2920

MID-COURSE EXECUTION ACCURACY

SGT 1387.9 SGR 833.4 SG3 935.7
 RRT .8686 RRF -.9794 RTF -.8978
 SGB 1618.9 R23 -.2846 R13 -.9419
 SG1 1577.6 SG2 363.3 THA 29.25

ORBIT DETERMINATION ACCURACY

ST 1026.9 SR 523.9 SS 2627.2
 CRT .9913 CRS .9994 CST .9865
 LSA 2864.7 MSA 156.7 SSA 7.0
 EL1 1151.1 EL2 61.5 ALF 26.91

LAUNCH DATE MAY 29 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 369.536

RL 151.62 LAL .00 LOL 246.96 VL 26.905 GAL .86 AZL 94.93 HCA 160.70 SMA 129.25 ECC .17366 INC 4.9346 V1 29.385
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.791 GAP -3.40 AZP 85.34 TAL 175.92 TAP 336.62 RCA 106.81 APO 151.70 V2 35.049
 RC 73.590 GL -41.84 GP 18.37 ZAL 88.13 ZAP 55.14 ETS 346.09 ZAE 150.05 ETE 51.44 ZAC 86.19 ETC 13.20 CLP -52.97

PLANETOCENTRIC CONIC

C3 12.034 VHL 3.469 OLA -30.54 RAL 144.10 RAD 6567.5 VEL 11.551 PTH 2.02 VHP 3.510 DPA 21.87 RAP 184.42 ECC 1.1981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.07 8 57 36 1086.62 23.89 340.25 5.40 109.60 9 15 43 486.6 26.35 332.26
 101.93 12 9 22 5757.38 23.91 272.67 5.41 109.59 13 45 19 5157.4 26.36 264.68
 78.07 8 57 36 1086.62 23.89 340.25 5.40 109.60 9 15 43 486.6 26.35 332.26
 101.93 12 9 22 5757.38 23.91 272.67 5.41 109.59 13 45 19 5157.4 26.36 264.68
 110.00 11 4 33 673.18 15.09 305.75 .99 121.04 11 15 46 73.2 19.10 298.92
 110.00 15 1 36 5218.81 33.36 234.38 8.04 97.94 16 28 35 4618.8 34.10 225.22

DIFFERENTIAL CORRECTIONS

TOE .5367 TRA -.3820 TC3 .6169 BAU .1973
 RDE .4420 RRA -.1007 RC3 1.0596 FAU .13837
 FDE-5.5467 FRA .9661 FC3-9.9542 BSP 5106
 BOE .6953 BRA .3950 BC3 1.2261 FSP -3153

MID-COURSE EXECUTION ACCURACY

SGT 1227.0 SGR 1053.9 SG3 1004.1
 RRT .8532 RRF -.9898 RTF -.8720
 SGB 1617.5 R23 -.2617 R13 -.9560
 SG1 1558.5 SG2 432.8 THA 39.93

ORBIT DETERMINATION ACCURACY

ST 913.4 SR 732.6 SS 2784.4
 CRT .9865 CRS .9998 CST .9834
 LSA 3016.4 MSA 157.8 SSA 6.0
 EL1 1167.1 EL2 93.9 ALF 38.65

LAUNCH DATE MAY 29 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 376.017

RL 151.62 LAL .00 LOL 246.96 VL 26.927 GAL .83 AZL 95.27 HCA 163.91 SMA 129.41 ECC .17225 INC 5.2740 V1 29.385
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.819 GAP -2.91 AZP 84.93 TAL 176.01 TAP 339.91 RCA 107.12 APO 151.70 V2 35.062
 RC 75.721 GL -43.86 GP 22.61 ZAL 88.38 ZAP 60.56 ETS 345.97 ZAE 148.37 ETE 60.27 ZAC 86.68 ETC 13.59 CLP -57.83

PLANETOCENTRIC CONIC

C3 12.759 VHL 3.572 OLA -32.26 RAL 142.86 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 3.436 DPA 26.36 RAP 184.94 ECC 1.2100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.85 8 23 12 1191.75 24.88 348.60 5.56 111.23 8 43 4 591.8 27.54 340.60
 106.15 12 33 55 5677.13 24.90 267.01 5.57 111.22 14 8 32 5077.1 27.55 259.02
 73.85 8 23 12 1191.75 24.88 348.60 5.56 111.23 8 43 4 591.8 27.54 340.60
 106.15 12 33 55 5677.13 24.90 267.01 5.57 111.22 14 8 32 5077.1 27.55 259.02
 110.00 11 31 50 5869.31 18.25 278.39 2.19 119.42 13 9 39 5269.3 22.02 271.30
 110.00 14 24 27 5335.61 31.91 243.18 8.02 102.95 15 53 23 4735.6 33.37 234.25

DIFFERENTIAL CORRECTIONS

TOE .4626 TRA -.3561 TC3 .4012 BAU .2184
 RDE .6307 RRA -.1081 RC3 1.2160 FAU .14225
 FDE-6.1334 FRA .8798 FC3-9.6520 BSP 5304
 BOE .7821 BRA .3722 BC3 1.2805 FSP -3303

MID-COURSE EXECUTION ACCURACY

SGT 1043.6 SGR 1349.1 SG3 1048.0
 RRT .8084 RRF -.9952 RTF -.8219
 SGB 1705.6 R23 -.1924 R13 -.9768
 SG1 1627.9 SG2 509.1 THA 53.90

ORBIT DETERMINATION ACCURACY

ST 769.3 SR 1013.8 SS 2925.3
 CRT .9788 CRS .9999 CST .9768
 LSA 3186.1 MSA 159.7 SSA 4.9
 EL1 1266.3 EL2 126.2 ALF 52.97

LAUNCH DATE MAY 29 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 382.477

RL 151.62 LAL .00 LOL 246.96 VL 26.945 GAL .82 AZL 95.78 MCA 167.12 SMA 129.53 ECC .17112 INC 5.7773 V1 29.385
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.844 GAP -2.44 AZP 84.37 TAL 176.04 TAP 343.16 RCA 107.37 APO 151.69 V2 35.075
 RC 77.874 GL -46.43 GP 28.47 ZAL 88.55 ZAP 66.43 ETS 345.98 ZAE 144.58 ETE 69.53 ZAC 86.89 ETC 14.17 CLP -62.94

PLANETOCENTRIC CONIC

C3 14.013 VHL 3.743 DLA -34.53 RAL 141.38 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 3.448 DPA 32.35 RAP 186.29 ECC 1.2306
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.37 7 49 14 1298.41 25.99 357.35 6.24 113.57 8 10 53 698.4 28.94 349.39
 110.63 12 56 4 5611.19 26.00 262.42 6.25 113.56 14 29 35 5011.2 28.95 254.45
 69.37 7 49 14 1298.41 25.99 357.35 6.24 113.57 8 10 53 698.4 28.94 349.39
 110.63 12 56 4 5611.19 26.00 262.42 6.25 113.56 14 29 35 5011.2 28.95 254.45
 69.37 7 49 14 1298.41 25.99 357.35 6.24 113.57 8 10 53 698.4 28.94 349.39
 110.63 12 56 4 5611.19 26.00 262.42 6.25 113.56 14 29 35 5011.2 28.95 254.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3709 TRA -.3369 TC3 .1745 BAU .2577 SGT 855.0 SGR 1747.5 SG3 1044.1 ST 597.9 SR 1403.9 SS 3027.4
 RDE .9161 RRA -.1138 RC3 1.3642 FAU .13860 RRT .7105 RRF -.9978 RTF -.7217 CRT .9625 CRS 1.0000 CST .9613
 FDE-6.6326 FRA .7368 FC3-8.5625 BSP 5989 SGB 1945.5 R23 -.0987 R13 -.9931 LSA 3386.3 MSA 162.1 SSA 4.0
 BDE .9883 BRA .3556 BC3 1.3754 FSP -3286 SG1 1861.7 SG2 564.7 THA 68.79 EL1 1518.5 EL2 149.9 ALF 67.48

LAUNCH DATE MAY 29 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 388.917

RL 151.62 LAL .00 LOL 246.96 VL 26.959 GAL .81 AZL 96.61 MCA 170.33 SMA 129.63 ECC .17024 INC 6.6091 V1 29.385
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.866 GAP -1.97 AZP 83.48 TAL 176.02 TAP 346.35 RCA 107.56 APO 151.69 V2 35.088
 RC 80.046 GL -49.95 GP 36.98 ZAL 88.66 ZAP 72.75 ETS 346.27 ZAE 137.49 ETE 78.02 ZAC 86.39 ETC 14.90 CLP -68.21

PLANETOCENTRIC CONIC

C3 16.429 VHL 4.053 DLA -37.64 RAL 139.36 RAD 6567.7 VEL 11.739 PTH 2.07 VHP 3.630 DPA 40.61 RAP 189.64 ECC 1.2704
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.09 7 12 17 1420.13 27.09 7.67 7.81 117.20 7 35 57 820.1 30.50 359.83
 115.91 13 16 53 5560.84 27.10 258.98 7.81 117.19 14 49 34 4960.8 30.51 251.13
 64.09 7 12 17 1420.13 27.09 7.67 7.81 117.20 7 35 57 820.1 30.50 359.83
 115.91 13 16 53 5560.84 27.10 258.98 7.81 117.19 14 49 34 4960.8 30.51 251.13
 64.09 7 12 17 1420.13 27.09 7.67 7.81 117.20 7 35 57 820.1 30.50 359.83
 115.91 13 16 53 5560.84 27.10 258.98 7.81 117.19 14 49 34 4960.8 30.51 251.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2608 TRA -.3283 TC3 -.0278 BAU .3191 SGT 692.7 SGR 2297.2 SG3 955.5 ST 408.4 SR 1965.3 SS 3043.8
 RDE 1.3896 RRA -.1003 RC3 1.4525 FAU .12278 RRT .5043 RRF -.9990 RTF -.5150 CRT .9138 CRS 1.0000 CST .9132
 FDE-6.8621 FRA .4661 FC3-6.4699 BSP 7449 SGB 2399.3 R23 -.0284 R13 -.9987 LSA 3642.3 MSA 165.4 SSA 3.0
 BDE 1.4139 BRA .3433 BC3 1.4527 FSP -3021 SG1 2325.4 SG2 590.9 THA 80.75 EL1 2000.7 EL2 162.9 ALF 79.18

LAUNCH DATE MAY 29 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 395.331

RL 151.62 LAL .00 LOL 246.96 VL 26.970 GAL .83 AZL 98.26 MCA 173.54 SMA 129.70 ECC .16961 INC 8.2576 V1 29.385
 RP 107.96 LAP -.93 LOP 60.56 VP 37.885 GAP -1.52 AZP 81.79 TAL 175.94 TAP 349.48 RCA 107.70 APO 151.70 V2 35.101
 RC 82.236 GL -55.14 GP 49.93 ZAL 88.78 ZAP 79.45 ETS 347.14 ZAE 125.34 ETE 84.67 ZAC 84.40 ETC 15.41 CLP -73.47

PLANETOCENTRIC CONIC

C3 22.285 VHL 4.721 DLA -42.20 RAL 136.12 RAD 6567.9 VEL 11.986 PTH 2.14 VHP 4.263 DPA 52.07 RAP 198.68 ECC 1.3668
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.30 6 28 0 1580.63 27.44 21.46 11.17 123.41 6 54 21 980.6 31.62 14.03
 122.70 13 35 16 5544.16 27.45 257.80 11.18 123.40 15 7 40 4944.2 31.63 250.37
 57.30 6 28 0 1580.63 27.44 21.46 11.17 123.41 6 54 21 980.6 31.62 14.03
 122.70 13 35 16 5544.16 27.45 257.80 11.18 123.40 15 7 40 4944.2 31.63 250.37
 57.30 6 28 0 1580.63 27.44 21.46 11.17 123.41 6 54 21 980.6 31.62 14.03
 122.70 13 35 16 5544.16 27.45 257.80 11.18 123.40 15 7 40 4944.2 31.63 250.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1456 TRA -.3476 TC3 -.1431 BAU .3928 SGT 611.4 SGR 3032.3 SG3 719.2 ST 245.8 SR 2768.4 SS 2835.6
 RDE 2.2807 RRA -.0256 RC3-1.3105 FAU .08628 RRT .1865 RRF -.9995 RTF -.1977 CRT .7216 CRS 1.0000 CST .7219
 FDE-6.3426 FRA .0788 FC3-3.3520 BSP 9718 SGB 3093.4 R23 .0037 R13 -.9996 LSA 3966.9 MSA 170.0 SSA 2.1
 BDE 2.2853 BRA .3486 BC3 1.3183 FSP -2273 SG1 3034.6 SG2 600.2 THA 87.76 EL1 2774.1 EL2 169.8 ALF 86.32

LAUNCH DATE MAY 29 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 401.717

RL 151.62 LAL .00 LOL 246.96 VL 26.977 GAL .86 AZL 103.13 MCA 176.73 SMA 129.75 ECC .16922 INC13.1286 V1 29.385
 RP 107.92 LAP -.74 LOP 63.78 VP 37.902 GAP -1.08 AZP 76.89 TAL 175.78 TAP 352.52 RCA 107.79 APO 151.70 V2 35.113
 RC 84.440 GL -63.04 GP 70.49 ZAL 89.04 ZAP 85.84 ETS 348.18 ZAE 105.16 ETE 88.09 ZAC 79.61 ETC 13.34 CLP -77.46

PLANETOCENTRIC CONIC

C3 47.263 VHL 6.875 DLA -48.88 RAL 130.09 RAD 6568.8 VEL 12.986 PTH 2.37 VHP 6.841 DPA 65.18 RAP 230.04 ECC 1.7778
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.34 5 30 26 1855.26 22.49 42.45 18.88 134.62 6 1 22 1255.3 27.98 36.43
 131.66 13 44 43 5645.51 22.51 262.73 18.90 134.61 15 18 49 5045.5 27.99 256.70
 48.34 5 30 26 1855.26 22.49 42.45 18.88 134.62 6 1 22 1255.3 27.98 36.43
 131.66 13 44 43 5645.51 22.51 262.73 18.90 134.61 15 18 49 5045.5 27.99 256.70
 48.34 5 30 26 1855.26 22.49 42.45 18.88 134.62 6 1 22 1255.3 27.98 36.43
 131.66 13 44 43 5645.51 22.51 262.73 18.90 134.61 15 18 49 5045.5 27.99 256.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2655 TRA -.4998 TC3 -.1052 BAU .3351 SGT 686.3 SGR 3752.3 SG3 313.5 ST 291.7 SR 3674.3 SS 2110.1
 RDE 4.4075 RRA .2170 RC3 .5199 FAU .02450 RRT .2078 RRF -.9997 RTF -.2255 CRT .7436 CRS 1.0000 CST .7463
 FDE-4.2829 FRA -.1732 FC3 -.4488 BSP 10192 SGB 3814.5 R23 .0111 R13 -.9998 LSA 4242.6 MSA 194.7 SSA 1.1
 BDE 4.4155 BRA .5448 BC3 .5304 FSP -824 SG1 3755.1 SG2 670.8 THA 87.75 EL1 3680.7 EL2 194.7 ALF 86.61

LAUNCH DATE MAY 29 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 408.773

RL 151.62 LAL .00 LOL 246.96 VL 26.981 GAL .77 AZL 3.58 HCA 180.56 SMA 129.77 ECC .16885 INC86.2613 V1 29.385
 RP 107.89 LAP -.55 LOP 66.99 VP 37.916 GAP -.47 AZP 176.42 TAL 176.21 TAP 356.77 RCA 107.86 APO 151.69 V2 35.125
 RC 86.655 GL 44.27 GP -47.40 ZAL 89.89 ZAP 89.89 ETS 178.99 ZAE 52.14 ETE 77.30 ZAC 88.39 ETC 155.92 CLP 89.84

PLANETOCENTRIC CONIC

C31488.139 VHL 38.576 DLA 48.69 RAL 181.92 RAD 6573.2 VEL 40.118 PTH 3.56 VHP 51.514 DPA -54.31 RAP 7.22 ECC25.4910
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.57 20 56 10 4966.81 1.08 231.40 92.89 41.32 22 18 57 4366.8 -4.92 226.52
 131.43 5 12 33 3473.45 1.10 114.17 92.87 41.32 6 10 27 2873.5 -4.91 109.30
 48.57 20 56 10 4966.81 1.08 231.40 92.89 41.32 22 18 57 4366.8 -4.92 226.52
 131.43 5 12 33 3473.45 1.10 114.17 92.87 41.32 6 10 27 2873.5 -4.91 109.30
 48.57 20 56 10 4966.81 1.08 231.40 92.89 41.32 22 18 57 4366.8 -4.92 226.52
 131.43 5 12 33 3473.45 1.10 114.17 92.87 41.32 6 10 27 2873.5 -4.91 109.30

DIFFERENTIAL CORRECTIONS

TDE -6.2784 TRA -2.9929 TC3 -.1271 BAU 5.4714
 RDE -7.0009 RR -10.6818 RC3 -.2439 FAU -.09992
 FDE 1.6695 FRA 2.5582 FC3 .0581 BSP 7192
 BDE 9.4038 BRA11.0931 BC3 .2750 FSP 118

MID-COURSE EXECUTION ACCURACY

SGT 1511.6 SGR 3224.7 SG3 66.6
 RRT .9096 RRF -1.0000 RTF -.9088
 SGB 3561.3 R23 -.0739 R13 -.9973
 SG1 3514.4 SG2 576.4 THA 66.23

ORBIT DETERMINATION ACCURACY

ST 954.6 SR 1266.6 SS 1346.2
 CRT .9238 CRS 1.0000 CST .9230
 LSA 2054.0 MSA 329.8 SSA .2
 EL1 1558.0 EL2 297.1 ALF 53.62

LAUNCH DATE MAY 29 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 414.572

RL 151.62 LAL .00 LOL 246.96 VL 26.982 GAL .92 AZL 83.60 HCA 183.28 SMA 129.78 ECC .16901 INC 6.4010 V1 29.385
 RP 107.85 LAP -.37 LOP 70.21 VP 37.927 GAP -.18 AZP 96.39 TAL 175.46 TAP 358.74 RCA 107.85 APO 151.72 V2 35.137
 RC 88.880 GL 49.42 GP -70.79 ZAL 87.90 ZAP 90.73 ETS 359.20 ZAE 112.74 ETE 260.55 ZAC 109.12 ETC 349.50 CLP -92.22

PLANETOCENTRIC CONIC

C3 15.699 VHL 3.962 DLA 51.67 RAL 189.27 RAD 6567.6 VEL 11.708 PTH 2.06 VHP 6.815 DPA -52.46 RAP 126.08 ECC 1.2584
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.78 21 13 18 4255.54 -36.26 201.03 63.84 50.27 22 24 14 3655.5 -41.11 193.28
 135.22 5 54 1 2704.77 -36.25 77.94 63.83 50.26 6 39 6 2104.8 -41.09 70.20
 44.78 21 13 18 4255.54 -36.26 201.03 63.84 50.27 22 24 14 3655.5 -41.11 193.28
 135.22 5 54 1 2704.77 -36.25 77.94 63.83 50.26 6 39 6 2104.8 -41.09 70.20
 44.78 21 13 18 4255.54 -36.26 201.03 63.84 50.27 22 24 14 3655.5 -41.11 193.28
 135.22 5 54 1 2704.77 -36.25 77.94 63.83 50.26 6 39 6 2104.8 -41.09 70.20

DIFFERENTIAL CORRECTIONS

TDE .6497 TRA .4147 TC3 -.9368 BAU .5262
 RDE .7850 RRA 1.4234 RC3 -2.3257 FAU .04032
 FDE .7161 FRA 1.3270 FC3 -2.2235 BSP 12157
 BDE 1.0190 BRA 1.4826 BC3 2.5073 FSP -952

MID-COURSE EXECUTION ACCURACY

SGT 1539.2 SGR 3962.6 SG3 320.4
 RRT .9255 RRF .9999 RTF .9239
 SGB 4251.1 R23 .0515 R13 .9986
 SG1 4215.6 SG2 548.0 THA 69.87

ORBIT DETERMINATION ACCURACY

ST 983.5 SR 1511.0 SS 819.4
 CRT .9128 CRS -.9999 CST -.9084
 LSA 1948.1 MSA 356.4 SSA .8
 EL1 1770.0 EL2 342.8 ALF 57.94

LAUNCH DATE MAY 29 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 420.893

RL 151.62 LAL .00 LOL 246.96 VL 26.980 GAL .99 AZL 88.45 HCA 186.48 SMA 129.77 ECC .16923 INC 1.5467 V1 29.385
 RP 107.82 LAP -.17 LOP 73.43 VP 37.937 GAP .23 AZP 91.54 TAL 175.14 TAP 1.62 RCA 107.81 APO 151.73 V2 35.149
 RC 91.113 GL 16.74 GP -50.66 ZAL 86.01 ZAP 94.85 ETS 354.98 ZAE 131.49 ETE 252.19 ZAC 113.36 ETC 354.92 CLP -97.66

PLANETOCENTRIC CONIC

C3 6.407 VHL 2.531 DLA 22.80 RAL 169.40 RAD 6567.2 VEL 11.305 PTH 1.94 VHP 4.215 DPA -34.52 RAP 138.97 ECC 1.1054
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 50 51 2784.45 -28.13 80.69 20.99 93.38 3 37 16 2184.4 -27.37 72.11
 90.00 21 38 0 3818.98 -11.94 150.39 17.58 64.13 22 41 39 3219.0 -15.32 143.35
 100.00 4 29 17 2467.09 -29.39 57.23 20.88 95.72 5 10 24 1867.1 -28.29 48.60
 100.00 22 42 16 3611.57 -10.81 134.57 16.99 61.96 23 42 27 3011.6 -14.48 127.70
 110.00 6 12 27 2144.32 -32.41 32.18 20.34 101.52 6 48 11 1544.3 -30.48 23.49
 110.00 23 15 35 3507.10 -8.19 125.07 15.41 56.70 24 14 2 2907.1 -12.51 118.65

DIFFERENTIAL CORRECTIONS

TDE .1747 TRA .2439 TC3 -3.2248 BAU .5188
 RDE .0779 RRA .7589 RC3 -5.1281 FAU .10229
 FDE .1413 FRA 1.9994 FC -13.8230 BSP 11167
 BDE .1912 BRA .7971 BC3 6.0578 FSP -2332

MID-COURSE EXECUTION ACCURACY

SGT 1783.2 SGR 3200.5 SG3 739.1
 RRT .9503 RRF .9998 RTF .9499
 SGB 3663.7 R23 .0735 R13 .9971
 SG1 3630.9 SG2 489.3 THA 61.54

ORBIT DETERMINATION ACCURACY

ST 437.0 SR 591.4 SS 554.2
 CRT .6732 CRS -.9958 CST -.6034
 LSA 864.8 MSA 316.0 SSA 3.8
 EL1 679.4 EL2 281.3 ALF 57.26

LAUNCH DATE MAY 29 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 427.213

RL 151.62 LAL .00 LOL 246.96 VL 26.976 GAL 1.06 AZL 90.10 HCA 189.70 SMA 129.74 ECC .16962 INC .0813 V1 29.385
 RP 107.78 LAP .02 LOP 76.66 VP 37.944 GAP .65 AZP 89.90 TAL 174.78 TAP 4.48 RCA 107.73 APO 151.75 V2 35.160
 RC 93.352 GL -1.08 GP -38.05 ZAL 84.98 ZAP 100.14 ETS 352.86 ZAE 141.68 ETE 241.38 ZAC 115.67 ETC 359.19 CLP -102.92

PLANETOCENTRIC CONIC

C3 5.867 VHL 2.422 DLA 6.07 RAL 162.96 RAD 6567.2 VEL 11.281 PTH 1.94 VHP 3.543 DPA -22.38 RAP 143.20 ECC 1.0966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 4 17 2154.31 -18.06 37.70 8.82 112.19 5 40 11 1554.3 -14.90 30.46
 90.00 18 33 12 4419.63 7.07 184.29 7.66 62.51 19 46 51 3819.6 3.33 177.61
 100.00 6 28 30 1882.65 -18.76 17.41 8.51 113.71 6 59 53 1282.7 -15.39 10.23
 100.00 19 51 39 4166.52 7.73 165.32 7.30 61.04 21 1 6 3566.5 3.81 158.73
 110.00 7 43 21 1648.43 -20.60 358.68 7.56 117.90 8 10 49 1048.4 -16.71 351.72
 110.00 20 53 18 3973.51 9.49 149.61 6.23 57.01 21 59 32 3373.5 5.08 143.29

DIFFERENTIAL CORRECTIONS

TDE -.1002 TRA .2227 TC3 -4.2569 BAU .4829
 RDE -.2022 RRA .5148 RC3 -4.4479 FAU .14152
 FDE -1.0928 FRA 2.3519 FC -20.8832 BSP 10077
 BDE .2257 BRA .5609 BC3 6.1567 FSP -3257

MID-COURSE EXECUTION ACCURACY

SGT 2142.3 SGR 2524.1 SG3 1023.5
 RRT .9627 RRF .9995 RTF .9630
 SGB 3310.7 R23 .1109 R13 .9933
 SG1 3280.5 SG2 446.2 THA 49.86

ORBIT DETERMINATION ACCURACY

ST 292.1 SR 606.6 SS 948.0
 CRT .9923 CRS -.9969 CST -.9933
 LSA 1161.6 MSA 40.5 SSA 31.8
 EL1 672.5 EL2 32.6 ALF 64.40

LAUNCH DATE MAY 29 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 433.518

RL 151.62 LAL .00 LOL 246.96 VL 26.970 GAL 1.15 AZL 90.93 HCA 192.93 SMA 129.70 ECC .17020 INC .9263 V1 29.385
 RP 107.75 LAP .21 LOP 79.88 VP 37.949 GAP 1.06 AZP 89.10 TAL 174.38 TAP 7.30 RCA 107.62 APO 151.77 V2 35.170
 RC 95.596 GL -10.16 GP -29.75 ZAL 84.14 ZAP 105.53 ETS 351.81 ZAE 146.46 ETE 229.40 ZAC 117.20 ETC 2.35 CLP-107.97

PLANETOCENTRIC CONIC

C3 6.127 VHL 2.475 DLA -2.68 RAL 160.37 RAD 6567.2 VEL 11.292 PTH 1.94 VHP 3.314 DPA -14.10 RAP 144.86 ECC 1.1008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 14 1889.20 -10.58 21.84 5.63 116.42 6 30 43 1289.2 -6.94 15.05
 90.00 17 17 34 4699.16 15.41 200.58 6.16 65.95 18 35 53 4099.2 12.03 193.54
 100.00 7 19 20 1630.83 -11.25 2.49 5.28 117.88 7 46 31 1030.8 -7.43 355.78
 100.00 18 40 9 4432.76 16.09 180.67 5.83 64.46 19 54 2 3832.8 12.52 173.69
 110.00 8 24 43 1426.15 -13.02 345.91 4.23 121.89 8 48 29 826.2 -8.72 339.46
 110.00 19 51 16 4210.20 17.91 162.78 4.84 60.38 21 1 26 3610.2 13.83 156.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3053 TRA .2402 TC3-4.7233 BAU .4761 SGT 2505.4 SGR 2004.2 SG3 1164.0 ST 729.4 SR 689.5 SS 1474.3
 RDE -.2734 RRA .3870 RC3-3.3872 FAU .15969 RRT .9694 RRF .9989 RTF .9703 CRT .9854 CRS -.9983 CST -.9933
 FDE-2.0898 FRA 2.4908 FC-22.5639 BSP 9722 SGB 3208.3 R23 .1428 R13 .9886 LSA 1781.3 MSA 90.1 SSA 12.6
 BDE .4098 BRA .4555 BC3 5.8123 FSP -3722 SG1 3184.9 SG2 387.1 THA 38.46 EL1 1000.1 EL2 85.5 ALF 43.37

LAUNCH DATE MAY 29 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 439.805

RL 151.62 LAL .00 LOL 246.96 VL 26.961 GAL 1.25 AZL 91.43 HCA 196.16 SMA 129.64 ECC .17094 INC 1.4296 V1 29.385
 RP 107.72 LAP .40 LOP 83.11 VP 37.952 GAP 1.47 AZP 88.63 TAL 173.92 TAP 10.08 RCA 107.48 APO 151.80 V2 35.180
 RC 97.843 GL -15.32 GP -24.01 ZAL 83.25 ZAP 110.69 ETS 351.32 ZAE 147.94 ETE 218.32 ZAC 118.33 ETC 4.75 CLP-112.75

PLANETOCENTRIC CONIC

C3 6.486 VHL 2.547 DLA -7.84 RAL 159.33 RAD 6567.2 VEL 11.308 PTH 1.94 VHP 3.249 DPA -8.23 RAP 145.53 ECC 1.1068
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 17 1736.38 -5.83 13.12 5.06 117.76 7 3 13 1136.4 -2.07 6.46
 90.00 16 34 13 4871.29 19.87 211.24 6.66 69.40 17 55 24 4271.3 16.89 203.83
 100.00 7 51 51 1486.15 -6.53 354.34 4.67 119.24 8 16 37 886.1 -2.58 347.78
 100.00 17 59 20 4596.75 20.62 190.74 6.35 67.86 19 15 57 3996.8 17.43 183.39
 110.00 8 51 28 1299.46 -8.37 339.05 3.54 123.26 9 13 8 699.5 -3.94 332.77
 110.00 19 16 12 4356.20 22.58 171.52 5.40 63.63 20 28 48 3756.2 18.86 164.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4805 TRA .2752 TC3-5.0339 BAU .4910 SGT 2852.0 SGR 1617.2 SG3 1212.7 ST 1099.8 SR 649.3 SS 1808.7
 RDE -.2722 RRA .3108 RC3-2.5910 FAU .16482 RRT .9729 RRF .9975 RTF .9749 CRT .9871 CRS -.9981 CST -.9949
 FDE-2.7557 FRA 2.5303 FC-21.9987 BSP 9928 SGB 3278.6 R23 .1573 R13 .9852 LSA 2211.4 MSA 108.9 SSA 10.7
 BDE .5523 BRA .4152 BC3 5.6616 FSP -3889 SG1 3262.2 SG2 326.7 THA 29.21 EL1 1274.0 EL2 89.9 ALF 30.40

LAUNCH DATE MAY 29 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 446.075

RL 151.62 LAL .00 LOL 246.96 VL 26.950 GAL 1.36 AZL 91.77 HCA 199.39 SMA 129.56 ECC .17186 INC 1.7697 V1 29.385
 RP 107.69 LAP .59 LOP 86.34 VP 37.954 GAP 1.87 AZP 88.33 TAL 173.41 TAP 12.80 RCA 107.30 APO 151.83 V2 35.190
 RC 100.092 GL -18.55 GP -19.86 ZAL 82.27 ZAP 115.51 ETS 351.13 ZAE 147.54 ETE 209.38 ZAC 119.16 ETC 6.66 CLP-117.25

PLANETOCENTRIC CONIC

C3 6.841 VHL 2.616 DLA -11.24 RAL 159.09 RAD 6567.2 VEL 11.324 PTH 1.95 VHP 3.262 DPA -3.93 RAP 145.80 ECC 1.1126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 39 1634.48 -2.57 7.41 5.52 118.21 7 27 53 1034.5 1.22 .78
 90.00 16 5 56 4991.59 22.56 219.04 7.88 72.41 17 29 8 4391.6 19.94 211.34
 100.00 8 16 20 1390.30 -3.32 349.04 5.11 119.72 8 39 30 790.3 .67 342.52
 100.00 17 32 56 4711.00 23.37 198.11 7.58 70.81 18 51 27 4111.0 20.53 190.46
 110.00 9 11 46 1216.71 -5.26 334.66 3.90 123.82 9 32 2 616.7 -.78 328.44
 110.00 18 54 0 4457.35 25.50 177.93 6.67 66.42 20 8 17 3857.3 22.09 170.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6389 TRA .3202 TC3-5.2824 BAU .5175 SGT 3178.9 SGR 1326.0 SG3 1206.6 ST 1418.3 SR 566.0 SS 2004.1
 RDE -.2452 RRA .2620 RC3-2.0297 FAU .16241 RRT .9736 RRF .9949 RTF .9776 CRT .9867 CRS -.9971 CST -.9960
 FDE-3.1496 FRA 2.5265 FC-20.5536 BSP 10451 SGB 3444.4 R23 .1561 R13 .9833 LSA 2516.8 MSA 117.9 SSA 10.7
 BDE .6843 BRA .4138 BC3 5.6589 FSP -3867 SG1 3433.0 SG2 280.1 THA 22.26 EL1 1524.6 EL2 85.7 ALF 21.57

LAUNCH DATE MAY 29 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 452.326

RL 151.62 LAL .00 LOL 246.96 VL 26.937 GAL 1.49 AZL 92.02 HCA 202.62 SMA 129.47 ECC .17294 INC 2.0153 V1 29.385
 RP 107.66 LAP .78 LOP 89.57 VP 37.953 GAP 2.27 AZP 88.14 TAL 172.86 TAP 15.48 RCA 107.08 APO 151.87 V2 35.199
 RC 102.344 GL -20.70 GP -16.74 ZAL 81.20 ZAP 119.97 ETS 351.11 ZAE 146.22 ETE 202.67 ZAC 119.72 ETC 8.20 CLP-121.44

PLANETOCENTRIC CONIC

C3 7.178 VHL 2.679 DLA -13.69 RAL 159.34 RAD 6567.2 VEL 11.339 PTH 1.95 VHP 3.320 DPA -.68 RAP 145.95 ECC 1.1181
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 27 1559.96 -.17 3.25 6.52 118.32 7 48 27 960.0 3.62 356.62
 90.00 15 46 6 5083.07 24.31 225.17 9.42 75.01 17 10 49 4483.1 22.01 217.25
 100.00 8 36 36 1320.75 -.96 345.22 6.08 119.88 8 58 36 720.8 3.02 338.70
 100.00 17 14 39 4797.51 25.18 203.90 9.15 73.34 18 34 37 4197.5 22.66 196.01
 110.00 9 28 40 1157.63 -3.01 331.57 4.80 124.07 9 47 58 557.6 1.48 325.36
 110.00 18 39 4 4533.39 27.47 182.96 8.27 68.81 19 54 37 3933.4 24.34 175.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7862 TRA .3725 TC3-5.4880 BAU .5495 SGT 3485.2 SGR 1106.6 SG3 1171.8 ST 1701.4 SR 477.8 SS 2120.0
 RDE -.2117 RRA .2283 RC3-1.6346 FAU .15628 RRT .9720 RRF .9902 RTF .9796 CRT .9845 CRS -.9952 CST -.9968
 FDE-3.3666 FRA 2.4925 FC-18.8481 BSP 11151 SGB 3656.7 R23 .1414 R13 .9828 LSA 2757.2 MSA 121.6 SSA 11.3
 BDE .8141 BRA .4369 BC3 5.7263 FSP -3766 SG1 3648.2 SG2 248.5 THA 17.23 EL1 1765.3 EL2 80.6 ALF 15.49

LAUNCH DATE MAY 29 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 458.558

RL 151.62 LAL .00 LOL 246.96 VL 26.923 GAL 1.62 AZL 92.20 HCA 205.86 SMA 129.38 ECC .17418 INC 2.2023 V1 29.385
 RP 107.63 LAP .96 LOP 92.80 VP 37.951 GAP 2.66 AZP 88.02 TAL 172.26 TAP 18.12 RCA 106.84 APO 151.91 V2 35.208
 RC 104.596 GL -22.18 GP -14.32 ZAL 80.03 ZAP 124.08 ETS 351.17 ZAE 144.49 ETE 197.79 ZAC 120.02 ETC 9.48 CLP-125.34

PLANETOCENTRIC CONIC

C3 7.504 VHL 2.739 DLA -15.55 RAL 159.93 RAD 6567.2 VEL 11.353 PTH 1.96 VHP 3.407 DPA 1.81 RAP 146.12 ECC 1.1235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 39 1501.92 1.71 .01 7.85 118.27 8 6 41 901.9 5.47 353.36
 90.00 15 31 35 5157.04 25.51 230.25 11.17 77.28 16 57 32 4557.0 23.51 222.16
 100.00 8 54 27 1267.03 .86 342.27 7.38 119.88 9 15 34 667.0 4.83 335.74
 100.00 17 1 28 4867.16 26.45 208.68 10.92 75.55 18 22 35 4267.2 24.21 200.60
 110.00 9 43 41 1112.79 -1.30 329.22 6.03 124.16 10 2 13 512.8 3.19 323.02
 110.00 18 28 43 4594.16 28.89 187.12 10.09 70.89 19 45 18 3994.2 26.01 179.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9239 TRA .4320 TC3-5.6507 BAU .5828 SGT 3768.0 SGR 937.6 SG3 1119.2 ST 1954.9 SR 393.9 SS 2178.5
 RDE -.1769 RRA .2051 RC3-1.3462 FAU .14784 RRT .9669 RRF .9826 RTF .9808 CRT .9797 CRS -.9916 CST -.9973
 FDE -3.4526 FRA 2.4525 FC-17.0550 BSP 11896 SGB 3882.9 R23 .1199 R13 .9827 LSA 2950.8 MSA 123.7 SSA 12.0
 BDE .9407 BRA .4782 BC3 5.8088 FSP -3603 SG1 3876.0 SG2 232.7 THA 13.58 EL1 1992.7 EL2 77.5 ALF 11.18

LAUNCH DATE MAY 29 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 464.770

RL 151.62 LAL .00 LOL 246.96 VL 26.907 GAL 1.77 AZL 92.35 HCA 209.10 SMA 129.27 ECC .17558 INC 2.3504 V1 29.385
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.947 GAP 3.05 AZP 87.95 TAL 171.62 TAP 20.72 RCA 106.57 APO 151.96 V2 35.216
 RC 106.849 GL -23.22 GP -12.42 ZAL 78.78 ZAP 127.87 ETS 351.28 ZAE 142.64 ETE 194.23 ZAC 120.09 ETC 10.53 CLP-128.95

PLANETOCENTRIC CONIC

C3 7.828 VHL 2.798 DLA -17.04 RAL 160.76 RAD 6567.3 VEL 11.367 PTH 1.96 VHP 3.515 DPA 3.74 RAP 146.38 ECC 1.1288
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 15 1454.63 3.23 357.37 9.42 118.15 8 23 29 854.6 6.97 350.69
 90.00 15 20 39 5219.67 26.38 234.64 13.08 79.31 16 47 39 4619.7 24.64 226.40
 100.00 9 10 49 1223.67 2.33 339.89 8.93 119.81 9 31 13 623.7 6.28 333.33
 100.00 16 51 46 4925.86 27.38 212.79 12.84 77.52 18 13 52 4325.9 25.39 204.56
 110.00 9 57 33 1077.29 .06 327.37 7.51 124.18 10 15 30 477.3 4.54 321.16
 110.00 18 21 32 4645.00 29.98 190.68 12.06 72.74 19 38 57 4045.0 27.32 182.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.0550 TRA .4969 TC3-5.7764 BAU .6160 SGT 4030.8 SGR 807.1 SG3 1058.9 ST 2186.1 SR 319.3 SS 2202.5
 RDE -.1440 RRA .1883 RC3-1.1329 FAU .13856 RRT .9575 RRF .9706 RTF .9817 CRT .9707 CRS -.9845 CST -.9976
 FDE -3.4579 FRA 2.4039 FC-15.3248 BSP 12662 SGB 4110.8 R23 .0955 R13 .9828 LSA 3117.1 MSA 124.5 SSA 12.8
 BDE 1.0647 BRA .5313 BC3 5.8865 FSP -3422 SG1 4104.5 SG2 228.6 THA 10.89 EL1 2208.0 EL2 76.0 ALF 8.08

LAUNCH DATE MAY 29 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 470.963

RL 151.62 LAL .00 LOL 246.96 VL 26.889 GAL 1.94 AZL 92.47 HCA 212.34 SMA 129.15 ECC .17715 INC 2.4711 V1 29.385
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.941 GAP 3.44 AZP 87.91 TAL 170.93 TAP 23.27 RCA 106.27 APO 152.03 V2 35.223
 RC 109.101 GL -23.94 GP -10.88 ZAL 77.44 ZAP 131.37 ETS 351.39 ZAE 140.82 ETE 191.63 ZAC 119.93 ETC 11.40 CLP-132.30

PLANETOCENTRIC CONIC

C3 8.156 VHL 2.856 DLA -18.28 RAL 161.80 RAD 6567.3 VEL 11.382 PTH 1.97 VHP 3.639 DPA 5.23 RAP 146.77 ECC 1.1342
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 51 1414.85 4.50 355.14 11.19 117.99 8 39 25 814.8 8.21 348.43
 90.00 15 12 19 5274.62 27.01 238.53 15.11 81.17 16 40 13 4674.6 25.51 230.19
 100.00 9 26 16 1187.57 3.55 337.91 10.66 119.70 9 46 4 587.6 7.48 331.32
 100.00 16 44 34 4977.13 28.09 216.44 14.90 79.32 18 7 31 4377.1 26.32 208.08
 110.00 10 10 42 1048.36 1.16 325.86 9.18 124.17 10 28 11 448.4 5.64 319.64
 110.00 18 16 37 4689.11 30.82 193.83 14.17 74.43 19 34 46 4089.1 28.38 185.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.1784 TRA .5696 TC3-5.8589 BAU .6475 SGT 4270.4 SGR 705.4 SG3 994.3 ST 2393.7 SR 253.5 SS 2197.7
 RDE -.1130 RRA .1768 RC3 -.9696 FAU .12878 RRT .9424 RRF .9529 RTF .9822 CRT .9530 CRS -.9702 CST -.9979
 FDE -3.4013 FRA 2.3623 FC-13.6702 BSP 13385 SGB 4328.2 R23 .0733 R13 .9828 LSA 3257.0 MSA 125.3 SSA 13.6
 BDE 1.1838 BRA .5964 BC3 5.9386 FSP -3220 SG1 4322.0 SG2 233.1 THA 8.87 EL1 2405.8 EL2 76.4 ALF 5.77

LAUNCH DATE MAY 29 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 477.135

RL 151.62 LAL .00 LOL 246.96 VL 26.870 GAL 2.12 AZL 92.57 HCA 215.58 SMA 129.02 ECC .17889 INC 2.5720 V1 29.385
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.934 GAP 3.83 AZP 87.91 TAL 170.20 TAP 25.79 RCA 105.94 APO 152.10 V2 35.230
 RC 111.351 GL -24.42 GP -9.62 ZAL 76.03 ZAP 134.58 ETS 351.51 ZAE 139.09 ETE 189.70 ZAC 119.56 ETC 12.10 CLP-135.40

PLANETOCENTRIC CONIC

C3 8.496 VHL 2.915 DLA -19.32 RAL 162.99 RAD 6567.3 VEL 11.397 PTH 1.97 VHP 3.776 DPA 6.37 RAP 147.31 ECC 1.1398
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 48 1380.63 5.59 353.22 13.12 117.80 8 54 49 780.6 9.27 346.47
 90.00 15 5 55 5324.18 27.48 242.08 17.27 82.89 16 34 39 4724.2 26.21 233.65
 100.00 9 41 8 1156.90 4.58 336.22 12.57 119.57 10 0 25 556.9 8.49 329.61
 100.00 16 39 16 5023.14 28.62 219.76 17.08 80.99 18 2 59 4423.1 27.08 211.29
 110.00 10 23 26 1024.36 2.08 324.61 11.01 124.13 10 40 30 424.4 6.55 318.37
 110.00 18 13 28 4728.45 31.51 196.70 16.40 76.00 19 32 16 4128.4 29.26 188.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.2969 TRA .6488 TC3-5.9042 BAU .6775 SGT 4491.4 SGR 626.8 SG3 930.2 ST 2583.4 SR 197.7 SS 2177.7
 RDE -.0848 RRA .1686 RC3 -.8433 FAU .11918 RRT .9206 RRF .9283 RTF .9824 CRT .9183 CRS -.9404 CST -.9981
 FDE -3.3134 FRA 2.3207 FC-12.1439 BSP 14074 SGB 4534.9 R23 .0542 R13 .9828 LSA 3382.3 MSA 125.8 SSA 14.4
 BDE 1.2997 BRA .6704 BC3 5.9642 FSP -3020 SG1 4528.4 SG2 242.7 THA 7.34 EL1 2589.8 EL2 78.1 ALF 4.02

LAUNCH DATE MAY 29 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 483.287

RL 151.62 LAL .00 LOL 246.96 VL 26.850 GAL 2.31 AZL 92.66 HCA 218.82 SMA 128.88 ECC .18079 INC 2.6581 V1 29.385
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.925 GAP 4.22 AZP 87.93 TAL 169.44 TAP 28.26 RCA 105.58 APO 152.19 V2 35.236
 RC 113.598 GL -24.71 GP -8.58 ZAL 74.56 ZAP 137.56 ETS 351.60 ZAE 137.48 ETE 188.24 ZAC 119.00 ETC 12.67 CLP-138.27

PLANETOCENTRIC CONIC

C3 8.856 VHL 2.976 DLA -20.23 RAL 164.33 RAD 6567.3 VEL 11.413 PTH 1.98 VHP 3.923 DPA 7.24 RAP 147.99 ECC 1.1458
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 19 1350.76 6.54 351.53 15.21 117.61 9 9 50 750.8 10.19 344.75
 90.00 15 1 3 5369.82 27.82 245.38 19.53 84.51 16 30 33 4769.8 26.77 236.87
 100.00 9 55 35 1130.49 5.47 334.76 14.62 119.43 10 14 25 530.5 9.35 328.12
 100.00 16 35 29 5065.33 29.03 222.82 19.38 82.55 17 59 54 4465.3 27.70 214.28
 110.00 10 35 51 1004.27 2.85 323.56 12.99 124.08 10 52 36 404.3 7.30 317.31
 110.00 18 11 42 4764.31 32.07 199.34 18.76 77.47 19 31 6 4164.3 30.01 190.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4081 TRA .7374 TC3-5.9024 BAU .7043 SGT 4688.3 SGR 565.5 SG3 866.4 ST 2750.8 SR 151.2 SS 2140.0
 RDE -.0582 RRA .1634 RC3 -.7415 FAU .10958 RRT .8908 RRF .8956 RTF .9823 CRT .8439 CRS -.8735 CST -.9982
 FDE-3.1952 FRA 2.2887 FC-10.7123 BSP 14660 SGB 4722.3 R23 .0393 R13 .9826 LSA 3486.1 MSA 126.8 SSA 15.1
 BDE 1.4093 BRA .7553 BC3 5.9488 FSP -2809 SG1 4715.4 SG2 255.5 THA 6.15 EL1 2753.8 EL2 81.0 ALF 2.66

LAUNCH DATE MAY 29 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 489.418

RL 151.62 LAL .00 LOL 246.96 VL 26.829 GAL 2.51 AZL 92.73 HCA 222.07 SMA 128.74 ECC .18287 INC 2.7330 V1 29.385
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.915 GAP 4.61 AZP 87.97 TAL 168.64 TAP 30.71 RCA 105.20 APO 152.28 V2 35.241
 RC 115.842 GL -24.86 GP -7.71 ZAL 73.02 ZAP 140.31 ETS 351.68 ZAE 136.01 ETE 187.13 ZAC 118.26 ETC 13.12 CLP-140.94

PLANETOCENTRIC CONIC

C3 9.242 VHL 3.040 DLA -21.03 RAL 165.78 RAD 6567.3 VEL 11.429 PTH 1.98 VHP 4.079 DPA 7.88 RAP 148.81 ECC 1.1521
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 32 1324.51 7.36 350.05 17.42 117.42 9 24 36 724.5 10.98 343.23
 90.00 14 57 26 5412.51 28.06 248.48 21.91 86.04 16 27 39 4812.5 27.22 239.92
 100.00 10 9 44 1107.64 6.23 333.49 16.80 119.29 10 28 11 507.6 10.09 326.83
 100.00 16 32 56 5104.60 29.35 225.70 21.78 84.04 17 58 0 4504.6 28.21 217.08
 110.00 10 48 4 987.47 3.49 322.68 15.11 124.03 11 4 32 387.5 7.93 316.41
 110.00 18 11 5 4797.54 32.53 201.82 21.22 78.87 19 31 2 4197.5 30.66 193.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5175 TRA .8313 TC3-5.8758 BAU .7305 SGT 4874.4 SGR 519.2 SG3 807.0 ST 2906.0 SR 116.7 SS 2098.6
 RDE -.0340 RRA .1598 RC3 -.6607 FAU .10083 RRT .8534 RRF .8549 RTF .9823 CRT .6876 CRS -.7271 CST -.9983
 FDE-3.0739 FRA 2.2533 FC3-9.4456 BSP 15270 SGB 4902.0 R23 .0269 R13 .9824 LSA 3584.1 MSA 127.6 SSA 15.8
 BDE 1.5179 BRA .8465 BC3 5.9128 FSP -2626 SG1 4894.6 SG2 269.5 THA 5.21 EL1 2907.1 EL2 84.7 ALF 1.58

LAUNCH DATE MAY 29 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 495.528

RL 151.62 LAL .00 LOL 246.96 VL 26.806 GAL 2.73 AZL 92.80 HCA 225.31 SMA 128.59 ECC .18512 INC 2.7989 V1 29.385
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.904 GAP 5.00 AZP 88.03 TAL 167.81 TAP 33.12 RCA 104.79 APO 152.40 V2 35.246
 RC 118.080 GL -24.88 GP -6.97 ZAL 71.43 ZAP 142.86 ETS 351.73 ZAE 134.67 ETE 186.27 ZAC 117.37 ETC 13.47 CLP-143.43

PLANETOCENTRIC CONIC

C3 9.659 VHL 3.108 DLA -21.73 RAL 167.34 RAD 6567.3 VEL 11.448 PTH 1.99 VHP 4.244 DPA 8.34 RAP 149.77 ECC 1.1590
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 30 1301.39 8.09 348.73 19.76 117.23 9 39 11 701.4 11.67 341.89
 90.00 14 54 53 5452.92 28.22 251.43 24.38 87.51 16 25 46 4852.9 27.57 242.82
 100.00 10 23 38 1087.92 6.89 332.39 19.11 119.16 10 41 46 487.9 10.72 325.71
 100.00 16 31 26 5141.61 29.58 228.43 24.29 85.45 17 57 7 4541.6 28.63 219.75
 110.00 11 0 7 973.57 4.02 321.96 17.34 123.97 11 16 20 373.6 8.45 315.67
 110.00 18 11 26 4828.73 32.92 204.18 23.79 80.21 19 31 55 4228.7 31.22 195.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6232 TRA .9329 TC3-5.8168 BAU .7551 SGT 5045.4 SGR 484.2 SG3 751.2 ST 3045.5 SR 96.7 SS 2051.3
 RDE -.0112 RRA .1576 RC3 -.5938 FAU .09264 RRT .8085 RRF .8065 RTF .9821 CRT .3903 CRS -.4393 CST -.9984
 FDE-2.9476 FRA 2.2209 FC3-8.3028 BSP 15830 SGB 5068.5 R23 .0168 R13 .9822 LSA 3670.9 MSA 128.5 SSA 16.3
 BDE 1.6233 BRA .9461 BC3 5.8471 FSP -2452 SG1 5060.6 SG2 284.1 THA 4.45 EL1 3045.7 EL2 89.0 ALF .71

LAUNCH DATE MAY 29 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 501.615

RL 151.62 LAL .00 LOL 246.96 VL 26.783 GAL 2.97 AZL 92.86 HCA 228.56 SMA 128.44 ECC .18755 INC 2.8580 V1 29.385
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.891 GAP 5.40 AZP 88.11 TAL 166.94 TAP 35.50 RCA 104.35 APO 152.52 V2 35.250
 RC 120.312 GL -24.79 GP -6.35 ZAL 69.80 ZAP 145.24 ETS 351.74 ZAE 133.46 ETE 185.59 ZAC 116.34 ETC 13.73 CLP-145.75

PLANETOCENTRIC CONIC

C3 10.115 VHL 3.180 DLA -22.36 RAL 168.98 RAD 6567.4 VEL 11.468 PTH 1.99 VHP 4.416 DPA 8.62 RAP 150.85 ECC 1.1665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 14 1281.13 8.72 347.57 22.21 117.05 9 53 35 681.1 12.28 340.70
 90.00 14 53 15 5491.48 28.30 254.24 26.95 88.92 16 24 46 4891.5 27.85 245.61
 100.00 10 37 19 1071.06 7.44 331.45 21.53 119.03 10 55 10 471.1 11.26 324.74
 100.00 16 30 51 5176.78 29.74 231.03 26.89 86.81 17 57 8 4576.8 28.98 222.31
 110.00 11 12 0 962.33 4.44 321.37 19.68 123.93 11 28 2 362.3 8.87 315.07
 110.00 18 12 39 4858.28 33.24 206.42 26.47 81.51 19 33 37 4258.3 31.71 197.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7263 TRA 1.0425 TC3-5.7299 BAU .7783 SGT 5203.8 SGR 458.4 SG3 699.4 ST 3171.0 SR 93.9 SS 2000.3
 RDE .0105 RRA .1565 RC3 -.5375 FAU .08509 RRT .7572 RRF .7517 RTF .9819 CRT -.0066 CRS -.0457 CST -.9985
 FDE-2.8210 FRA 2.1920 FC3-7.2827 BSP 16365 SGB 5224.0 R23 .0088 R13 .9820 LSA 3748.0 MSA 129.7 SSA 18.5
 BDE 1.7263 BRA 1.0542 BC3 5.7551 FSP -2292 SG1 5215.4 SG2 298.8 THA 3.83 EL1 3171.0 EL2 93.9 ALF 179.99

LAUNCH DATE MAY 29 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 507.679

RL 151.62 LAL .00 LOL 246.96 VL 26.759 GAL 3.22 AZL 92.91 HCA 231.80 SMA 128.28 ECC .19018 INC 2.9114 V1 29.385
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.877 GAP 5.79 AZP 88.20 TAL 166.04 TAP 37.85 RCA 103.88 APO 152.67 V2 35.253
 RC 122.538 GL -24.61 GP -5.81 ZAL 68.12 ZAP 147.46 ETS 351.73 ZAE 132.36 ETE 185.04 ZAC 115.19 ETC 13.92 CLP-147.93

PLANETOCENTRIC CONIC

C3 10.616 VHL 3.258 DLA -22.92 RAL 170.70 RAD 6567.4 VEL 11.489 PTH 2.00 VHP 4.595 DPA 8.77 RAP 152.05 ECC 1.1747
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 46 44 1263.60 9.26 346.57 24.77 116.88 10 7 47 663.6 12.79 339.68
 90.00 14 52 26 5528.50 28.32 256.95 29.61 90.28 16 24 35 4928.5 28.05 248.30
 100.00 10 50 46 1056.92 7.91 330.66 24.05 118.92 11 8 23 456.9 11.71 323.93
 100.00 16 31 6 5210.41 29.84 233.53 29.59 88.12 17 57 56 4610.4 29.26 224.77
 110.00 11 23 43 953.60 4.78 320.91 22.13 123.89 11 39 37 353.6 9.19 314.60
 110.00 18 14 38 4886.50 33.50 208.58 29.24 82.76 19 36 4 4286.5 32.14 199.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8234 TRA 1.1640 TC3-5.6016 BAU .7980 SGT 5342.6 SGR 439.6 SG3 650.2 ST 3276.8 SR 105.9 SS 1941.6
 RDE .0317 RRA .1564 RC3 -.4875 FAU .07775 RRT .7004 RRF .6917 RTF .9815 CRT -.3393 CRS .2907 CST -.9986
 FDE-2.6886 FRA 2.1724 FC3-6.3406 BSP 16782 SGB 5360.6 R23 .0028 R13 .9815 LSA 3807.9 MSA 132.4 SSA 17.1
 BDE 1.8236 BRA 1.1744 BC3 5.6227 FSP -2129 SG1 5351.5 SG2 313.2 THA 3.31 EL1 3277.0 EL2 99.6 ALF 179.37

LAUNCH DATE MAY 29 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 513.718

RL 151.62 LAL .00 LOL 246.96 VL 26.734 GAL 3.49 AZL 92.96 HCA 235.05 SMA 128.11 ECC .19300 INC 2.9602 V1 29.385
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.862 GAP 6.19 AZP 88.30 TAL 165.12 TAP 40.17 RCA 103.38 APO 152.84 V2 35.256
 RC 124.755 GL -24.35 GP -5.35 ZAL 66.42 ZAP 149.55 ETS 351.68 ZAE 131.37 ETE 184.61 ZAC 113.91 ETC 14.05 CLP-149.97

PLANETOCENTRIC CONIC

C3 11.169 VHL 3.342 DLA -23.41 RAL 172.47 RAD 6567.4 VEL 11.513 PTH 2.01 VHP 4.781 DPA 8.80 RAP 153.35 ECC 1.1838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 0 57 1248.77 9.71 345.72 27.42 116.73 10 21 46 648.8 13.22 338.80
 90.00 14 52 24 5564.11 28.28 259.56 32.35 91.59 16 25 8 4964.1 28.20 250.89
 100.00 11 3 56 1045.47 8.29 330.02 26.66 118.82 11 21 22 445.5 12.07 323.28
 100.00 16 32 6 5242.65 29.89 235.92 32.37 89.38 17 59 29 4642.6 29.48 227.14
 110.00 11 35 14 947.33 5.01 320.58 24.66 123.86 11 51 1 347.3 9.43 314.27
 110.00 18 17 17 4913.55 33.71 210.67 32.11 83.98 19 39 11 4313.6 32.51 201.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9215 TRA 1.2914 TC3-5.4610 BAU .8181 SGT 5476.9 SGR 426.4 SG3 605.7 ST 3374.6 SR 125.4 SS 1886.0
 RDE .0520 RRA .1567 RC3 -.4442 FAU .07128 RRT .6408 RRF .6289 RTF .9811 CRT -.5410 CRS .4985 CST -.9987
 FDE-2.5678 FRA 2.1500 FC3-5.5246 BSP 17245 SGB 5493.5 R23 -.0027 R13 .9811 LSA 3865.5 MSA 134.9 SSA 17.3
 BDE 1.9222 BRA 1.3009 BC3 5.4790 FSP -1992 SG1 5483.8 SG2 326.9 THA 2.87 EL1 3375.3 EL2 105.5 ALF 178.85

LAUNCH DATE MAY 29 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 519.732

RL 151.62 LAL .00 LOL 246.96 VL 26.708 GAL 3.77 AZL 93.01 HCA 238.30 SMA 127.94 ECC .19604 INC 3.0053 V1 29.385
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.845 GAP 6.60 AZP 88.42 TAL 164.17 TAP 42.47 RCA 102.86 APO 153.02 V2 35.258
 RC 126.964 GL -24.02 GP -4.95 ZAL 64.69 ZAP 151.50 ETS 351.59 ZAE 130.48 ETE 184.25 ZAC 112.54 ETC 14.13 CLP-151.90

PLANETOCENTRIC CONIC

C3 11.782 VHL 3.432 DLA -23.85 RAL 174.30 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 4.975 DPA 8.73 RAP 154.74 ECC 1.1939
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 14 51 1236.68 10.08 345.02 30.16 116.60 10 35 28 636.7 13.57 338.09
 90.00 14 53 5 5598.42 28.19 262.06 35.17 92.84 16 26 23 4998.4 28.28 253.40
 100.00 11 16 48 1036.71 8.57 329.53 29.36 118.75 11 34 5 436.7 12.35 322.77
 100.00 16 33 49 5273.62 29.89 238.22 35.23 90.59 18 1 43 4673.6 29.65 229.43
 110.00 11 46 31 943.49 5.16 320.38 27.27 123.84 12 2 15 343.5 9.57 314.06
 110.00 18 20 35 4939.60 33.88 212.68 35.06 85.16 19 42 54 4339.6 32.84 203.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0174 TRA 1.4284 TC3-5.2966 BAU .8367 SGT 5599.7 SGR 417.5 SG3 564.7 ST 3458.8 SR 148.1 SS 1829.2
 RDE .0720 RRA .1573 RC3 -.4052 FAU .06530 RRT .5797 RRF .5648 RTF .9808 CRT -.6569 CRS .6196 CST -.9987
 FDE-2.4513 FRA 2.1308 FC3-4.7984 BSP 17673 SGB 5615.3 R23 -.0072 R13 .9807 LSA 3913.1 MSA 137.8 SSA 17.5
 BDE 2.0187 BRA 1.4370 BC3 5.3121 FSP -1865 SG1 5605.0 SG2 339.9 THA 2.48 EL1 3460.2 EL2 111.6 ALF 178.39

LAUNCH DATE MAY 29 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 525.718

RL 151.62 LAL .00 LOL 246.96 VL 26.681 GAL 4.07 AZL 93.05 HCA 241.55 SMA 127.77 ECC .19930 INC 3.0474 V1 29.385
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.827 GAP 7.01 AZP 88.55 TAL 163.20 TAP 44.75 RCA 102.30 APO 153.23 V2 35.259
 RC 129.165 GL -23.63 GP -4.59 ZAL 62.94 ZAP 153.35 ETS 351.47 ZAE 129.68 ETE 183.95 ZAC 111.08 ETC 14.17 CLP-153.72

PLANETOCENTRIC CONIC

C3 12.463 VHL 3.530 DLA -24.23 RAL 176.17 RAD 6567.5 VEL 11.569 PTH 2.02 VHP 5.175 DPA 8.56 RAP 156.21 ECC 1.2051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 28 21 1227.41 10.36 344.49 32.97 116.50 10 48 49 627.4 13.84 337.54
 90.00 14 54 28 5631.44 28.05 264.47 38.06 94.04 16 28 19 5031.4 28.32 255.81
 100.00 11 29 18 1030.68 8.77 329.19 32.13 118.69 11 46 28 430.7 12.54 322.42
 100.00 16 36 13 5303.39 29.85 240.44 38.17 91.76 18 4 36 4703.4 29.77 231.63
 110.00 11 57 33 942.08 5.21 320.30 29.95 123.83 12 13 15 342.1 9.62 313.99
 110.00 18 24 27 4964.76 34.01 214.64 38.08 86.31 19 47 12 4364.8 33.12 205.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1119 TRA 1.5750 TC3-5.1123 BAU .8540 SGT 5712.7 SGR 411.7 SG3 526.8 ST 3530.8 SR 171.7 SS 1772.0
 RDE .0920 RRA .1581 RC3 -.3695 FAU .05979 RRT .5181 RRF .5006 RTF .9804 CRT -.7256 CRS .6923 CST -.9988
 FDE-2.3401 FRA 2.1141 FC3-4.1535 BSP 18073 SGB 5727.5 R23 -.0109 R13 .9803 LSA 3951.7 MSA 141.2 SSA 17.4
 BDE 2.1139 BRA 1.5829 BC3 5.1257 FSP -1748 SG1 5716.7 SG2 351.9 THA 2.15 EL1 3533.0 EL2 118.1 ALF 177.98

LAUNCH DATE MAY 29 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 531.676

RL 151.62 LAL .00 LOL 246.96 VL 26.654 GAL 4.39 AZL 93.09 HCA 244.79 SMA 127.59 ECC .20280 INC 3.0870 V1 29.385
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.809 GAP 7.42 AZP 88.68 TAL 162.20 TAP 47.00 RCA 101.71 APO 153.46 V2 35.259
 RC 131.355 GL -23.18 GP -4.29 ZAL 61.18 ZAP 155.10 ETS 351.30 ZAE 128.95 ETE 183.70 ZAC 109.53 ETC 14.18 CLP-155.45

PLANETOCENTRIC CONIC

C3 13.221 VHL 3.636 DLA -24.56 RAL 178.06 RAD 6567.5 VEL 11.602 PTH 2.03 VHP 5.383 DPA 8.31 RAP 157.76 ECC 1.2176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 24 1221.07 10.56 344.12 35.85 116.43 11 1 45 621.1 14.02 337.16
 90.00 14 56 32 5663.14 27.88 266.77 41.02 95.18 16 30 56 5063.1 28.30 258.13
 100.00 11 41 22 1027.47 8.88 329.01 34.96 118.66 11 58 30 427.5 12.64 322.24
 100.00 16 39 15 5331.98 29.77 242.56 41.17 92.87 18 8 7 4732.0 29.85 233.76
 110.00 12 8 16 943.13 5.17 320.36 32.70 123.84 12 23 59 343.1 9.58 314.04
 110.00 18 28 51 4989.09 34.10 216.53 41.18 87.43 19 52 0 4389.1 33.37 207.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2044 TRA 1.7328 TC3-4.9084 BAU .8696 SGT 5815.4 SGR 408.3 SG3 491.9 ST 3589.9 SR 195.0 SS 1714.6
 RDE .1120 RRA .1589 RC3 -.3362 FAU .05465 RRT .4573 RRF .4374 RTF .9799 CRT -.7685 CRS .7381 CST -.9989
 FDE-2.2341 FRA 2.1009 FC3-3.5787 BSP 18435 SGB 5829.7 R23 -.0141 R13 .9799 LSA 3980.5 MSA 145.1 SSA 17.3
 BDE 2.2072 BRA 1.7400 BC3 4.9199 FSP -1638 SG1 5818.4 SG2 362.9 THA 1.85 EL1 3593.1 EL2 124.7 ALF 177.61

LAUNCH DATE MAY 29 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 537.604

RL 151.62 LAL .00 LOL 246.96 VL 26.627 GAL 4.73 AZL 93.12 HCA 248.04 SMA 127.41 ECC .20656 INC 3.1245 V1 29.385
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.789 GAP 7.85 AZP 88.83 TAL 161.19 TAP 49.23 RCA 101.09 APO 153.73 V2 35.259
 RC 133.537 GL -22.68 GP -4.01 ZAL 59.42 ZAP 156.76 ETS 351.10 ZAE 128.29 ETE 183.49 ZAC 107.91 ETC 14.16 CLP-157.09

PLANETOCENTRIC CONIC

C3 14.068 VHL 3.751 DLA -24.85 RAL 179.98 RAD 6567.6 VEL 11.638 PTH 2.04 VHP 5.599 DPA 7.98 RAP 159.37 ECC 1.2315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 53 54 1217.83 10.65 343.93 38.78 116.39 11 14 12 617.8 14.12 336.97
 90.00 14 59 18 5693.49 27.67 268.97 44.04 96.26 16 34 12 5093.5 28.25 260.35
 100.00 11 52 58 1027.14 8.89 328.99 37.85 118.66 12 10 5 427.1 12.65 322.22
 100.00 16 42 56 5359.41 29.66 244.59 44.24 93.94 18 12 15 4759.4 29.89 235.79
 110.00 12 18 38 946.64 5.04 320.54 35.50 123.85 12 34 24 346.6 9.45 314.23
 110.00 18 33 45 5012.67 34.15 218.37 44.35 88.51 19 57 18 4412.7 33.57 209.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2932 TRA 1.9041 TC3-4.6817 BAU .8824 SGT 5905.9 SGR 406.6 SG3 459.5 ST 3634.1 SR 217.8 SS 1655.6
 RDE .1324 RRA .1596 RC3 -.3048 FAU .04974 RRT .3978 RRF .3761 RTF .9794 CRT -.7962 CRS .7680 CST -.9989
 FDE-2.1305 FRA 2.0933 FC3-3.0611 BSP 18705 SGB 5919.9 R23 -.0165 R13 .9793 LSA 3996.6 MSA 149.7 SSA 17.2
 BDE 2.2970 BRA 1.9108 BC3 4.6916 FSP -1530 SG1 5908.1 SG2 372.9 THA 1.58 EL1 3638.3 EL2 131.7 ALF 177.26

LAUNCH DATE MAY 29 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 543.499

RL 151.62 LAL .00 LOL 246.96 VL 26.599 GAL 5.09 AZL 93.16 HCA 251.29 SMA 127.23 ECC .21058 INC 3.1603 V1 29.385
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.768 GAP 8.28 AZP 88.99 TAL 160.16 TAP 51.45 RCA 100.44 APO 154.02 V2 35.257
 RC 135.709 GL -22.15 GP -3.77 ZAL 57.67 ZAP 158.34 ETS 350.84 ZAE 127.69 ETE 183.31 ZAC 106.22 ETC 14.13 CLP-158.66

PLANETOCENTRIC CONIC

C3 15.014 VHL 3.875 DLA -25.08 RAL 181.90 RAD 6567.6 VEL 11.679 PTH 2.05 VHP 5.823 DPA 7.59 RAP 161.03 ECC 1.2471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 5 46 1217.82 10.65 343.93 41.76 116.39 11 26 4 617.8 14.12 336.97
 90.00 15 2 46 5722.39 27.44 271.05 47.11 97.28 16 38 9 5122.4 28.16 262.46
 100.00 12 4 1 1029.77 8.80 329.14 40.78 118.68 12 21 11 429.8 12.56 322.37
 100.00 16 47 13 5385.67 29.52 246.53 47.36 94.95 18 16 58 4785.7 29.89 237.75
 110.00 12 28 36 952.65 4.81 320.86 38.34 123.88 12 44 29 352.6 9.23 314.55
 110.00 18 39 7 5035.56 34.18 220.16 47.58 89.57 20 3 2 4435.6 33.74 210.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3842 TRA 2.0833 TC3-4.4537 BAU .8957 SGT 5992.4 SGR 406.1 SG3 429.9 ST 3671.6 SR 239.5 SS 1600.1
 RDE .1530 RRA .1598 RC3 -.2756 FAU .04540 RRT .3400 RRF .3166 RTF .9790 CRT -.8155 CRS .7891 CST -.9989
 FDE-2.0369 FRA 2.0837 FC3-2.6179 BSP 19026 SGB 6006.2 R23 -.0187 R13 .9789 LSA 4009.3 MSA 154.2 SSA 17.0
 BDE 2.3891 BRA 2.0894 BC3 4.4622 FSP -1438 SG1 5994.0 SG2 381.8 THA 1.33 EL1 3676.8 EL2 138.4 ALF 176.95

LAUNCH DATE MAY 29 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 549.358

RL 151.62 LAL .00 LOL 246.96 VL 26.571 GAL 5.47 AZL 93.19 HCA 254.54 SMA 127.04 ECC .21490 INC 3.1948 V1 29.385
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.746 GAP 8.73 AZP 89.15 TAL 159.12 TAP 53.65 RCA 99.74 APO 154.35 V2 35.255
 RC 137.871 GL -21.57 GP -3.56 ZAL 55.92 ZAP 159.85 ETS 350.54 ZAE 127.15 ETE 183.15 ZAC 104.48 ETC 14.08 CLP-160.16

PLANETOCENTRIC CONIC

C3 16.073 VHL 4.009 DLA -25.27 RAL 183.82 RAD 6567.6 VEL 11.724 PTH 2.07 VHP 6.056 DPA 7.14 RAP 162.74 ECC 1.2645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 16 57 1221.18 10.55 344.13 44.77 116.43 11 37 18 621.2 14.02 337.17
 90.00 15 6 56 5749.80 27.19 273.02 50.23 98.24 16 42 45 5149.8 28.05 264.46
 100.00 12 14 28 1035.44 8.62 329.46 43.74 118.73 12 31 44 435.4 12.39 322.70
 100.00 16 52 5 5410.77 29.36 248.38 50.54 95.91 18 22 16 4810.8 29.86 239.61
 110.00 12 38 9 961.16 4.49 321.30 41.21 123.92 12 54 10 361.2 8.91 315.01
 110.00 18 44 54 5057.82 34.18 221.90 50.86 90.60 20 9 12 4457.8 33.88 212.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4744 TRA 2.2746 TC3-4.2153 BAU .9074 SGT 6070.5 SGR 406.2 SG3 402.7 ST 3698.4 SR 260.0 SS 1545.8
 RDE .1740 RRA .1596 RC3 -.2481 FAU .04135 RRT .2838 RRF .2592 RTF .9785 CRT -.8290 CRS .8041 CST -.9990
 FDE-1.9487 FRA 2.0769 FC3-2.2273 BSP 19327 SGB 6084.1 R23 -.0205 R13 .9785 LSA 4013.7 MSA 159.0 SSA 16.7
 BDE 2.4805 BRA 2.2802 BC3 4.2226 FSP -1353 SG1 6071.6 SG2 389.4 THA 1.09 EL1 3704.7 EL2 145.2 ALF 176.66

LAUNCH DATE MAY 29 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 555.179

RL 151.62 LAL .00 LOL 246.96 VL 26.542 GAL 5.88 AZL 93.23 HCA 257.78 SMA 126.86 ECC .21953 INC 3.2282 V1 29.385
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.723 GAP 9.19 AZP 89.32 TAL 158.06 TAP 55.84 RCA 99.01 APO 154.71 V2 35.253
 RC 140.023 GL -20.97 GP -3.37 ZAL 54.19 ZAP 161.30 ETS 350.18 ZAE 126.65 ETE 183.00 ZAC 102.68 ETC 14.02 CLP-161.60

PLANETOCENTRIC CONIC

C3 17.261 VHL 4.155 DLA -25.42 RAL 185.73 RAD 6567.7 VEL 11.775 PTH 2.08 VHP 6.299 DPA 6.64 RAP 164.49 ECC 1.2841
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 27 21 1228.02 10.35 344.52 47.80 116.51 11 47 49 628.0 13.82 337.57
 90.00 15 11 46 5775.65 26.92 274.86 53.40 99.13 16 48 2 5175.6 27.91 266.34
 100.00 12 24 18 1044.17 8.33 329.95 46.73 118.81 12 41 42 444.2 12.11 323.20
 100.00 16 57 31 5434.72 29.18 250.14 53.76 96.82 18 28 6 4834.7 29.81 241.39
 110.00 12 47 15 972.16 4.07 321.88 44.12 123.97 13 3 27 372.2 8.50 315.60
 110.00 18 51 3 5079.50 34.15 223.59 54.19 91.60 20 15 43 4479.5 34.00 214.35

DIFFERENTIAL CORRECTIONS

TDE-2.5642 TRA 2.4785 TC3-3.9700 BAU .9175
 RDE .1955 RRA .1588 RC3 -.2221 FAU .03759
 FDE-1.8659 FRA 2.0722 FC3-1.8856 BSP 19601
 BDE 2.5717 BRA 2.4836 BC3 3.9762 FSP -1274

MID-COURSE EXECUTION ACCURACY

SGT 6140.7 SGR 406.8 SG3 377.5
 RRT .2294 RRF .2040 RTF .9781
 SGB 6154.2 R23 -.0219 R13 .9781
 SG1 6141.4 SG2 395.9 THA .87

ORBIT DETERMINATION ACCURACY

ST 3715.4 SR 279.3 SS 1492.9
 CRT -.8386 CRS .8150 CST -.9990
 LSA 4010.5 MSA 164.0 SSA 16.4
 EL1 3722.8 EL2 151.8 ALF 176.39

LAUNCH DATE MAY 29 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 560.958

RL 151.62 LAL .00 LOL 246.96 VL 26.513 GAL 6.31 AZL 93.26 HCA 261.03 SMA 126.67 ECC .22450 INC 3.2608 V1 29.385
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.700 GAP 9.66 AZP 89.49 TAL 156.99 TAP 58.02 RCA 98.23 APO 155.11 V2 35.249
 RC 142.165 GL -20.34 GP -3.20 ZAL 52.49 ZAP 162.70 ETS 349.75 ZAE 126.19 ETE 182.87 ZAC 100.84 ETC 13.96 CLP-162.99

PLANETOCENTRIC CONIC

C3 18.594 VHL 4.312 DLA -25.52 RAL 187.63 RAD 6567.8 VEL 11.831 PTH 2.10 VHP 6.553 DPA 6.08 RAP 166.28 ECC 1.3060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 36 57 1238.40 10.03 345.12 50.85 116.62 11 57 36 638.4 13.52 338.19
 90.00 15 17 18 5799.93 26.65 276.59 56.61 99.95 16 53 58 5199.9 27.75 268.10
 100.00 12 33 27 1055.98 7.94 330.61 49.74 118.91 12 51 3 456.0 11.74 323.88
 100.00 17 3 29 5457.58 28.98 251.81 57.02 97.67 18 34 27 4857.6 29.74 243.09
 110.00 12 55 52 985.65 3.56 322.59 47.04 124.02 13 12 18 385.6 8.00 316.32
 110.00 18 57 34 5100.68 34.10 225.24 57.56 92.58 20 22 34 4500.7 34.08 216.00

DIFFERENTIAL CORRECTIONS

TDE-2.6503 TRA 2.6995 TC3-3.7119 BAU .9240
 RDE .2176 RRA .1573 RC3 -.1975 FAU .03391
 FDE-1.7847 FRA 2.0730 FC3-1.5789 BSP 19757
 BDE 2.6592 BRA 2.7040 BC3 3.7171 FSP -1193

MID-COURSE EXECUTION ACCURACY

SGT 6200.6 SGR 407.7 SG3 354.1
 RRT .1771 RRF .1516 RTF .9776
 SGB 6214.0 R23 -.0226 R13 .9776
 SG1 6201.0 SG2 401.2 THA .67

ORBIT DETERMINATION ACCURACY

ST 3719.2 SR 297.4 SS 1439.5
 CRT -.8451 CRS .8223 CST -.9991
 LSA 3995.5 MSA 169.4 SSA 16.1
 EL1 3727.7 EL2 158.6 ALF 176.13

LAUNCH DATE MAY 29 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 566.690

RL 151.62 LAL .00 LOL 246.96 VL 26.484 GAL 6.77 AZL 93.29 HCA 264.28 SMA 126.49 ECC .22985 INC 3.2928 V1 29.385
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.675 GAP 10.15 AZP 89.67 TAL 155.92 TAP 60.20 RCA 97.41 APO 155.56 V2 35.245
 RC 144.295 GL -19.69 GP -3.04 ZAL 50.80 ZAP 164.05 ETS 349.25 ZAE 125.77 ETE 182.76 ZAC 98.96 ETC 13.90 CLP-164.33

PLANETOCENTRIC CONIC

C3 20.093 VHL 4.482 DLA -25.59 RAL 189.50 RAD 6567.8 VEL 11.894 PTH 2.11 VHP 6.819 DPA 5.49 RAP 168.10 ECC 1.3307
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 45 42 1252.37 9.60 345.93 53.91 116.77 12 6 35 652.4 13.12 339.01
 90.00 15 23 29 5822.64 26.37 278.19 59.86 100.71 17 0 31 5222.6 27.58 269.74
 100.00 12 41 55 1070.86 7.45 331.44 52.75 119.03 12 59 46 470.9 11.27 324.73
 100.00 17 9 57 5479.37 28.77 253.39 60.32 98.48 18 41 16 4879.4 29.64 244.70
 110.00 13 4 0 1001.59 2.95 323.42 49.98 124.07 13 20 41 401.6 7.40 317.16
 110.00 19 4 22 5121.41 34.02 226.86 60.97 93.53 20 29 43 4521.4 34.14 217.61

DIFFERENTIAL CORRECTIONS

TDE-2.7407 TRA 2.9303 TC3-3.4616 BAU .9310
 RDE .2402 RRA .1548 RC3 -.1746 FAU .03067
 FDE-1.7129 FRA 2.0724 FC3-1.3214 BSP 19998
 BDE 2.7512 BRA 2.9344 BC3 3.4660 FSP -1126

MID-COURSE EXECUTION ACCURACY

SGT 6256.9 SGR 408.5 SG3 332.6
 RRT .1258 RRF .1004 RTF .9773
 SGB 6270.2 R23 -.0233 R13 .9773
 SG1 6257.1 SG2 405.2 THA .47

ORBIT DETERMINATION ACCURACY

ST 3719.3 SR 314.0 SS 1390.6
 CRT -.8503 CRS .8284 CST -.9991
 LSA 3979.3 MSA 174.3 SSA 15.7
 EL1 3728.9 EL2 164.8 ALF 175.89

LAUNCH DATE MAY 29 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 572.371

RL 151.62 LAL .00 LOL 246.96 VL 26.454 GAL 7.26 AZL 93.32 HCA 267.52 SMA 126.30 ECC .23560 INC 3.3244 V1 29.385
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.650 GAP 10.66 AZP 89.86 TAL 154.84 TAP 62.36 RCA 96.54 APO 156.05 V2 35.240
 RC 146.414 GL -19.03 GP -2.90 ZAL 49.15 ZAP 165.35 ETS 348.66 ZAE 125.38 ETE 182.65 ZAC 97.04 ETC 13.84 CLP-165.63

PLANETOCENTRIC CONIC

C3 21.781 VHL 4.667 DLA -25.61 RAL 191.34 RAD 6567.9 VEL 11.965 PTH 2.13 VHP 7.098 DPA 4.86 RAP 169.95 ECC 1.3585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 53 36 1269.87 9.06 346.93 56.96 116.94 12 14 45 669.9 12.61 340.04
 90.00 15 30 16 5843.85 26.09 279.68 63.14 101.41 17 7 40 5243.8 27.40 271.26
 100.00 12 49 41 1088.76 6.86 332.44 55.77 119.17 13 7 50 488.8 10.70 325.75
 100.00 17 16 52 5500.19 28.55 254.90 63.65 99.25 18 48 32 4900.2 29.53 246.24
 110.00 13 11 37 1019.93 2.25 324.38 52.93 124.12 13 28 37 419.9 6.71 318.14
 110.00 19 11 25 5141.78 33.93 228.44 64.40 94.46 20 37 7 4541.8 34.17 219.20

DIFFERENTIAL CORRECTIONS

TDE-2.8319 TRA 3.1759 TC3-3.2111 BAU .9361
 RDE .2633 RRA .1513 RC3 -.1533 FAU .02763
 FDE-1.6459 FRA 2.0741 FC3-1.0981 BSP 20217
 BDE 2.8441 BRA 3.1795 BC3 3.2148 FSP -1063

MID-COURSE EXECUTION ACCURACY

SGT 6306.1 SGR 409.2 SG3 312.8
 RRT .0759 RRF .0508 RTF .9771
 SGB 6319.4 R23 -.0237 R13 .9771
 SG1 6306.2 SG2 408.0 THA .28

ORBIT DETERMINATION ACCURACY

ST 3711.8 SR 329.2 SS 1343.9
 CRT -.8540 CRS .8329 CST -.9992
 LSA 3957.2 MSA 179.1 SSA 15.4
 EL1 3722.5 EL2 170.8 ALF 175.66

LAUNCH DATE MAY 29 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 577.994

RL 151.62 LAL .00 LOL 246.96 VL 26.425 GAL 7.77 AZL 93.36 HCA 270.77 SMA 126.11 ECC .24179 INC 3.3558 V1 29.385
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.624 GAP 11.18 AZP 90.04 TAL 153.76 TAP 64.53 RCA 95.62 APO 156.60 V2 35.234
 RC 148.521 GL -18.36 GP -2.78 ZAL 47.54 ZAP 166.61 ETS 347.97 ZAE 125.01 ETE 182.54 ZAC 95.10 ETC 13.78 CLP-166.90

PLANETOCENTRIC CONIC

C3 23.686 VHL 4.867 DLA -25.61 RAL 193.14 RAD 6568.0 VEL 12.044 PTH 2.15 VHP 7.392 DPA 4.19 RAP 171.82 ECC 1.3898
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 0 37 1290.82 8.42 348.13 60.01 117.14 12 22 8 690.8 11.99 341.27
 90.00 15 37 38 5863.65 25.82 281.07 66.46 102.05 17 15 22 5263.7 27.22 272.68
 100.00 12 56 45 1109.59 6.17 333.60 58.79 119.31 13 15 14 509.6 10.03 326.94
 100.00 17 24 12 5520.12 28.33 256.34 67.00 99.97 18 56 12 4920.1 29.41 247.71
 110.00 13 18 43 1040.63 1.46 325.46 55.87 124.16 13 36 4 440.6 5.93 319.23
 110.00 19 18 42 5161.85 33.81 229.99 67.87 95.38 20 44 44 4561.8 34.18 220.77

DIFFERENTIAL CORRECTIONS

TDE-2.9236 TRA 3.4376 TC3-2.9619 BAU .9389
 RDE .2871 RRA .1467 RC3 -.1335 FAU .02475
 FDE-1.5833 FRA 2.0782 FC3 -.9046 BSP .20407
 BDE 2.9377 BRA 3.4407 BC3 2.9649 FSP -1004

MID-COURSE EXECUTION ACCURACY

SGT 6348.0 SGR 409.7 SG3 294.4
 RRT .0271 RRF .0028 RTF .9768
 SGB 6361.3 R23 -.0238 R13 .9768
 SG1 6348.1 SG2 409.5 THA .10

ORBIT DETERMINATION ACCURACY

ST 3696.9 SR 342.9 SS 1299.1
 CRT -.8565 CRS .8362 CST -.9992
 LSA 3929.1 MSA 183.8 SSA 15.0
 EL1 3708.5 EL2 176.4 ALF 175.45

LAUNCH DATE MAY 29 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 583.554

RL 151.62 LAL .00 LOL 246.96 VL 26.395 GAL 8.33 AZL 93.39 HCA 274.01 SMA 125.92 ECC .24847 INC 3.3873 V1 29.385
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.597 GAP 11.74 AZP 90.24 TAL 152.68 TAP 66.69 RCA 94.63 APO 157.21 V2 35.228
 RC 150.615 GL -17.67 GP -2.67 ZAL 45.97 ZAP 167.85 ETS 347.13 ZAE 124.66 ETE 182.45 ZAC 93.13 ETC 13.73 CLP-168.14

PLANETOCENTRIC CONIC

C3 25.839 VHL 5.083 DLA -25.56 RAL 194.90 RAD 6568.0 VEL 12.133 PTH 2.17 VHP 7.702 DPA 3.49 RAP 173.70 ECC 1.4253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 48 1315.09 7.66 349.51 63.04 117.34 12 28 43 715.1 11.26 342.69
 90.00 15 45 30 5882.20 25.55 282.36 69.80 102.64 17 23 32 5282.2 27.04 274.01
 100.00 13 3 7 1133.25 5.38 334.91 61.80 119.45 13 22 0 533.3 9.26 328.27
 100.00 17 31 52 5539.27 28.09 257.72 70.38 100.66 19 4 11 4939.3 29.28 249.11
 110.00 13 25 19 1063.59 .58 326.66 58.82 124.18 13 43 2 463.6 5.06 320.44
 110.00 19 26 9 5181.69 33.67 231.53 71.35 96.28 20 52 31 4581.7 34.17 222.32

DIFFERENTIAL CORRECTIONS

TDE-3.0130 TRA 3.7203 TC3-2.7103 BAU .9371
 RDE .3116 RRA .1407 RC3 -.1153 FAU .02192
 FDE-1.5226 FRA 2.0874 FC3 -.7344 BSP .20480
 BDE 3.0291 BRA 3.7229 BC3 2.7127 FSP -943

MID-COURSE EXECUTION ACCURACY

SGT 6382.2 SGR 409.9 SG3 277.4
 RRT -.0200 RRF -.0430 RTF .9766
 SGB 6395.4 R23 .0234 R13 -.9766
 SG1 6382.2 SG2 409.8 THA 179.93

ORBIT DETERMINATION ACCURACY

ST 3672.2 SR 355.2 SS 1255.2
 CRT -.8579 CRS .8380 CST -.9992
 LSA 3892.5 MSA 188.5 SSA 14.7
 EL1 3684.9 EL2 181.9 ALF 175.25

LAUNCH DATE MAY 29 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 589.042

RL 151.62 LAL .00 LOL 246.96 VL 26.365 GAL 8.91 AZL 93.42 HCA 277.25 SMA 125.74 ECC .25569 INC 3.4191 V1 29.385
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.570 GAP 12.32 AZP 90.43 TAL 151.61 TAP 68.86 RCA 93.59 APO 157.88 V2 35.221
 RC 152.696 GL -16.98 GP -2.56 ZAL 44.44 ZAP 169.05 ETS 346.11 ZAE 124.33 ETE 182.35 ZAC 91.14 ETC 13.69 CLP-169.35

PLANETOCENTRIC CONIC

C3 28.279 VHL 5.318 DLA -25.49 RAL 196.62 RAD 6568.1 VEL 12.233 PTH 2.20 VHP 8.031 DPA 2.77 RAP 175.60 ECC 1.4654
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 12 10 1342.49 6.80 351.06 66.05 117.55 12 34 32 742.5 10.44 344.27
 90.00 15 53 47 611.59 25.28 305.66 73.16 103.19 16 3 59 11.6 26.85 297.34
 100.00 13 8 48 1159.62 4.49 336.37 64.79 119.58 13 28 8 559.6 8.40 329.76
 100.00 17 39 50 5557.74 27.85 259.04 73.78 101.32 19 12 28 4957.7 29.13 250.47
 110.00 13 31 23 1088.75 -.38 327.97 61.76 124.18 13 49 32 488.8 4.11 321.76
 110.00 19 33 44 5201.37 33.51 233.04 74.85 97.16 21 0 26 4601.4 34.14 223.86

DIFFERENTIAL CORRECTIONS

TDE-3.1094 TRA 4.0160 TC3-2.4724 BAU .9355
 RDE .3366 RRA .1333 RC3 -.0988 FAU .01941
 FDE-1.4698 FRA 2.0960 FC3 -.5943 BSP .20651
 BDE 3.1276 BRA 4.0182 BC3 2.4744 FSP -893

MID-COURSE EXECUTION ACCURACY

SGT 6412.1 SGR 409.7 SG3 261.6
 RRT -.0670 RRF -.0886 RTF .9766
 SGB 6425.2 R23 .0229 R13 -.9766
 SG1 6412.2 SG2 408.8 THA 179.75

ORBIT DETERMINATION ACCURACY

ST 3646.6 SR 365.8 SS 1216.0
 CRT -.8592 CRS .8399 CST -.9993
 LSA 3856.5 MSA 192.4 SSA 14.3
 EL1 3660.1 EL2 186.5 ALF 175.06

LAUNCH DATE MAY 29 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 594.447

RL 151.62 LAL .00 LOL 246.96 VL 26.335 GAL 9.55 AZL 93.45 HCA 280.49 SMA 125.55 ECC .26350 INC 3.4513 V1 29.385
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.542 GAP 12.93 AZP 90.63 TAL 150.55 TAP 71.04 RCA 92.47 APO 158.63 V2 35.214
 RC 154.762 GL -16.29 GP -2.47 ZAL 42.95 ZAP 170.23 ETS 344.86 ZAE 124.00 ETE 182.26 ZAC 89.13 ETC 13.66 CLP-170.55

PLANETOCENTRIC CONIC

C3 31.051 VHL 5.572 DLA -25.38 RAL 198.28 RAD 6568.2 VEL 12.346 PTH 2.23 VHP 8.380 DPA 2.02 RAP 177.51 ECC 1.5110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 16 46 1372.82 5.84 352.78 69.04 117.76 12 39 38 772.8 9.51 346.02
 90.00 16 2 26 628.10 25.02 306.80 76.53 103.71 16 12 54 28.1 26.66 298.52
 100.00 13 13 50 1188.54 3.52 337.96 67.77 119.70 13 33 39 588.5 7.45 331.38
 100.00 17 48 3 5575.65 27.61 260.31 77.19 101.95 19 20 59 4975.7 28.97 251.77
 110.00 13 36 57 1116.01 -1.42 329.39 64.69 124.16 13 55 33 516.0 3.07 323.19
 110.00 19 41 25 5220.94 33.34 234.54 78.36 98.03 21 8 26 4620.9 34.09 225.38

DIFFERENTIAL CORRECTIONS

TDE-3.2086 TRA 4.3314 TC3-2.2404 BAU .9307
 RDE .3622 RRA .1242 RC3 -.0839 FAU .01703
 FDE-1.4214 FRA 2.1073 FC3 -.4749 BSP .20796
 BDE 3.2290 BRA 4.3332 BC3 2.2420 FSP -845

MID-COURSE EXECUTION ACCURACY

SGT 6435.8 SGR 409.2 SG3 246.9
 RRT -.1133 RRF -.1332 RTF .9768
 SGB 6448.8 R23 .0222 R13 -.9768
 SG1 6436.0 SG2 406.6 THA 179.59

ORBIT DETERMINATION ACCURACY

ST 3616.3 SR 374.9 SS 1179.5
 CRT -.8600 CRS .8413 CST -.9993
 LSA 3817.1 MSA 195.8 SSA 13.9
 EL1 3630.6 EL2 190.5 ALF 174.89

LAUNCH DATE MAY 29 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 599.758

RL 151.62 LAL .00 LOL 246.96 VL 26.306 GAL 10.22 AZL 93.48 HCA 283.73 SMA 125.36 ECC .27197 INC 3.4841 V1 29.385
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.513 GAP 13.57 AZP 90.83 TAL 149.50 TAP 73.22 RCA 91.27 APO 159.46 V2 35.205
 RC 156.813 GL -15.60 GP -2.39 ZAL 41.52 ZAP 171.39 ETS 343.28 ZAE 123.69 ETE 182.17 ZAC 87.12 ETC 13.64 CLP-171.72

PLANETOCENTRIC CONIC

C3 34.208 VHL 5.849 DLA -25.25 RAL 199.88 RAD 6568.3 VEL 12.473 PTH 2.26 VHP 8.752 DPA 1.26 RAP 179.42 ECC 1.5630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 20 37 1405.85 4.79 354.64 72.01 117.94 12 44 3 805.8 8.49 347.91
 90.00 16 11 22 643.84 24.76 307.88 79.91 104.19 16 22 6 43.8 26.47 299.63
 100.00 13 18 14 1219.86 2.46 339.68 70.72 119.80 13 38 34 619.9 6.41 333.12
 100.00 17 56 26 5593.10 27.35 261.55 80.60 102.55 19 29 40 4993.1 28.81 253.05
 110.00 13 42 0 1145.27 -2.54 330.92 67.61 124.10 14 1 6 545.3 1.95 324.72
 110.00 19 49 9 5240.46 33.14 236.03 81.87 98.89 21 16 30 4640.5 34.02 226.90

DIFFERENTIAL CORRECTIONS

TDE-3.3110 TRA 4.6682 TC3-2.0158 BAU .9224
 RDE .3884 RRA .1134 RC3 -.0705 FAU .01476
 FDE-1.3770 FRA 2.1220 FC3 -.3736 BSP 20918
 BDE 3.3338 BRA 4.6696 BC3 2.0170 FSP -800

MID-COURSE EXECUTION ACCURACY

SGT 6453.4 SGR 408.3 SG3 233.3
 RRT -.1588 RRF -.1767 RTF .9770
 SGB 6466.3 R23 .0212 R13 -.9770
 SG1 6453.7 SG2 403.1 THA 179.42

ORBIT DETERMINATION ACCURACY

ST 3581.5 SR 382.3 SS 1145.6
 CRT -.8605 CRS .8423 CST -.9993
 LSA 3774.3 MSA 198.7 SSA 13.5
 EL1 3596.6 EL2 194.0 ALF 174.74

LAUNCH DATE MAY 29 1967

FLIGHT TIME 216.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 604.962

RL 151.62 LAL .00 LOL 246.96 VL 26.276 GAL 10.95 AZL 93.52 HCA 286.97 SMA 125.18 ECC .28118 INC 3.5179 V1 29.385
 RP 107.67 LAP 3.36 LOP 173.95 VP 37.484 GAP 14.26 AZP 91.03 TAL 148.47 TAP 75.43 RCA 89.98 APO 160.38 V2 35.197
 RC 158.850 GL -14.92 GP -2.31 ZAL 40.14 ZAP 172.53 ETS 341.23 ZAE 123.37 ETE 182.09 ZAC 85.10 ETC 13.64 CLP-172.89

PLANETOCENTRIC CONIC

C3 37.814 VHL 6.149 DLA -25.09 RAL 201.42 RAD 6568.5 VEL 12.617 PTH 2.29 VHP 9.150 DPA .48 RAP 181.34 ECC 1.6223
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 23 48 1441.36 3.65 356.63 74.95 118.10 12 47 49 841.4 7.38 349.93
 90.00 16 20 29 658.96 24.51 308.92 83.30 104.65 16 31 28 59.0 26.28 300.70
 100.00 13 22 1 1253.42 1.32 341.53 73.65 119.87 13 42 54 653.4 5.29 334.98
 100.00 18 4 58 5610.18 27.10 262.75 84.01 103.13 19 38 28 5010.2 28.63 254.28
 110.00 13 46 34 1176.42 -3.73 332.55 70.51 124.00 14 6 10 576.4 .76 326.34
 110.00 19 56 54 5259.94 32.93 237.51 85.37 99.74 21 24 34 4659.9 33.92 228.42

DIFFERENTIAL CORRECTIONS

TDE-3.4176 TRA 5.0279 TC3-1.7996 BAU .9103
 RDE .4152 RRA .1007 RC3 -.0587 FAU .01259
 FDE-1.3367 FRA 2.1399 FC3 -.2883 BSP 21018
 BDE 3.4427 BRA 5.0289 BC3 1.8006 FSP -758

MID-COURSE EXECUTION ACCURACY

SGT 6465.0 SGR 407.0 SG3 220.7
 RRT -.2038 RRF -.2195 RTF .9774
 SGB 6477.8 R23 .0200 R13 -.9774
 SG1 6465.5 SG2 398.4 THA 179.26

ORBIT DETERMINATION ACCURACY

ST 3543.0 SR 388.1 SS 1114.5
 CRT -.8607 CRS .8430 CST -.9994
 LSA 3728.9 MSA 201.0 SSA 13.2
 EL1 3558.7 EL2 196.7 ALF 174.60

LAUNCH DATE MAY 29 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 610.041

RL 151.62 LAL .00 LOL 246.96 VL 26.247 GAL 11.73 AZL 93.55 HCA 290.20 SMA 125.00 ECC .29121 INC 3.5528 V1 29.385
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.455 GAP 14.99 AZP 91.23 TAL 147.46 TAP 77.66 RCA 88.60 APO 161.40 V2 35.187
 RC 160.871 GL -14.23 GP -2.24 ZAL 38.82 ZAP 173.65 ETS 338.45 ZAE 123.06 ETE 182.00 ZAC 83.07 ETC 13.65 CLP-174.06

PLANETOCENTRIC CONIC

C3 41.948 VHL 6.477 DLA -24.90 RAL 202.90 RAD 6568.6 VEL 12.779 PTH 2.32 VHP 9.577 DPA -.31 RAP 183.26 ECC 1.6904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 26 20 1479.13 2.44 358.74 77.85 118.22 12 50 59 879.1 6.20 352.07
 90.00 16 29 45 673.60 24.25 309.91 86.68 105.08 16 40 59 73.6 26.09 301.72
 100.00 13 25 12 1289.05 .11 343.48 76.56 119.89 13 46 41 689.0 4.09 336.95
 100.00 18 13 34 5626.95 26.83 263.93 87.41 103.70 19 47 21 5026.9 28.45 255.50
 110.00 13 50 37 1209.35 -4.98 334.28 73.39 123.86 14 10 46 609.3 -.50 328.06
 110.00 20 4 39 5279.41 32.69 238.98 88.86 100.59 21 32 38 4679.4 33.81 229.93

DIFFERENTIAL CORRECTIONS

TDE-3.5261 TRA 5.4163 TC3-1.5893 BAU .8917
 RDE .4425 RRA .0858 RC3 -.0485 FAU .01044
 FDE-1.2988 FRA 2.1631 FC3 -.2154 BSP 21018
 BDE 3.5538 BRA 5.4170 BC3 1.5901 FSP -715

MID-COURSE EXECUTION ACCURACY

SGT 6471.1 SGR 405.2 SG3 209.0
 RRT -.2478 RRF -.2610 RTF .9779
 SGB 6483.7 R23 .0183 R13 -.9779
 SG1 6471.9 SG2 392.5 THA 179.11

ORBIT DETERMINATION ACCURACY

ST 3499.4 SR 392.3 SS 1085.5
 CRT -.8605 CRS .8432 CST -.9994
 LSA 3679.2 MSA 202.9 SSA 12.8
 EL1 3515.7 EL2 198.9 ALF 174.47

LAUNCH DATE MAY 29 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 614.973

RL 151.62 LAL .00 LOL 246.96 VL 26.218 GAL 12.57 AZL 93.59 HCA 293.44 SMA 124.82 ECC .30215 INC 3.5892 V1 29.385
 RP 107.73 LAP 3.29 LOP 180.43 VP 37.425 GAP 15.78 AZP 91.43 TAL 146.49 TAP 79.92 RCA 87.10 APO 162.53 V2 35.178
 RC 162.878 GL -13.56 GP -2.18 ZAL 37.55 ZAP 174.75 ETS 334.50 ZAE 122.73 ETE 181.92 ZAC 81.06 ETC 13.68 CLP-175.22

PLANETOCENTRIC CONIC

C3 46.704 VHL 6.834 DLA -24.69 RAL 204.31 RAD 6568.7 VEL 12.964 PTH 2.36 VHP 10.038 DPA -1.11 RAP 185.17 ECC 1.7686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 28 15 1518.93 1.16 .96 80.72 118.30 12 53 34 918.9 4.93 354.31
 90.00 16 39 5 687.83 24.00 310.88 90.04 105.50 16 50 33 87.8 25.89 302.72
 100.00 13 27 49 1326.60 -1.16 345.54 79.43 119.87 13 49 56 726.6 2.82 339.02
 100.00 18 22 12 5643.44 26.56 265.08 90.80 104.25 19 56 15 5043.4 28.26 256.69
 110.00 13 54 10 1243.95 -6.29 336.10 76.25 123.67 14 14 54 643.9 -1.82 329.86
 110.00 20 12 20 5298.85 32.44 240.44 92.33 101.41 21 40 39 4698.9 33.67 231.43

DIFFERENTIAL CORRECTIONS

TDE-3.6459 TRA 5.8274 TC3-1.3935 BAU .8704
 RDE .4705 RRA .0686 RC3 -.0397 FAU .00846
 FDE-1.2676 FRA 2.1881 FC3 -.1569 BSP 21110
 BDE 3.6761 BRA 5.8278 BC3 1.3941 FSP -679

MID-COURSE EXECUTION ACCURACY

SGT 6471.8 SGR 403.2 SG3 198.0
 RRT -.2920 RRF -.3028 RTF .9786
 SGB 6484.4 R23 .0167 R13 -.9786
 SG1 6472.9 SG2 385.5 THA 178.95

ORBIT DETERMINATION ACCURACY

ST 3456.7 SR 394.9 SS 1061.0
 CRT -.8607 CRS .8439 CST -.9994
 LSA 3631.6 MSA 203.7 SSA 12.4
 EL1 3473.4 EL2 200.1 ALF 174.37

LAUNCH DATE MAY 30 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 8 1967

HELIOCENTRIC CONIC

DISTANCE 146.235

RL 151.64 LAL .00 LOL 247.92 VL 19.804 GAL 8.91 AZL 92.99 HCA 53.31 SMA 97.72 ECC .56676 INC 2.9850 VI 29.380
 RP 108.93 LAP -2.39 LOP 301.19 VP 32.840 GAP -33.97 AZP 91.78 TAL 173.05 TAP 226.37 RCA 42.34 APO 153.10 V2 34.787
 RC 52.748 GL -5.69 GP .85 ZAL 74.28 ZAP 22.34 ETS 183.40 ZAE 157.77 ETE 156.50 ZAC 120.49 ETC 18.42 CLP 22.33

PLANETOCENTRIC CONIC

C3 105.623 VHL 10.277 DLA -2.73 RAL 171.98 RAD 6570.0 VEL 15.065 PTH 2.71 VHP 19.882 DPA 17.44 RAP 147.22 ECC 2.7383
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 1 2531.85 -25.79 62.61 60.79 102.12 7 24 13 1931.8 -23.86 54.47
 90.00 17 59 32 5345.20 27.65 243.60 63.38 83.63 19 28 38 4745.2 26.48 235.13
 100.00 8 2 5 2273.56 -27.26 43.26 60.43 102.76 8 39 59 1673.6 -25.23 35.04
 100.00 19 22 9 5078.72 29.15 223.80 63.18 83.05 20 46 48 4478.7 27.88 215.23
 110.00 9 7 25 2069.07 -31.25 26.62 59.32 104.62 9 41 54 1469.1 -28.93 18.19
 110.00 20 33 19 4855.98 33.21 206.25 62.53 81.41 21 54 15 4256.0 31.67 197.36

DIFFERENTIAL CORRECTIONS

TDE .5401 TRA-1.2967 TC3 -.0876 BAU .1333
 RDE -.7050 RRA -.3576 RC3 .0353 FAU .01520
 FDE -.3198 FRA .5207 FC3 -.1246 BSP 2090
 BDE .8881 BRA 1.3451 BC3 .0944 FSP -77

MID-COURSE EXECUTION ACCURACY

SGT 804.2 SGR 446.7 SG3 36.8
 RRT .0364 RRF -.0342 RTF -.6354
 SGB 920.0 R23 -.0008 R13 -.6355
 SG1 804.5 SG2 446.3 THA 1.67

ORBIT DETERMINATION ACCURACY

ST 371.3 SR 397.6 SS 341.2
 CRT -.7138 CRS -.8211 CST .9842
 LSA 604.4 MSA 216.4 SSA 14.0
 EL1 503.8 EL2 205.2 ALF 132.26

LAUNCH DATE MAY 30 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 152.459

RL 151.64 LAL .00 LOL 247.92 VL 20.376 GAL 8.54 AZL 93.03 HCA 56.47 SMA 99.40 ECC .54056 INC 3.0262 VI 29.380
 RP 108.94 LAP -2.52 LOP 304.35 VP 33.187 GAP -32.31 AZP 91.67 TAL 172.59 TAP 229.07 RCA 45.67 APO 153.13 V2 34.786
 RC 51.183 GL -6.29 GP .89 ZAL 73.58 ZAP 20.79 ETS 183.56 ZAE 159.04 ETE 153.43 ZAC 118.95 ETC 18.05 CLP 20.77

PLANETOCENTRIC CONIC

C3 94.357 VHL 9.714 DLA -3.56 RAL 172.40 RAD 6569.8 VEL 14.687 PTH 2.66 VHP 19.001 DPA 16.96 RAP 148.82 ECC 2.5529
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 54 2481.82 -25.03 59.15 59.10 103.70 7 31 16 1881.8 -22.90 51.12
 90.00 17 55 0 5346.99 27.66 243.73 62.38 83.69 19 24 7 4747.0 26.50 235.26
 100.00 8 9 35 2224.80 -26.48 39.84 58.69 104.40 8 46 40 1624.8 -24.24 31.76
 100.00 19 18 1 5079.25 29.15 223.84 62.18 83.07 20 42 40 4479.3 27.89 215.27
 110.00 9 14 0 2023.12 -30.41 23.30 57.46 106.42 9 47 44 1423.1 -27.86 15.04
 110.00 20 30 5 4853.69 33.19 206.07 61.54 81.31 21 50 58 4253.7 31.63 197.19

DIFFERENTIAL CORRECTIONS

TDE .5401 TRA-1.2853 TC3 -.0868 BAU .1209
 RDE -.6706 RRA -.3412 RC3 .0405 FAU .01560
 FDE -.3360 FRA .5361 FC3 -.1432 BSP 2246
 BDE .8611 BRA 1.3299 BC3 .0958 FSP -86

MID-COURSE EXECUTION ACCURACY

SGT 840.8 SGR 450.9 SG3 40.2
 RRT .0366 RRF -.0351 RTF -.6559
 SGB 954.1 R23 -.0014 R13 -.6560
 SG1 841.0 SG2 450.5 THA 1.58

ORBIT DETERMINATION ACCURACY

ST 391.7 SR 400.2 SS 361.1
 CRT -.7160 CRS -.8251 CST .9836
 LSA 628.7 MSA 220.4 SSA 14.2
 EL1 518.7 EL2 211.0 ALF 134.15

LAUNCH DATE MAY 30 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 158.748

RL 151.64 LAL .00 LOL 247.92 VL 20.909 GAL 8.17 AZL 93.06 HCA 59.64 SMA 101.06 ECC .51538 INC 3.0645 VI 29.380
 RP 108.94 LAP -2.64 LOP 307.52 VP 33.515 GAP -30.73 AZP 91.55 TAL 172.16 TAP 231.80 RCA 48.98 APO 153.15 V2 34.784
 RC 49.723 GL -6.92 GP .92 ZAL 72.97 ZAP 19.25 ETS 183.78 ZAE 160.39 ETE 149.74 ZAC 117.39 ETC 17.71 CLP 19.22

PLANETOCENTRIC CONIC

C3 84.359 VHL 9.185 DLA -4.39 RAL 172.73 RAD 6569.7 VEL 14.342 PTH 2.61 VHP 18.155 DPA 16.47 RAP 150.43 ECC 2.3883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 27 2431.05 -24.16 55.68 57.30 105.23 7 37 58 1831.0 -21.84 47.78
 90.00 17 50 5 5348.08 27.67 243.81 61.23 83.73 19 19 13 4748.1 26.51 235.33
 100.00 8 16 44 2175.30 -25.60 36.43 56.86 105.99 8 52 59 1575.3 -23.16 28.48
 100.00 19 13 29 5079.06 29.15 223.83 61.04 83.07 20 38 8 4479.1 27.88 215.25
 110.00 9 20 15 1976.45 -29.47 20.00 55.52 108.17 9 53 11 1376.4 -26.70 11.90
 110.00 20 26 28 4850.67 33.16 205.84 60.39 81.17 21 47 18 4250.7 31.58 196.97

DIFFERENTIAL CORRECTIONS

TDE .5400 TRA-1.2735 TC3 -.0846 BAU .1088
 RDE -.6370 RRA -.3249 RC3 .0464 FAU .01604
 FDE -.3531 FRA .5514 FC3 -.1646 BSP 2396
 BDE .8351 BRA 1.3143 BC3 .0965 FSP -96

MID-COURSE EXECUTION ACCURACY

SGT 878.9 SGR 454.4 SG3 44.0
 RRT .0372 RRF -.0362 RTF -.6754
 SGB 989.4 R23 -.0020 R13 -.6755
 SG1 879.1 SG2 454.0 THA 1.50

ORBIT DETERMINATION ACCURACY

ST 413.1 SR 402.1 SS 382.0
 CRT -.7183 CRS -.8293 CST .9831
 LSA 654.1 MSA 223.9 SSA 14.4
 EL1 534.3 EL2 216.2 ALF 136.08

LAUNCH DATE MAY 30 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 165.098

RL 151.64 LAL .00 LOL 247.92 VL 21.403 GAL 7.79 AZL 93.10 HCA 62.80 SMA 102.70 ECC .49122 INC 3.1004 VI 29.380
 RP 108.94 LAP -2.76 LOP 310.68 VP 33.825 GAP -29.23 AZP 91.42 TAL 171.77 TAP 234.57 RCA 52.25 APO 153.15 V2 34.784
 RC 48.377 GL -7.59 GP .96 ZAL 72.46 ZAP 17.71 ETS 184.05 ZAE 161.79 ETE 145.25 ZAC 115.83 ETC 17.38 CLP 17.69

PLANETOCENTRIC CONIC

C3 75.481 VHL 8.688 DLA -5.22 RAL 172.97 RAD 6569.5 VEL 14.030 PTH 2.56 VHP 17.342 DPA 15.97 RAP 152.03 ECC 2.2422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 39 2379.59 -23.20 52.21 55.43 106.71 7 44 18 1779.6 -20.69 44.44
 90.00 17 44 46 5348.60 27.67 243.85 59.94 83.75 19 13 55 4748.6 26.52 235.37
 100.00 8 23 31 2125.14 -24.61 33.03 54.95 107.52 8 58 57 1525.1 -21.98 25.22
 100.00 19 8 34 5078.29 29.14 223.77 59.74 83.04 20 33 13 4478.3 27.87 215.20
 110.00 9 26 8 1929.14 -28.42 16.72 53.52 109.85 9 58 17 1329.1 -25.45 8.80
 110.00 20 22 28 4847.05 33.12 205.57 59.09 81.01 21 43 15 4247.0 31.53 196.70

DIFFERENTIAL CORRECTIONS

TDE .5407 TRA-1.2604 TC3 -.0802 BAU .0970
 RDE -.6042 RRA -.3087 RC3 .0530 FAU .01653
 FDE -.3713 FRA .5665 FC3 -.1896 BSP 2556
 BDE .8108 BRA 1.2976 BC3 .0961 FSP -107

MID-COURSE EXECUTION ACCURACY

SGT 918.3 SGR 457.2 SG3 48.0
 RRT .0375 RRF -.0372 RTF -.6943
 SGB 1025.8 R23 -.0026 R13 -.6944
 SG1 918.5 SG2 456.8 THA 1.42

ORBIT DETERMINATION ACCURACY

ST 435.7 SR 403.1 SS 404.0
 CRT -.7214 CRS -.8337 CST .9825
 LSA 681.2 MSA 226.7 SSA 14.7
 EL1 551.0 EL2 220.8 ALF 138.08

LAUNCH DATE MAY 30 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 171.503

RL 151.64 LAL .00 LOL 247.92 VL 21.864 GAL 7.41 AZL 93.13 HCA 65.96 SMA 104.31 ECC .46812 INC 3.1343 V1 29.380
 RP 108.94 LAP -2.86 LOP 313.84 VP 34.119 GAP -27.81 AZP 91.28 TAL 171.42 TAP 237.38 RCA 55.48 APO 153.14 V2 34.784
 RC 47.155 GL -8.29 GP 1.00 ZAL 72.03 ZAP 16.18 ETS 184.40 ZAE 163.20 ETE 139.72 ZAC 114.25 ETC 17.06 CLP 16.15

PLANETOCENTRIC CONIC

C3 67.597 VHL 8.222 DLA -6.05 RAL 173.11 RAD 6569.3 VEL 13.746 PTH 2.51 VHP 16.560 DPA 15.45 RAP 153.64 ECC 2.1125
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 11 30 2327.55 -22.14 48.77 53.49 108.12 7 50 17 1727.5 -19.46 41.12
 90.00 17 39 2 5348.72 27.68 243.85 58.51 83.76 19 8 10 4748.7 26.52 235.38
 100.00 8 29 58 2074.40 -23.53 29.65 52.98 108.99 9 4 33 1474.4 -20.72 21.98
 100.00 19 3 14 5077.11 29.13 223.69 58.31 82.99 20 27 51 4477.1 27.86 215.11
 110.00 9 31 39 1881.30 -27.27 13.47 51.45 111.46 10 3 0 1281.3 -24.11 5.73
 110.00 20 18 3 4842.97 33.08 205.26 57.66 80.84 21 38 46 4243.0 31.46 196.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5394 TRA-1.2486 TC3 -.0746 BAU .0867 SGT 960.2 SGR 459.2 SG3 52.5 ST 458.5 SR 403.4 SS 426.9
 RDE -.5721 RRA -.2927 RC3 .0602 FAU .01705 RRT .0396 RRF -.0387 RTF -.7112 CRT -.7229 CRS -.8379 CST .9816
 FDE -.3903 FRA .5819 FC3 -.2184 BSP 2664 SGB 1064.4 R23 -.0022 R13 -.7113 LSA 708.8 MSA 229.4 SSA 14.9
 BDE .7863 BRA 1.2825 BC3 .0959 FSP -118 SG1 960.4 SG2 458.7 THA 1.41 EL1 567.7 EL2 225.1 ALF 140.03

LAUNCH DATE MAY 30 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 177.959

RL 151.64 LAL .00 LOL 247.92 VL 22.291 GAL 7.02 AZL 93.17 HCA 69.12 SMA 105.88 ECC .44607 INC 3.1666 V1 29.380
 RP 108.94 LAP -2.96 LOP 317.01 VP 34.395 GAP -26.44 AZP 91.13 TAL 171.11 TAP 240.23 RCA 58.65 APO 153.11 V2 34.785
 RC 46.068 GL -9.03 GP 1.04 ZAL 71.70 ZAP 14.66 ETS 184.86 ZAE 164.54 ETE 132.89 ZAC 112.67 ETC 16.76 CLP 14.62

PLANETOCENTRIC CONIC

C3 60.595 VHL 7.784 DLA -6.88 RAL 173.15 RAD 6569.1 VEL 13.489 PTH 2.47 VHP 15.807 DPA 14.93 RAP 155.24 ECC 1.9972
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 0 2275.01 -20.99 45.35 51.48 109.46 7 55 55 1675.0 -18.14 37.83
 90.00 17 32 50 5348.62 27.67 243.85 56.95 83.75 19 1 59 4748.6 26.52 235.37
 100.00 8 36 4 2023.19 -22.36 26.30 50.94 110.38 9 9 47 1423.2 -19.38 18.76
 100.00 18 57 28 5075.66 29.12 223.58 56.76 82.94 20 22 4 4475.7 27.84 215.01
 110.00 9 36 48 1833.03 -26.03 10.27 49.34 112.99 10 7 21 1233.0 -22.68 2.70
 110.00 20 13 13 4838.59 33.03 204.92 56.10 80.64 21 33 52 4238.6 31.38 196.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5410 TRA-1.2330 TC3 -.0650 BAU .0764 SGT 1002.2 SGR 460.4 SG3 57.4 ST 483.5 SR 402.9 SS 451.5
 RDE -.5409 RRA -.2769 RC3 .0683 FAU .01766 RRT .0398 RRF -.0397 RTF -.7285 CRT -.7272 CRS -.8428 CST .9812
 FDE -.4110 FRA .5966 FC3 -.2523 BSP 2834 SGB 1102.9 R23 -.0029 R13 -.7286 LSA 739.2 MSA 230.8 SSA 15.1
 BDE .7650 BRA 1.2637 BC3 .0943 FSP -132 SG1 1002.4 SG2 459.9 THA 1.33 EL1 586.6 EL2 227.9 ALF 142.08

LAUNCH DATE MAY 30 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 184.460

RL 151.64 LAL .00 LOL 247.92 VL 22.689 GAL 6.65 AZL 93.20 HCA 72.28 SMA 107.41 ECC .42508 INC 3.1976 V1 29.380
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.656 GAP -25.14 AZP 90.97 TAL 170.85 TAP 243.13 RCA 61.75 APO 153.07 V2 34.787
 RC 45.125 GL -9.82 GP 1.09 ZAL 71.47 ZAP 13.14 ETS 185.46 ZAE 165.73 ETE 124.48 ZAC 111.09 ETC 16.48 CLP 13.09

PLANETOCENTRIC CONIC

C3 54.377 VHL 7.374 DLA -7.71 RAL 173.09 RAD 6569.0 VEL 13.257 PTH 2.42 VHP 15.082 DPA 14.41 RAP 156.84 ECC 1.8949
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 11 2222.09 -19.75 41.96 49.41 110.71 8 1 13 1622.1 -16.76 34.56
 90.00 17 26 11 5348.46 27.67 243.84 55.27 83.75 18 55 20 4748.5 26.52 235.36
 100.00 8 41 49 1971.64 -21.10 22.98 48.86 111.68 9 14 40 1371.6 -17.97 15.59
 100.00 18 51 14 5074.15 29.11 223.47 55.08 82.88 20 15 48 4474.1 27.82 214.91
 110.00 9 41 35 1784.46 -24.70 7.12 47.19 114.42 10 11 20 1184.5 -21.19 359.73
 110.00 20 7 57 4834.09 32.98 204.58 54.42 80.45 21 28 31 4234.1 31.31 195.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5430 TRA-1.2166 TC3 -.0521 BAU .0677 SGT 1045.9 SGR 460.8 SG3 62.8 ST 509.8 SR 401.4 SS 477.5
 RDE -.5105 RRA -.2615 RC3 .0772 FAU .01832 RRT .0404 RRF -.0409 RTF -.7451 CRT -.7318 CRS -.8477 CST .9808
 FDE -.4334 FRA .6115 FC3 -.2916 BSP 2999 SGB 1142.9 R23 -.0036 R13 -.7451 LSA 771.5 MSA 231.5 SSA 15.3
 BDE .7453 BRA 1.2444 BC3 .0932 FSP -147 SG1 1046.1 SG2 460.3 THA 1.27 EL1 606.8 EL2 229.8 ALF 144.13

LAUNCH DATE MAY 30 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 191.002

RL 151.64 LAL .00 LOL 247.92 VL 23.058 GAL 6.27 AZL 93.23 HCA 75.44 SMA 108.90 ECC .40514 INC 3.2275 V1 29.380
 RP 108.93 LAP -3.12 LOP 323.34 VP 34.902 GAP -23.90 AZP 90.81 TAL 170.63 TAP 246.07 RCA 64.78 APO 153.02 V2 34.790
 RC 44.335 GL -10.64 GP 1.15 ZAL 71.33 ZAP 11.62 ETS 186.26 ZAE 166.65 ETE 114.37 ZAC 109.51 ETC 16.21 CLP 11.56

PLANETOCENTRIC CONIC

C3 48.857 VHL 6.990 DLA -8.53 RAL 172.92 RAD 6568.8 VEL 13.047 PTH 2.38 VHP 14.384 DPA 13.87 RAP 158.43 ECC 1.8041
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 0 2168.91 -18.43 38.61 47.30 111.88 8 6 9 1568.9 -15.30 31.33
 90.00 17 19 3 5348.45 27.67 243.83 53.48 83.75 18 48 11 4748.4 26.52 235.36
 100.00 8 47 12 1919.86 -19.76 19.72 46.73 112.90 9 19 12 1319.9 -16.49 12.45
 100.00 18 44 32 5072.74 29.10 223.37 53.29 82.83 20 9 5 4472.7 27.80 214.80
 110.00 9 46 1 1735.73 -23.29 4.03 45.01 115.76 10 14 56 1135.7 -19.63 356.80
 110.00 20 2 13 4829.63 32.93 204.24 52.62 80.25 21 22 43 4229.6 31.23 195.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5454 TRA-1.1988 TC3 -.0354 BAU .0613 SGT 1090.7 SGR 460.4 SG3 68.7 ST 537.4 SR 399.0 SS 505.1
 RDE -.4810 RRA -.2464 RC3 .0869 FAU .01905 RRT .0411 RRF -.0422 RTF -.7607 CRT -.7370 CRS -.8529 CST .9804
 FDE -.4576 FRA .6262 FC3 -.3376 BSP 3170 SGB 1183.9 R23 -.0042 R13 -.7608 LSA 805.8 MSA 231.4 SSA 15.5
 BDE .7272 BRA 1.2238 BC3 .0939 FSP -163 SG1 1090.9 SG2 459.9 THA 1.21 EL1 628.3 EL2 230.7 ALF 146.14

LAUNCH DATE MAY 30 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 197.580

RL 151.64 LAL .00 LOL 247.92 VL 23.401 GAL 5.90 AZL 93.26 HCA 78.60 SMA 110.35 ECC .38624 INC 3.2565 V1 29.380
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.132 GAP -22.71 AZP 90.64 TAL 170.46 TAP 249.06 RCA 67.73 APO 152.97 V2 34.793
 RC 43.707 GL -11.50 GP 1.21 ZAL 71.30 ZAP 10.09 ETS 187.37 ZAE 167.16 ETE 102.75 ZAC 107.93 ETC 15.96 CLP 10.02

PLANETOCENTRIC CONIC

C3 43.960 VHL 6.630 DLA -9.36 RAL 172.65 RAD 6568.7 VEL 12.858 PTH 2.34 VHP 13.712 DPA 13.34 RAP 160.00 ECC 1.7235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 30 2115.61 -17.05 35.31 45.16 112.96 8 10 45 1515.6 -13.80 28.15
 90.00 17 11 24 5348.77 27.68 243.86 51.59 83.76 18 40 33 4748.8 26.52 235.38
 100.00 8 52 15 1867.99 -18.35 16.51 44.57 114.02 9 23 23 1268.0 -14.95 9.37
 100.00 18 37 20 5071.62 29.09 223.28 51.40 82.79 20 1 52 4471.6 27.78 214.72
 110.00 9 50 3 1686.99 -21.81 1.02 42.81 116.99 10 18 10 1087.0 -18.02 353.94
 110.00 19 56 1 4825.39 32.88 203.92 50.73 80.07 21 16 27 4225.4 31.16 195.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5489 TRA-1.1791 TC3 -.0139 BAU .0579 SGT 1136.6 SGR 459.1 SG3 75.3 ST 566.5 SR 395.7 SS 534.6
 RDE -.4524 RRA -.2317 RC3 .0976 FAU .01988 RRT .0417 RRF -.0436 RTF -.7758 CRT -.7431 CRS -.8584 CST .9802
 FDE -.4841 FRA .6406 FC3 -.3915 BSP .3350 SGB 1225.8 R23 -.0050 R13 -.7758 LSA 842.6 MSA 230.4 SSA 15.7
 BDE .7113 BRA 1.2017 BC3 .0986 FSP -182 SGI 1136.8 SG2 458.6 THA 1.15 EL1 651.6 EL2 230.2 ALF 148.13

LAUNCH DATE MAY 30 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 204.189

RL 151.64 LAL .00 LOL 247.92 VL 23.720 GAL 5.55 AZL 93.28 HCA 81.77 SMA 111.74 ECC .36836 INC 3.2849 V1 29.380
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.349 GAP -21.57 AZP 90.47 TAL 170.34 TAP 252.10 RCA 70.58 APO 152.90 V2 34.797
 RC 43.245 GL -12.41 GP 1.27 ZAL 71.37 ZAP 8.57 ETS 188.96 ZAE 167.16 ETE 90.36 ZAC 106.35 ETC 15.72 CLP 8.47

PLANETOCENTRIC CONIC

C3 39.618 VHL 6.294 DLA -10.19 RAL 172.28 RAD 6568.5 VEL 12.688 PTH 2.30 VHP 13.065 DPA 12.81 RAP 161.57 ECC 1.6520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 39 2062.33 -15.61 32.07 42.99 113.93 8 15 2 1462.3 -12.24 25.00
 90.00 17 3 14 5349.60 27.68 243.92 49.60 83.79 18 32 24 4749.6 26.53 235.44
 100.00 8 56 57 1816.19 -16.89 13.36 42.38 115.04 9 27 13 1216.2 -13.38 6.33
 100.00 18 29 38 5070.97 29.08 223.24 49.41 82.76 19 54 9 4471.0 27.78 214.68
 110.00 9 53 44 1638.39 -20.28 358.08 40.59 118.12 10 21 2 1038.4 -16.36 351.15
 110.00 19 49 20 4821.54 32.83 203.63 48.75 79.90 21 9 42 4221.5 31.09 194.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5530 TRA-1.1581 TC3 .0125 BAU .0582 SGT 1183.6 SGR 457.0 SG3 82.5 ST 597.2 SR 391.4 SS 566.1
 RDE -.4248 RRA -.2175 RC3 .1091 FAU .02079 RRT .0424 RRF -.0452 RTF -.7900 CRT -.7498 CRS -.8640 CST .9801
 FDE -.5132 FRA .6550 FC3 -.4543 BSP 3524 SGB 1268.8 R23 -.0059 R13 -.7900 LSA 881.9 MSA 228.6 SSA 15.9
 BDE .6974 BRA 1.1783 BC3 .1098 FSP -202 SGI 1183.8 SG2 456.5 THA 1.10 EL1 676.5 EL2 228.6 ALF 150.07

LAUNCH DATE MAY 30 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 210.825

RL 151.64 LAL .00 LOL 247.92 VL 24.015 GAL 5.20 AZL 93.31 HCA 84.93 SMA 113.08 ECC .35149 INC 3.3129 V1 29.380
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.552 GAP -20.47 AZP 90.29 TAL 170.26 TAP 255.20 RCA 73.33 APO 152.83 V2 34.801
 RC 42.956 GL -13.36 GP 1.34 ZAL 71.55 ZAP 7.04 ETS 191.35 ZAE 166.62 ETE 78.27 ZAC 104.79 ETC 15.49 CLP 6.91

PLANETOCENTRIC CONIC

C3 35.773 VHL 5.981 DLA -11.02 RAL 171.79 RAD 6568.4 VEL 12.536 PTH 2.27 VHP 12.441 DPA 12.28 RAP 163.12 ECC 1.5887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 29 2009.21 -14.11 28.88 40.79 114.81 8 18 58 1409.2 -10.65 21.91
 90.00 16 54 23 5351.12 27.69 244.03 47.54 83.84 18 23 44 4751.1 26.55 235.55
 100.00 9 1 18 1764.60 -15.38 10.28 40.17 115.95 9 30 43 1164.6 -11.76 3.35
 100.00 18 21 25 5070.96 29.08 223.24 47.35 82.76 19 45 56 4471.0 27.78 214.68
 110.00 9 57 2 1590.09 -18.71 355.22 38.35 119.15 10 23 32 990.1 -14.68 348.42
 110.00 19 42 10 4818.24 32.79 203.38 46.69 79.76 21 2 29 4218.2 31.03 194.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5581 TRA-1.1357 TC3 .0448 BAU .0619 SGT 1231.7 SGR 454.1 SG3 90.5 ST 629.6 SR 386.1 SS 599.9
 RDE -.3982 RRA -.2038 RC3 .1215 FAU .02181 RRT .0434 RRF -.0472 RTF -.8035 CRT -.7572 CRS -.8698 CST .9801
 FDE -.5452 FRA .6693 FC3 -.5278 BSP 3709 SGB 1312.7 R23 -.0068 R13 -.8035 LSA 924.1 MSA 226.1 SSA 16.1
 BDE .6855 BRA 1.1538 BC3 .1295 FSP -225 SGI 1231.9 SG2 453.6 THA 1.06 EL1 703.2 EL2 225.8 ALF 151.95

LAUNCH DATE MAY 30 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 217.484

RL 151.64 LAL .00 LOL 247.92 VL 24.289 GAL 4.86 AZL 93.34 HCA 88.10 SMA 114.37 ECC .33560 INC 3.3406 V1 29.380
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.743 GAP -19.42 AZP 90.11 TAL 170.24 TAP 258.34 RCA 75.99 APO 152.75 V2 34.806
 RC 42.841 GL -14.35 GP 1.42 ZAL 71.83 ZAP 5.51 ETS 195.23 ZAE 165.58 ETE 67.42 ZAC 103.24 ETC 15.27 CLP 5.33

PLANETOCENTRIC CONIC

C3 32.372 VHL 5.690 DLA -11.84 RAL 171.20 RAD 6568.3 VEL 12.399 PTH 2.24 VHP 11.840 DPA 11.76 RAP 164.65 ECC 1.5328
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 59 1956.41 -12.58 25.76 38.57 115.58 8 22 35 1356.4 -9.04 18.87
 90.00 16 45 19 5353.50 27.71 244.20 45.41 83.93 18 14 32 4753.5 26.58 235.72
 100.00 9 5 18 1713.39 -13.83 7.26 37.94 116.77 9 33 52 1113.4 -10.13 .43
 100.00 18 12 40 5071.75 29.09 223.29 45.22 82.79 19 37 12 4471.8 27.79 214.73
 110.00 9 59 57 1542.26 -17.10 352.44 36.11 120.06 10 25 39 942.3 -12.97 345.76
 110.00 19 34 31 4815.65 32.76 203.19 44.56 79.65 20 54 47 4215.6 30.99 194.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5637 TRA-1.1117 TC3 .0834 BAU .0686 SGT 1280.5 SGR 450.2 SG3 99.4 ST 663.3 SR 379.7 SS 636.1
 RDE -.3725 RRA -.1906 RC3 .1348 FAU .02295 RRT .0450 RRF -.0497 RTF -.8162 CRT -.7652 CRS -.8757 CST .9802
 FDE -.5805 FRA .6835 FC3 -.6136 BSP 3893 SGB 1357.3 R23 -.0078 R13 -.8162 LSA 968.9 MSA 222.9 SSA 16.3
 BDE .6756 BRA 1.1279 BC3 .1585 FSP -250 SGI 1280.6 SG2 449.7 THA 1.03 EL1 731.4 EL2 221.7 ALF 153.75

LAUNCH DATE MAY 30 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 224.162

RL 151.64 LAL .00 LOL 247.92 VL 24.542 GAL 4.53 AZL 93.37 HCA 91.26 SMA 115.60 ECC .32066 INC 3.3682 V1 29.380
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.921 GAP -18.41 AZP 89.93 TAL 170.27 TAP 261.53 RCA 78.53 APO 152.67 V2 34.812
 RC 42.900 GL -15.38 GP 1.51 ZAL 72.20 ZAP 4.02 ETS 202.31 ZAE 164.16 ETE 58.25 ZAC 101.71 ETC 15.07 CLP 3.72

PLANETOCENTRIC CONIC

C3 29.366 VHL 5.419 DLA -12.67 RAL 170.49 RAD 6568.2 VEL 12.278 PTH 2.21 VHP 11.261 DPA 11.24 RAP 166.15 ECC 1.4833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 9 1904.08 -11.03 22.70 36.34 116.25 8 25 53 1304.1 -7.41 15.89
 90.00 16 35 32 5356.89 27.73 244.44 43.22 84.05 18 4 49 4756.9 26.62 235.96
 100.00 9 8 58 1662.71 -12.26 4.32 35.71 117.48 9 36 41 1062.7 -8.48 357.57
 100.00 18 3 25 5073.49 29.10 223.42 43.04 82.86 19 27 58 4473.5 27.81 214.86
 110.00 10 2 30 1495.07 -15.47 349.76 33.86 120.87 10 27 25 895.1 -11.26 343.18
 110.00 19 26 22 4813.89 32.74 203.05 42.38 79.57 20 46 36 4213.9 30.96 194.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5701 TRA-1.0867 TC3 .1283 BAU .0772 SGT 1330.2 SGR 445.6 SG3 109.3 ST 698.7 SR 372.3 SS 675.1
 RDE -.3478 RRA -.1780 RC3 .1490 FAU .02421 RRT .0471 RRF -.0528 RTF -.8280 CRT -.7735 CRS -.8816 CST .9803
 FDE -.6198 FRA .6978 FC3 -.7138 BSP 4070 SGB 1402.8 R23 -.0089 R13 -.8281 LSA 1017.0 MSA 219.1 SSA 16.5
 BDE .6678 BRA 1.1011 BC3 .1966 FSP -279 SG1 1330.4 SG2 445.0 THA 1.02 EL1 761.5 EL2 216.5 ALF 155.49

LAUNCH DATE MAY 30 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 230.854

RL 151.64 LAL .00 LOL 247.92 VL 24.777 GAL 4.21 AZL 93.40 HCA 94.43 SMA 116.78 ECC .30666 INC 3.3959 V1 29.380
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.088 GAP -17.44 AZP 89.74 TAL 170.35 TAP 264.78 RCA 80.97 APO 152.59 V2 34.819
 RC 43.133 GL -16.45 GP 1.61 ZAL 72.68 ZAP 2.64 ETS 217.75 ZAE 162.49 ETE 50.78 ZAC 100.20 ETC 14.88 CLP 2.09

PLANETOCENTRIC CONIC

C3 26.714 VHL 5.169 DLA -13.48 RAL 169.69 RAD 6568.1 VEL 12.169 PTH 2.18 VHP 10.704 DPA 10.74 RAP 167.64 ECC 1.4397
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 1 1852.38 -9.45 19.72 34.11 116.82 8 28 53 1252.4 -5.78 12.96
 90.00 16 25 14 5361.40 27.77 244.77 40.98 84.21 17 54 35 4761.4 26.67 236.28
 100.00 9 12 18 1612.73 -10.67 1.46 33.47 118.09 9 39 10 1012.7 -6.83 354.77
 100.00 17 53 38 5076.29 29.13 223.63 40.80 82.96 19 18 15 4476.3 27.85 215.06
 110.00 10 4 40 1448.69 -13.83 347.16 31.62 121.58 10 28 49 848.7 -9.55 340.67
 110.00 19 17 45 4813.09 32.73 202.99 40.16 79.54 20 37 58 4213.1 30.94 194.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5778 TRA-1.0595 TC3 .1811 BAU .0872 SGT 1379.9 SGR 440.0 SG3 120.3 ST 735.9 SR 363.8 SS 717.2
 RDE -.3241 RRA -.1660 RC3 .1639 FAU .02564 RRT .0496 RRF -.0565 RTF -.8394 CRT -.7827 CRS -.8877 CST .9807
 FDE -.6638 FRA .7118 FC3 -.8308 BSP 4260 SGB 1448.4 R23 -.0102 R13 -.8394 LSA 1068.6 MSA 214.5 SSA 16.7
 BDE .6625 BRA 1.0724 BC3 .2443 FSP -311 SG1 1380.1 SG2 439.4 THA 1.01 EL1 793.6 EL2 210.0 ALF 157.16

LAUNCH DATE MAY 30 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 237.558

RL 151.64 LAL .00 LOL 247.92 VL 24.994 GAL 3.91 AZL 93.42 HCA 97.60 SMA 117.90 ECC .29356 INC 3.4238 V1 29.380
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.245 GAP -16.51 AZP 89.55 TAL 170.48 TAP 268.08 RCA 83.29 APO 152.51 V2 34.826
 RC 43.534 GL -17.55 GP 1.72 ZAL 73.26 ZAP 1.78 ETS 256.07 ZAE 160.67 ETE 44.76 ZAC 98.72 ETC 14.70 CLP .43

PLANETOCENTRIC CONIC

C3 24.379 VHL 4.938 DLA -14.30 RAL 168.78 RAD 6568.0 VEL 12.073 PTH 2.16 VHP 10.168 DPA 10.25 RAP 169.09 ECC 1.4012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 34 1801.45 -7.88 16.81 31.88 117.29 8 31 36 1201.5 -4.16 10.10
 90.00 16 14 24 5367.16 27.81 245.19 38.70 84.41 17 43 31 4767.2 26.74 236.68
 100.00 9 15 17 1563.59 -9.08 358.68 31.23 118.60 9 41 21 963.6 -5.19 352.05
 100.00 17 43 22 5080.25 29.16 223.92 38.54 83.11 19 8 2 4480.3 27.90 215.34
 110.00 10 6 28 1403.28 -12.20 344.65 29.37 122.18 10 29 52 803.3 -7.86 338.24
 110.00 19 8 41 4813.33 32.73 203.01 37.90 79.55 20 28 54 4213.3 30.95 194.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5859 TRA-1.0313 TC3 .2406 BAU .0978 SGT 1429.6 SGR 433.6 SG3 132.5 ST 774.3 SR 354.2 SS 762.4
 RDE -.3014 RRA -.1546 RC3 .1795 FAU .02723 RRT .0533 RRF -.0615 RTF -.8497 CRT -.7919 CRS -.8937 CST .9810
 FDE -.7129 FRA .7258 FC3 -.9669 BSP 4444 SGB 1493.9 R23 -.0116 R13 -.8498 LSA 1123.4 MSA 209.6 SSA 16.8
 BDE .6588 BRA 1.0428 BC3 .3002 FSP -347 SG1 1429.8 SG2 432.9 THA 1.02 EL1 827.0 EL2 202.5 ALF 158.75

LAUNCH DATE MAY 30 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 244.270

RL 151.64 LAL .00 LOL 247.92 VL 25.194 GAL 3.62 AZL 93.45 HCA 100.76 SMA 118.96 ECC .28133 INC 3.4522 V1 29.380
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.390 GAP -15.60 AZP 89.35 TAL 170.66 TAP 271.42 RCA 85.50 APO 152.43 V2 34.834
 RC 44.099 GL -18.69 GP 1.85 ZAL 73.93 ZAP 2.24 ETS 304.49 ZAE 158.81 ETE 39.94 ZAC 97.26 ETC 14.53 CLP -1.27

PLANETOCENTRIC CONIC

C3 22.326 VHL 4.725 DLA -15.10 RAL 167.77 RAD 6567.9 VEL 11.988 PTH 2.14 VHP 9.652 DPA 9.79 RAP 170.51 ECC 1.3674
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 50 1751.44 -6.31 13.97 29.65 117.66 8 34 1 1151.4 -2.55 7.30
 90.00 16 3 5 5374.23 27.85 245.70 36.41 84.67 17 32 39 4774.2 26.82 237.19
 100.00 9 17 58 1515.46 -7.50 355.98 29.01 119.02 9 43 14 915.5 -3.57 349.39
 100.00 17 32 38 5085.45 29.20 224.30 36.25 83.31 18 57 23 4485.5 27.97 215.71
 110.00 10 7 55 1359.00 -10.58 342.24 27.14 122.70 10 30 34 759.0 -6.20 335.90
 110.00 18 59 10 4814.68 32.75 203.11 35.62 79.61 20 19 25 4214.7 30.97 194.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5954 TRA-1.0013 TC3 .3081 BAU .1089 SGT 1479.1 SGR 426.4 SG3 146.1 ST 814.7 SR 343.4 SS 811.0
 RDE -.2796 RRA -.1439 RC3 .1957 FAU .02900 RRT .0578 RRF -.0678 RTF -.8598 CRT -.8017 CRS -.8995 CST .9817
 FDE -.7679 FRA .7401 FC3-1.1245 BSP 4622 SGB 1539.3 R23 -.0137 R13 -.8598 LSA 1182.1 MSA 204.1 SSA 16.9
 BDE .6578 BRA 1.0116 BC3 .3650 FSP -387 SG1 1479.3 SG2 425.6 THA 1.04 EL1 862.6 EL2 193.9 ALF 160.30

LAUNCH DATE MAY 30 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 250.986

RL 151.64 LAL .00 LOL 247.92 VL 25.379 GAL 3.34 AZL 93.48 HCA 103.94 SMA 119.97 ECC .26995 INC 3.4811 V1 29.380
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.527 GAP -14.74 AZP 89.16 TAL 170.88 TAP 274.81 RCA 87.58 APO 152.35 V2 34.842
 RC 44.820 GL -19.85 GP 1.99 ZAL 74.68 ZAP 3.61 ETS 326.51 ZAE 156.96 ETE 36.05 ZAC 95.85 ETC 14.37 CLP -3.02

PLANETOCENTRIC CONIC

C3 20.525 VHL 4.530 DLA -15.90 RAL 166.66 RAD 6567.8 VEL 11.912 PTH 2.12 VHP 9.155 DPA 9.35 RAP 171.89 ECC 1.3378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 49 1702.49 -4.75 11.22 27.44 117.95 8 36 12 1102.5 -1.97 4.57
 90.00 15 51 17 5382.68 27.90 246.31 34.10 84.97 17 21 0 4782.7 26.91 237.79
 100.00 9 20 21 1468.47 -5.94 353.36 26.79 119.35 9 44 49 868.5 -1.99 346.81
 100.00 17 21 27 5091.94 29.25 224.77 33.95 83.55 18 46 19 4491.9 28.05 216.18
 110.00 10 9 1 1315.99 -8.99 339.93 24.92 123.12 10 30 57 716.0 -4.57 333.63
 110.00 18 49 16 4817.18 32.78 203.30 33.34 79.71 20 9 33 4217.2 31.01 194.53

DIFFERENTIAL CORRECTIONS

TDE .6049 TRA -.9713 TC3 .3829 BAU .1202
 RDE -.2586 RRA -.1339 RC3 .2124 FAU .03100
 FDE -.8301 FRA .7544 FC3-1.3075 BSP 4791
 BDE .6578 BRA .9805 BC3 .4379 FSP -432

MID-COURSE EXECUTION ACCURACY

SGT 1528.7 SGR 418.3 SG3 161.4
 RRT .0650 RRF -.0760 RTF -.8688
 SGB 1584.9 R23 -.0151 R13 -.8689
 SGI 1528.9 SG2 417.4 THA 1.10

ORBIT DETERMINATION ACCURACY

ST 855.6 SR 331.3 SS 863.6
 CRT -.8108 CRS -.9051 CST .9822
 LSA 1244.1 MSA 198.8 SSA 17.0
 EL1 898.8 EL2 184.6 ALF 161.77

LAUNCH DATE MAY 30 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 257.704

RL 151.64 LAL .00 LOL 247.92 VL 25.549 GAL 3.08 AZL 93.51 HCA 107.11 SMA 120.92 ECC .25938 INC 3.5109 V1 29.380
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.653 GAP -13.90 AZP 88.97 TAL 171.14 TAP 278.25 RCA 89.55 APO 152.28 V2 34.851
 RC 45.690 GL -21.03 GP 2.15 ZAL 75.51 ZAP 5.27 ETS 335.81 ZAE 155.19 ETE 32.90 ZAC 94.48 ETC 14.23 CLP -4.82

PLANETOCENTRIC CONIC

C3 18.950 VHL 4.353 DLA -16.68 RAL 165.47 RAD 6567.8 VEL 11.846 PTH 2.10 VHP 8.678 DPA 8.95 RAP 173.23 ECC 1.3119
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 33 1654.72 -3.22 8.54 25.25 118.15 8 38 8 1054.7 .57 1.91
 90.00 15 39 4 5392.54 27.96 247.03 31.79 85.32 17 8 57 4792.5 27.02 238.49
 100.00 9 22 27 1422.75 -4.41 350.83 24.59 119.60 9 46 9 822.8 -.44 344.30
 100.00 17 9 52 5099.73 29.31 225.34 31.65 83.85 18 34 52 4499.7 28.15 216.73
 110.00 10 9 48 1274.39 -7.44 337.71 22.73 123.46 10 31 3 674.4 -2.98 331.45
 110.00 18 39 0 4820.86 32.82 203.58 31.06 79.87 19 59 21 4220.9 31.08 194.79

DIFFERENTIAL CORRECTIONS

TDE .6153 TRA -.9394 TC3 .4642 BAU .1312
 RDE -.2384 RRA -.1246 RC3 .2296 FAU .03325
 FDE -.9004 FRA .7684 FC3-1.5193 BSP 4960
 BDE .6599 BRA .9476 BC3 .5179 FSP -483

MID-COURSE EXECUTION ACCURACY

SGT 1576.4 SGR 409.5 SG3 178.5
 RRT .0738 RRF -.0866 RTF -.8772
 SGB 1628.7 R23 -.0173 R13 -.8773
 SGI 1576.7 SG2 408.3 THA 1.18

ORBIT DETERMINATION ACCURACY

ST 897.8 SR 318.0 SS 920.2
 CRT -.8202 CRS -.9105 CST .9828
 LSA 1310.1 MSA 193.2 SSA 17.0
 EL1 936.3 EL2 174.4 ALF 163.20

LAUNCH DATE MAY 30 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 264.420

RL 151.64 LAL .00 LOL 247.92 VL 25.706 GAL 2.82 AZL 93.54 HCA 110.28 SMA 121.81 ECC .24959 INC 3.5418 V1 29.380
 RP 108.71 LAP -3.32 LOP 358.23 VP 36.772 GAP -13.09 AZP 88.77 TAL 171.44 TAP 281.72 RCA 91.40 APO 152.21 V2 34.860
 RC 46.700 GL -22.23 GP 2.32 ZAL 76.41 ZAP 7.06 ETS 340.58 ZAE 153.55 ETE 30.33 ZAC 93.16 ETC 14.09 CLP -6.67

PLANETOCENTRIC CONIC

C3 17.575 VHL 4.192 DLA -17.45 RAL 164.21 RAD 6567.7 VEL 11.788 PTH 2.08 VHP 8.219 DPA 8.58 RAP 174.52 ECC 1.2892
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 4 1608.20 -1.72 5.94 23.09 118.27 8 39 52 1008.2 2.07 359.31
 90.00 15 26 28 5403.81 28.02 247.85 29.50 85.73 16 56 32 4803.8 27.13 239.29
 100.00 9 24 17 1378.42 -2.91 348.39 22.43 119.76 9 47 16 778.4 1.07 341.87
 100.00 16 57 56 5108.85 29.37 226.01 29.37 84.20 18 23 5 4508.8 28.26 217.39
 110.00 10 10 17 1234.31 -5.93 335.59 20.56 123.73 10 30 51 634.3 -1.45 329.36
 110.00 18 28 26 4825.72 32.88 203.95 28.80 80.08 19 48 52 4225.7 31.16 195.15

DIFFERENTIAL CORRECTIONS

TDE .6262 TRA -.9063 TC3 .5505 BAU .1418
 RDE -.2189 RRA -.1159 RC3 .2471 FAU .03578
 FDE -.9800 FRA .7827 FC3-1.7624 BSP 5123
 BDE .6634 BRA .9137 BC3 .6034 FSP -540

MID-COURSE EXECUTION ACCURACY

SGT 1622.1 SGR 400.0 SG3 197.7
 RRT .0852 RRF -.1002 RTF -.8849
 SGB 1670.7 R23 -.0201 R13 -.8850
 SGI 1622.5 SG2 398.4 THA 1.28

ORBIT DETERMINATION ACCURACY

ST 940.4 SR 303.3 SS 981.2
 CRT -.8292 CRS -.9153 CST .9835
 LSA 1379.7 MSA 187.7 SSA 17.0
 EL1 974.5 EL2 163.6 ALF 164.58

LAUNCH DATE MAY 30 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 271.134

RL 151.64 LAL .00 LOL 247.92 VL 25.849 GAL 2.59 AZL 93.57 HCA 113.46 SMA 122.64 ECC .24055 INC 3.5739 V1 29.380
 RP 108.68 LAP -3.28 LOP 36.881 GAP -12.31 AZP 88.58 TAL 171.77 TAP 285.23 RCA 93.14 APO 152.14 V2 34.870
 RC 47.841 GL -23.44 GP 2.53 ZAL 77.37 ZAP 8.96 ETS 343.37 ZAE 152.05 ETE 28.26 ZAC 91.90 ETC 13.95 CLP -8.60

PLANETOCENTRIC CONIC

C3 16.380 VHL 4.047 DLA -18.19 RAL 162.88 RAD 6567.7 VEL 11.737 PTH 2.07 VHP 7.778 DPA 8.26 RAP 175.76 ECC 1.2696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 24 1563.08 -.27 3.42 20.97 118.32 8 41 27 963.1 3.52 356.79
 90.00 15 13 32 5416.52 28.08 248.77 27.24 86.19 16 43 49 4816.5 27.26 240.20
 100.00 9 25 54 1335.55 -1.46 346.03 20.30 119.86 9 48 10 735.6 2.52 339.51
 100.00 16 45 43 5119.28 29.44 226.78 27.11 84.60 18 11 2 4519.3 28.38 218.14
 110.00 10 10 30 1195.85 -4.47 333.57 18.43 123.93 10 30 26 595.8 .02 327.35
 110.00 18 17 37 4831.75 32.95 204.40 26.57 80.35 19 38 9 4231.7 31.27 195.58

DIFFERENTIAL CORRECTIONS

TDE .6378 TRA -.8725 TC3 .6425 BAU .1522
 RDE -.1999 RRA -.1080 RC3 .2649 FAU .03864
 FDE -1.0709 FRA .7972 FC3-2.0421 BSP 5286
 BDE .6683 BRA .8791 BC3 .6949 FSP -606

MID-COURSE EXECUTION ACCURACY

SGT 1666.1 SGR 389.8 SG3 219.3
 RRT .1006 RRF -.1179 RTF -.8922
 SGB 1711.1 R23 -.0232 R13 -.8923
 SGI 1666.6 SG2 387.7 THA 1.43

ORBIT DETERMINATION ACCURACY

ST 983.6 SR 287.1 SS 1047.1
 CRT -.8375 CRS -.9197 CST .9843
 LSA 1453.6 MSA 182.3 SSA 16.9
 EL1 1013.3 EL2 152.3 ALF 165.94

LAUNCH DATE MAY 30 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 277.841

RL 151.64 LAL .00 LOL 247.92 VL 25.981 GAL 2.36 AZL 93.61 HCA 116.64 SMA 123.42 ECC .23222 INC 3.6077 V1 29.380
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.984 GAP -11.56 AZP 88.38 TAL 172.13 TAP 288.77 RCA 94.76 APO 152.08 V2 34.881
 RC 49.103 GL -24.64 GP 2.76 ZAL 78.37 ZAP 10.95 ETS 345.14 ZAE 150.74 ETE 26.58 ZAC 90.70 ETC 13.83 CLP -10.60

PLANETOCENTRIC CONIC

C3 15.345 VHL 3.917 DLA -18.93 RAL 161.50 RAD 6567.6 VEL 11.693 PTH 2.06 VHP 7.356 DPA 8.00 RAP 176.94 ECC 1.2525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 35 1519.34 1.14 .98 18.89 118.30 8 42 54 919.3 4.92 354.34
 90.00 15 0 20 5430.66 28.14 249.80 25.02 86.70 16 30 51 4830.7 27.39 241.22
 100.00 9 27 21 1294.21 -.06 343.77 18.22 119.89 9 48 55 694.2 3.92 337.24
 100.00 16 33 15 5131.02 29.52 227.65 24.90 85.05 17 58 46 4531.0 28.52 218.99
 110.00 10 10 29 1159.06 -3.07 331.64 16.35 124.06 10 29 48 559.1 1.42 325.44
 110.00 18 6 37 4838.93 33.03 204.95 24.39 80.66 19 27 16 4238.9 31.39 196.11

DIFFERENTIAL CORRECTIONS

TDE .6490 TRA -.8376 TC3 .7357 BAU .1617
 RDE -.1813 RRA -.1008 RC3 .2830 FAU .04185
 FDE-1.1739 FRA .8116 FC3-2.3611 BSP 5427
 BDE .6738 BRA .8436 BC3 .7883 FSP -679

MID-COURSE EXECUTION ACCURACY

SGT 1706.1 SGR 379.1 SG3 243.5
 RRT .1207 RRF -.1409 RTF -.8987
 SGB 1747.7 R23 -.0271 R13 -.8988
 SG1 1706.7 SG2 376.2 THA 1.61

ORBIT DETERMINATION ACCURACY

ST 1025.8 SR 269.3 SS 1117.7
 CRT -.8448 CRS -.9232 CST .9850
 LSA 1530.5 MSA 177.3 SSA 16.7
 EL1 1051.2 EL2 140.6 ALF 167.26

LAUNCH DATE MAY 30 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 284.541

RL 151.64 LAL .00 LOL 247.92 VL 26.101 GAL 2.15 AZL 93.64 HCA 119.81 SMA 124.14 ECC .22458 INC 3.6434 V1 29.380
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.078 GAP -10.84 AZP 88.19 TAL 172.52 TAP 292.33 RCA 96.26 APO 152.02 V2 34.891
 RC 50.476 GL -25.85 GP 3.02 ZAL 79.40 ZAP 13.04 ETS 346.31 ZAE 149.62 ETE 25.25 ZAC 89.58 ETC 13.71 CLP -12.69

PLANETOCENTRIC CONIC

C3 14.453 VHL 3.802 DLA -19.64 RAL 160.08 RAD 6567.6 VEL 11.655 PTH 2.05 VHP 6.951 DPA 7.79 RAP 178.05 ECC 1.2379
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 42 1476.99 2.51 358.62 16.88 118.21 8 44 19 877.0 6.26 351.95
 90.00 14 46 54 5446.25 28.20 250.94 22.85 87.27 16 17 40 4846.2 27.52 242.34
 100.00 9 28 41 1254.41 1.29 341.58 16.20 119.87 9 49 35 654.4 5.25 335.04
 100.00 16 20 37 5144.07 29.59 228.61 22.75 85.55 17 46 21 4544.1 28.66 219.93
 110.00 10 10 18 1123.99 -1.73 329.81 14.32 124.14 10 29 2 524.0 2.76 323.60
 110.00 17 55 29 4847.26 33.12 205.58 22.26 81.02 19 16 16 4247.3 31.53 196.72

DIFFERENTIAL CORRECTIONS

TDE .6601 TRA -.8027 TC3 .8289 BAU .1704
 RDE -.1628 RRA -.0944 RC3 .3016 FAU .04547
 FDE-1.2919 FRA .8269 FC3-2.7236 BSP 5558
 BDE .6799 BRA .8082 BC3 .8821 FSP -763

MID-COURSE EXECUTION ACCURACY

SGT 1742.6 SGR 368.2 SG3 270.9
 RRT .1471 RRF -.1706 RTF -.9045
 SGB 1781.1 R23 -.0319 R13 -.9047
 SG1 1743.5 SG2 364.0 THA 1.86

ORBIT DETERMINATION ACCURACY

ST 1067.1 SR 249.6 SS 1193.9
 CRT -.8505 CRS -.9256 CST .9858
 LSA 1611.3 MSA 172.8 SSA 16.4
 EL1 1088.3 EL2 128.7 ALF 168.59

LAUNCH DATE MAY 30 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 291.230

RL 151.64 LAL .00 LOL 247.92 VL 26.211 GAL 1.96 AZL 93.68 HCA 123.00 SMA 124.81 ECC .21759 INC 3.6815 V1 29.380
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.166 GAP -10.13 AZP 87.99 TAL 172.92 TAP 295.92 RCA 97.65 APO 151.97 V2 34.903
 RC 51.952 GL -27.04 GP 3.32 ZAL 80.45 ZAP 15.24 ETS 347.12 ZAE 148.71 ETE 24.24 ZAC 88.55 ETC 13.59 CLP -14.88

PLANETOCENTRIC CONIC

C3 13.689 VHL 3.700 DLA -20.33 RAL 158.64 RAD 6567.5 VEL 11.622 PTH 2.04 VHP 6.564 DPA 7.67 RAP 179.09 ECC 1.2253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 49 1435.99 3.83 356.33 14.95 118.08 8 45 45 836.0 7.55 349.63
 90.00 14 33 17 5463.34 28.25 252.19 20.76 87.89 16 4 20 4863.3 27.65 243.57
 100.00 9 29 57 1216.11 2.59 339.48 14.26 119.79 9 50 13 616.1 6.53 332.91
 100.00 16 7 50 5158.45 29.66 229.67 20.67 86.10 17 33 49 4558.4 28.80 220.97
 110.00 10 9 59 1090.60 -4.45 328.07 12.36 124.18 10 28 10 490.6 4.04 321.86
 110.00 17 44 17 4856.72 33.22 206.30 20.22 81.44 19 5 13 4256.7 31.68 197.41

DIFFERENTIAL CORRECTIONS

TDE .6728 TRA -.7646 TC3 .9275 BAU .1796
 RDE -.1442 RRA -.0886 RC3 .3211 FAU .04967
 FDE-1.4285 FRA .8400 FC3-3.1414 BSP 5723
 BDE .6881 BRA .7697 BC3 .9815 FSP -862

MID-COURSE EXECUTION ACCURACY

SGT 1775.1 SGR 357.4 SG3 302.0
 RRT .1815 RRF -.2090 RTF -.9108
 SGB 1810.8 R23 -.0376 R13 -.9111
 SG1 1776.4 SG2 351.2 THA 2.18

ORBIT DETERMINATION ACCURACY

ST 1108.8 SR 227.7 SS 1277.1
 CRT -.8551 CRS -.9268 CST .9867
 LSA 1698.2 MSA 167.9 SSA 16.0
 EL1 1126.0 EL2 116.3 ALF 169.93

LAUNCH DATE MAY 30 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 297.909

RL 151.64 LAL .00 LOL 247.92 VL 26.311 GAL 1.78 AZL 93.72 HCA 126.18 SMA 125.43 ECC .21121 INC 3.7225 V1 29.380
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.247 GAP -9.45 AZP 87.80 TAL 173.33 TAP 299.51 RCA 98.94 APO 151.92 V2 34.914
 RC 53.515 GL -28.22 GP 3.68 ZAL 81.49 ZAP 17.56 ETS 347.66 ZAE 148.03 ETE 23.53 ZAC 87.61 ETC 13.48 CLP -17.18

PLANETOCENTRIC CONIC

C3 13.039 VHL 3.611 DLA -21.00 RAL 157.19 RAD 6567.5 VEL 11.594 PTH 2.03 VHP 6.194 DPA 7.63 RAP 180.04 ECC 1.2146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 24 1 1396.17 5.10 354.09 13.10 117.89 8 47 17 796.2 8.79 347.36
 90.00 14 19 31 5482.04 28.28 253.55 18.75 88.58 15 50 53 4882.0 27.79 244.92
 100.00 9 31 15 1179.19 3.83 337.45 12.40 119.67 9 50 54 579.2 7.75 330.85
 100.00 15 54 58 5174.24 29.73 230.84 18.68 86.71 17 21 12 4574.2 28.96 222.12
 110.00 10 9 39 1058.83 .76 326.41 10.49 124.18 10 27 18 458.8 5.24 320.19
 110.00 17 33 3 4867.37 33.33 207.12 18.26 81.91 18 54 11 4267.4 31.85 198.20

DIFFERENTIAL CORRECTIONS

TDE .6818 TRA -.7288 TC3 1.0129 BAU .1863
 RDE -.1252 RRA -.0836 RC3 .3417 FAU .05430
 FDE-1.5827 FRA .8554 FC3-3.6052 BSP 5815
 BDE .6932 BRA .7335 BC3 1.0690 FSP -970

MID-COURSE EXECUTION ACCURACY

SGT 1799.9 SGR 347.3 SG3 336.8
 RRT .2265 RRF -.2585 RTF -.9152
 SGB 1833.1 R23 -.0448 R13 -.9156
 SG1 1801.7 SG2 337.9 THA 2.59

ORBIT DETERMINATION ACCURACY

ST 1144.1 SR 203.4 SS 1364.6
 CRT -.8551 CRS -.9252 CST .9873
 LSA 1784.8 MSA 164.5 SSA 15.6
 EL1 1157.4 EL2 104.2 ALF 171.28

LAUNCH DATE MAY 30 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 304.574

RL 151.64 LAL .00 LOL 247.92 VL 26.401 GAL 1.61 AZL 93.77 HCA 129.37 SMA 126.00 ECC .20542 INC 3.7670 V1 29.380
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.328 GAP -8.79 AZP 87.61 TAL 173.75 TAP 303.11 RCA 100.11 APO 151.88 V2 34.926
 RC 55.163 GL -29.38 GP 4.08 ZAL 82.52 ZAP 20.02 ETS 348.03 ZAE 147.58 ETE 23.12 ZAC 86.79 ETC 13.38 CLP -19.62

PLANETOCENTRIC CONIC

C3 12.492 VHL 3.534 DLA -21.66 RAL 155.75 RAD 6567.5 VEL 11.571 PTH 2.02 VHP 5.841 DPA 7.69 RAP 180.90 ECC 1.2056
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 27 1357.31 6.33 351.90 11.35 117.66 8 49 4 757.3 9.99 345.13
 90.00 14 5 35 5502.52 28.31 255.05 16.84 89.33 15 37 18 4902.5 27.92 246.41
 100.00 9 32 42 1143.50 5.03 335.48 10.64 119.50 9 51 45 543.5 8.92 328.85
 100.00 15 42 1 5191.57 29.79 232.13 16.79 87.39 17 8 33 4591.6 29.11 223.39
 110.00 10 9 22 1028.56 1.92 324.83 8.71 124.14 10 26 30 428.6 6.39 318.59
 110.00 17 21 51 4879.27 33.44 208.03 16.41 82.44 18 43 10 4279.3 32.03 199.08

DIFFERENTIAL CORRECTIONS

TDE .6899 TRA -.6918 TC3 1.0920 BAU .1922
 RDE -.1054 RRA -.0794 RC3 .3642 FAU .05958
 FDE-1.7607 FRA .8697 FC3-4.1293 BSP 5897
 BDE .6979 BRA .6964 BC3 1.1511 FSP -1094

MID-COURSE EXECUTION ACCURACY

SGT 1817.4 SGR 338.6 SG3 376.3
 RRT .2840 RRF -.3213 RTF -.9193
 SGB 1848.7 R23 -.0539 R13 -.9198
 SG1 1820.1 SG2 324.2 THA 3.13

ORBIT DETERMINATION ACCURACY

ST 1175.8 SR 176.0 SS 1459.4
 CRT -.8499 CRS -.9197 CST .9880
 LSA 1875.4 MSA 161.4 SSA 15.0
 EL1 1185.4 EL2 92.0 ALF 172.71

LAUNCH DATE MAY 30 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 311.226

RL 151.64 LAL .00 LOL 247.92 VL 26.483 GAL 1.46 AZL 93.82 HCA 132.55 SMA 126.52 ECC .20018 INC 3.8157 V1 29.380
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.392 GAP -8.16 AZP 87.42 TAL 174.16 TAP 306.72 RCA 101.19 APO 151.84 V2 34.938
 RC 56.885 GL -30.52 GP 4.56 ZAL 83.53 ZAP 22.64 ETS 348.26 ZAE 147.36 ETE 23.03 ZAC 86.08 ETC 13.28 CLP -22.19

PLANETOCENTRIC CONIC

C3 12.038 VHL 3.470 DLA -22.31 RAL 154.33 RAD 6567.5 VEL 11.551 PTH 2.02 VHP 5.506 DPA 7.88 RAP 181.66 ECC 1.1981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 14 1319.07 7.53 349.74 9.73 117.38 8 51 13 719.1 11.14 342.92
 90.00 13 51 28 5525.08 28.32 256.70 15.05 90.16 15 23 33 4925.1 28.04 248.05
 100.00 9 34 24 1108.74 6.19 333.55 9.00 119.30 9 52 53 508.7 10.05 326.89
 100.00 15 28 59 5210.64 29.84 233.54 15.02 88.13 16 55 50 4610.6 29.26 224.79
 110.00 10 9 13 999.59 3.03 323.32 7.04 124.07 10 25 53 399.6 7.48 317.06
 110.00 17 10 40 4892.56 33.55 209.05 14.68 83.03 18 32 12 4292.6 32.22 200.07

DIFFERENTIAL CORRECTIONS

TDE .6952 TRA -.6565 TC3 1.1552 BAU .1962
 RDE -.0842 RRA -.0760 RC3 .3895 FAU .06547
 FDE-1.9645 FRA .8866 FC3-4.7081 BSP 5923
 BDE .7002 BRA .6609 BC3 1.2190 FSP -1232

MID-COURSE EXECUTION ACCURACY

SGT 1825.8 SGR 332.8 SG3 420.6
 RRT .3554 RRF -.3990 RTF -.9222
 SGB 1855.9 R23 -.0658 R13 -.9230
 SG1 1829.8 SG2 310.4 THA 3.82

ORBIT DETERMINATION ACCURACY

ST 1200.8 SR 145.1 SS 1560.5
 CRT -.8329 CRS -.9055 CST .9884
 LSA 1967.9 MSA 159.4 SSA 14.3
 EL1 1206.9 EL2 79.9 ALF 174.23

LAUNCH DATE MAY 30 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 317.862

RL 151.64 LAL .00 LOL 247.92 VL 26.557 GAL 1.32 AZL 93.87 HCA 135.74 SMA 126.99 ECC .19546 INC 3.8698 V1 29.380
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.456 GAP -7.54 AZP 87.23 TAL 174.57 TAP 310.31 RCA 102.17 APO 151.81 V2 34.951
 RC 58.673 GL -31.64 GP 5.13 ZAL 84.49 ZAP 25.43 ETS 348.38 ZAE 147.38 ETE 23.28 ZAC 85.51 ETC 13.18 CLP -24.94

PLANETOCENTRIC CONIC

C3 11.670 VHL 3.416 DLA -22.96 RAL 152.94 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 5.189 DPA 8.21 RAP 182.31 ECC 1.1921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 35 1280.94 8.72 347.56 8.24 117.05 8 53 56 680.9 12.28 340.69
 90.00 13 37 5 5550.17 28.30 258.54 13.38 91.08 15 9 35 4950.2 28.15 249.88
 100.00 9 36 32 1074.54 7.33 331.65 7.49 119.06 9 54 27 474.5 11.15 324.94
 100.00 15 15 49 5231.80 29.88 235.12 13.38 88.96 16 43 1 4631.8 29.41 226.34
 110.00 10 9 21 971.65 4.09 321.85 5.49 123.97 10 25 33 371.7 8.52 315.57
 110.00 16 59 30 4907.45 33.67 210.20 13.09 83.70 18 21 17 4307.5 32.43 201.18

DIFFERENTIAL CORRECTIONS

TDE .6985 TRA -.6194 TC3 1.2055 BAU .1991
 RDE -.0610 RRA -.0733 RC3 .4187 FAU .07214
 FDE-2.1992 FRA .9012 FC3-5.3513 BSP 5949
 BDE .7012 BRA .6238 BC3 1.2761 FSP -1391

MID-COURSE EXECUTION ACCURACY

SGT 1823.2 SGR 331.9 SG3 470.6
 RRT .4405 RRF -.4913 RTF -.9249
 SGB 1853.1 R23 -.0811 R13 -.9261
 SG1 1829.2 SG2 297.0 THA 4.71

ORBIT DETERMINATION ACCURACY

ST 1219.7 SR 110.1 SS 1669.1
 CRT -.7890 CRS -.8692 CST .9890
 LSA 2064.2 MSA 157.2 SSA 13.6
 EL1 1222.8 EL2 67.5 ALF 175.91

LAUNCH DATE MAY 30 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 324.483

RL 151.64 LAL .00 LOL 247.92 VL 26.623 GAL 1.19 AZL 93.93 HCA 138.94 SMA 127.42 ECC .19124 INC 3.9304 V1 29.380
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.515 GAP -6.94 AZP 87.03 TAL 174.96 TAP 313.89 RCA 103.05 APO 151.78 V2 34.964
 RC 60.521 GL -32.74 GP 5.80 ZAL 85.39 ZAP 28.41 ETS 348.42 ZAE 147.64 ETE 23.93 ZAC 85.09 ETC 13.09 CLP -27.86

PLANETOCENTRIC CONIC

C3 11.381 VHL 3.374 DLA -23.61 RAL 151.61 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 4.890 DPA 8.71 RAP 182.83 ECC 1.1873
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 46 1242.16 9.91 345.34 6.90 116.66 8 57 28 642.2 13.42 338.41
 90.00 13 22 14 5578.51 28.24 260.61 11.85 92.11 14 55 13 4978.5 28.24 251.94
 100.00 9 39 18 1040.33 8.46 329.73 6.12 118.78 9 56 38 440.3 12.23 322.98
 100.00 15 2 24 5255.56 29.89 236.88 11.88 89.89 16 30 0 4655.6 29.56 228.09
 110.00 10 9 53 944.40 5.12 320.42 4.08 123.84 10 25 38 344.4 9.54 314.11
 110.00 16 48 18 4924.26 33.79 211.49 11.66 84.46 18 10 22 4324.3 32.65 202.44

DIFFERENTIAL CORRECTIONS

TDE .6982 TRA -.5826 TC3 1.2351 BAU .2002
 RDE -.0348 RRA -.0715 RC3 .4536 FAU .07963
 FDE-2.4703 FRA .9143 FC3-6.0571 BSP 5931
 BDE .6991 BRA .5869 BC3 1.3158 FSP -1573

MID-COURSE EXECUTION ACCURACY

SGT 1807.3 SGR 338.7 SG3 526.8
 RRT .5359 RRF -.5945 RTF -.9266
 SGB 1838.8 R23 -.1010 R13 -.9283
 SG1 1816.7 SG2 284.5 THA 5.88

ORBIT DETERMINATION ACCURACY

ST 1229.5 SR 71.8 SS 1786.3
 CRT -.6451 CRS -.7462 CST .9893
 LSA 2164.1 MSA 155.7 SSA 12.7
 EL1 1230.4 EL2 54.8 ALF 177.84

LAUNCH DATE MAY 30 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 331.086

RL 151.64 LAL .00 LOL 247.92 VL 26.682 GAL 1.08 AZL 94.00 HCA 142.13 SMA 127.80 ECC .18747 INC 3.9995 V1 29.380
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.568 GAP -6.36 AZP 86.84 TAL 175.32 TAP 317.45 RCA 103.84 APO 151.76 V2 34.977
 RC 62.420 GL -33.83 GP 6.61 ZAL 86.23 ZAP 31.62 ETS 348.40 ZAE 148.12 ETE 25.08 ZAC 84.84 ETC 13.01 CLP -30.99

PLANETOCENTRIC CONIC

C3 11.167 VHL 3.342 DLA -24.28 RAL 150.33 RAD 6567.4 VEL 11.513 PTH 2.01 VHP 4.610 DPA 9.42 RAP 183.23 ECC 1.1838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 8 1201.62 11.14 342.99 5.73 116.20 9 2 10 601.6 14.58 336.00
 90.00 13 6 39 5611.19 28.14 262.99 10.46 93.31 14 40 10 5011.2 28.30 254.33
 100.00 9 42 57 1005.34 9.60 327.76 4.92 118.45 9 59 42 405.3 13.32 320.95
 100.00 14 48 32 5282.70 29.88 238.90 10.54 90.95 16 16 35 4682.7 29.69 230.10
 110.00 10 11 0 917.36 6.15 319.00 2.82 123.69 10 26 17 317.4 10.53 312.65
 110.00 16 36 58 4943.45 33.90 212.98 10.38 85.34 17 59 22 4343.5 32.88 203.89

DIFFERENTIAL CORRECTIONS

TDE .6905 TRA -5.481 TC3 1.2367 BAU .1989
 RDE -.0047 RRA -.0706 RC3 .4958 FAU .08788
 FDE -2.7762 FRA .9297 FC3-6.8125 BSP 5840
 BDE .6906 BRA .5526 BC3 1.3324 FSP -1771

MID-COURSE EXECUTION ACCURACY

SGT 1774.1 SGR 357.1 SG3 588.8
 RRT .6334 RRF -.6998 RTF -.9264
 SGB 1809.7 R23 -.1274 R13 -.9292
 SG1 1788.8 SG2 274.0 THA 7.44

ORBIT DETERMINATION ACCURACY

ST 1223.9 SR 41.8 SS 1908.1
 CRT .0603 CRS -.0791 CST .9894
 LSA 2261.9 MSA 155.4 SSA 11.9
 EL1 1223.9 EL2 41.7 ALF .12

LAUNCH DATE MAY 30 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 337.672

RL 151.64 LAL .00 LOL 247.92 VL 26.734 GAL .98 AZL 94.08 HCA 145.33 SMA 128.15 ECC .18413 INC 4.0792 V1 29.380
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.618 GAP -5.79 AZP 86.64 TAL 175.66 TAP 320.99 RCA 104.55 APO 151.74 V2 34.990
 RC 64.367 GL -34.93 GP 7.58 ZAL 86.99 ZAP 35.07 ETS 348.33 ZAE 148.80 ETE 26.84 ZAC 84.76 ETC 12.94 CLP -34.35

PLANETOCENTRIC CONIC

C3 11.027 VHL 3.321 DLA -24.98 RAL 149.11 RAD 6567.4 VEL 11.507 PTH 2.00 VHP 4.349 DPA 10.36 RAP 183.50 ECC 1.1815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 15 1157.66 12.45 340.43 4.76 115.64 9 8 32 557.7 15.80 333.35
 90.00 12 49 49 5649.95 27.95 265.81 9.23 94.71 14 23 59 5049.9 28.31 257.17
 100.00 9 47 51 968.48 10.78 325.67 3.90 118.05 10 3 59 368.5 14.45 318.80
 100.00 14 33 55 5314.36 29.82 241.25 9.35 92.19 16 2 29 4714.4 29.80 232.45
 110.00 10 12 53 889.91 7.18 317.55 1.73 123.51 10 27 43 289.9 11.54 311.16
 110.00 16 25 21 4965.69 34.01 214.71 9.29 86.35 17 48 7 4365.7 33.13 205.58

DIFFERENTIAL CORRECTIONS

TDE .6803 TRA -5.118 TC3 1.2175 BAU .1969
 RDE .0312 RRA -.0705 RC3 .5485 FAU .09717
 FDE -3.1334 FRA .9383 FC3-7.6287 BSP 5761
 BDE .6810 BRA .5166 BC3 1.3353 FSP -2005

MID-COURSE EXECUTION ACCURACY

SGT 1726.5 SGR 391.9 SG3 658.5
 RRT .7219 RRF -.7956 RTF -.9258
 SGB 1770.4 R23 -.1601 R13 -.9303
 SG1 1750.1 SG2 267.5 THA 9.53

ORBIT DETERMINATION ACCURACY

ST 1209.9 SR 68.1 SS 2042.4
 CRT .9132 CRS .8495 CST .9894
 LSA 2369.8 MSA 154.5 SSA 10.9
 EL1 1211.5 EL2 27.7 ALF 2.95

LAUNCH DATE MAY 30 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 344.240

RL 151.64 LAL .00 LOL 247.92 VL 26.780 GAL .89 AZL 94.17 HCA 148.53 SMA 128.45 ECC .18120 INC 4.1731 V1 29.380
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.663 GAP -5.24 AZP 86.44 TAL 175.96 TAP 324.49 RCA 105.18 APO 151.73 V2 35.003
 RC 66.356 GL -36.05 GP 8.76 ZAL 87.66 ZAP 38.80 ETS 348.22 ZAE 149.63 ETE 29.39 ZAC 84.86 ETC 12.91 CLP -37.95

PLANETOCENTRIC CONIC

C3 10.962 VHL 3.311 DLA -25.73 RAL 147.95 RAD 6567.4 VEL 11.504 PTH 2.00 VHP 4.110 DPA 11.61 RAP 183.63 ECC 1.1804
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 1 1107.34 13.91 337.46 4.03 114.91 9 17 28 507.3 17.16 330.28
 90.00 12 30 50 5697.84 27.64 269.28 8.14 96.42 14 5 48 5097.8 28.24 260.67
 100.00 9 54 33 928.02 12.07 323.35 3.10 117.56 10 10 1 328.0 15.67 316.41
 100.00 14 17 59 5352.40 29.69 244.07 8.34 93.66 15 47 12 4752.4 29.88 235.27
 110.00 10 15 51 861.21 8.26 316.02 .83 123.29 10 30 12 261.2 12.58 309.59
 110.00 16 13 11 4991.97 34.11 216.76 8.40 87.56 17 36 23 4392.0 33.39 207.59

DIFFERENTIAL CORRECTIONS

TDE .6581 TRA -4.811 TC3 1.1472 BAU .1906
 RDE .0745 RRA -.0718 RC3 .6120 FAU .10664
 FDE -3.5293 FRA .9553 FC3-8.4219 BSP 5490
 BDE .6623 BRA .4864 BC3 1.3003 FSP -2229

MID-COURSE EXECUTION ACCURACY

SGT 1651.7 SGR 447.1 SG3 732.0
 RRT .7884 RRF -.8714 RTF -.9210
 SGB 1711.2 R23 -.2039 R13 -.9287
 SG1 1689.9 SG2 268.8 THA 12.36

ORBIT DETERMINATION ACCURACY

ST 1172.4 SR 136.0 SS 2178.5
 CRT .9950 CRS .9739 CST .9889
 LSA 2472.7 MSA 155.6 SSA 9.9
 EL1 1180.1 EL2 13.5 ALF 6.58

LAUNCH DATE MAY 30 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 350.790

RL 151.64 LAL .00 LOL 247.92 VL 26.820 GAL .82 AZL 94.29 HCA 151.73 SMA 128.72 ECC .17864 INC 4.2858 V1 29.380
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.704 GAP -4.71 AZP 86.22 TAL 176.23 TAP 327.96 RCA 105.73 APO 151.72 V2 35.016
 RC 68.382 GL -37.22 GP 10.23 ZAL 88.24 ZAP 42.83 ETS 348.08 ZAE 150.54 ETE 32.96 ZAC 85.16 ETC 12.92 CLP -41.82

PLANETOCENTRIC CONIC

C3 10.979 VHL 3.313 DLA -26.56 RAL 146.86 RAD 6567.4 VEL 11.505 PTH 2.00 VHP 3.894 DPA 13.22 RAP 183.65 ECC 1.1807
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 14 1044.98 15.67 333.72 3.60 113.89 9 30 39 445.0 18.77 326.41
 90.00 12 7 52 5760.84 27.08 273.81 7.16 98.62 13 43 52 5160.8 27.99 265.26
 100.00 10 3 57 881.22 13.53 320.64 2.55 116.91 10 18 38 281.2 17.03 313.60
 100.00 13 59 50 5399.83 29.43 247.57 7.49 95.49 15 29 50 4799.8 29.88 238.80
 110.00 10 20 14 830.10 9.42 314.36 .13 123.01 10 34 4 230.1 13.70 307.87
 110.00 16 0 3 5023.71 34.17 219.23 7.71 89.02 17 23 46 4423.7 33.66 210.03

DIFFERENTIAL CORRECTIONS

TDE .6316 TRA -4.464 TC3 1.0608 BAU .1860
 RDE .1290 RRA -.0737 RC3 .6932 FAU .11729
 FDE -3.9879 FRA .9526 FC3-9.2485 BSP 5317
 BDE .6446 BRA .4525 BC3 1.2672 FSP -2505

MID-COURSE EXECUTION ACCURACY

SGT 1559.4 SGR 530.2 SG3 812.8
 RRT .8340 RRF -.9254 RTF -.9154
 SGB 1647.1 R23 -.2469 R13 -.9291
 SG1 1622.9 SG2 281.1 THA 16.33

ORBIT DETERMINATION ACCURACY

ST 1122.6 SR 227.5 SS 2328.1
 CRT .9982 CRS .9934 CST .9883
 LSA 2589.9 MSA 155.4 SSA 8.9
 EL1 1145.3 EL2 13.4 ALF 11.44

LAUNCH DATE MAY 30 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

RL 151.64 LAL .00 LOL 247.92 VL 26.855 GAL .76 AZL 94.42 HCA 154.93 SMA 128.95 ECC .17644 INC 4.4249 V1 29.380
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.741 GAP -4.19 AZP 85.99 TAL 176.45 TAP 331.38 RCA 106.20 APO 151.71 V2 35.029
 RC 70.443 GL -38.47 GP 12.07 ZAL 88.72 ZAP 47.18 ETS 347.93 ZAE 151.36 ETE 37.83 ZAC 85.63 ETC 12.99 CLP -45.97

PLANETOCENTRIC CONIC

C3 11.092 VHL 3.330 DLA -27.51 RAL 145.81 RAD 6567.4 VEL 11.510 PTH 2.00 VHP 3.703 DPA 15.28 RAP 183.58 ECC 1.1825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 59 954.42 18.08 328.17 3.62 112.17 9 52 54 354.4 20.93 320.65
 90.00 11 35 44 5855.60 25.93 280.51 6.20 101.79 13 13 19 5255.6 27.30 272.11
 100.00 10 17 45 822.70 15.30 317.20 2.33 116.00 10 31 28 222.7 18.67 310.03
 100.00 13 37 39 5462.56 28.93 252.17 6.79 97.86 15 8 42 4862.6 29.72 243.45
 110.00 10 26 38 794.80 10.72 312.45 359.68 122.65 10 39 53 194.8 14.95 305.90
 110.00 15 45 16 5063.23 34.17 222.32 7.26 90.85 17 9 39 4463.2 33.91 213.08

DIFFERENTIAL CORRECTIONS

TDE .5929 TRA -.4144 TC3 .9317 BAU .1814
 RDE .1986 RRA -.0769 RC3 .7931 FAU .12793
 FDE-4.4954 FRA .9434 FC3-9.9850 BSP 5088
 BDE .6253 BRA .4215 BC3 1.2235 FSP -2786

MID-COURSE EXECUTION ACCURACY

SGT 1439.3 SGR 646.5 SG3 895.4
 RRT .8556 RRF -.9594 RTF -.9042
 SGB 1577.9 R23 -.2846 R13 -.9303
 SG1 1546.8 SG2 311.5 THA 21.96

ORBIT DETERMINATION ACCURACY

ST 1048.3 SR 344.9 SS 2481.4
 CRT .9944 CRS .9980 CST .9870
 LSA 2711.3 MSA 155.9 SSA 7.9
 EL1 1103.1 EL2 34.6 ALF 18.13

LAUNCH DATE MAY 30 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

RL 151.64 LAL .00 LOL 247.92 VL 26.884 GAL .71 AZL 94.60 HCA 158.14 SMA 129.15 ECC .17457 INC 4.6020 V1 29.380
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.774 GAP -3.68 AZP 85.73 TAL 176.62 TAP 334.76 RCA 106.61 APO 151.70 V2 35.042
 RC 72.534 GL -39.85 GP 14.42 ZAL 89.10 ZAP 51.89 ETS 347.79 ZAE 151.86 ETE 44.29 ZAC 86.24 ETC 13.16 CLP -50.41

PLANETOCENTRIC CONIC

C3 11.328 VHL 3.366 DLA -28.62 RAL 144.78 RAD 6567.4 VEL 11.520 PTH 2.01 VHP 3.543 DPA 17.91 RAP 183.48 ECC 1.1864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.69 9 56 9 882.30 22.71 324.70 4.65 107.89 10 10 51 282.3 24.95 316.72
 94.31 11 8 22 648.39 22.72 307.57 4.66 107.88 11 19 11 48.4 24.96 299.59
 100.00 10 40 22 738.73 17.74 312.16 2.60 114.46 10 52 41 138.7 29.15 250.28
 100.00 13 6 50 5555.23 27.89 258.86 6.14 101.23 14 39 25 4955.2 29.15 250.28
 110.00 10 36 3 752.34 12.27 310.14 359.55 122.16 10 48 35 152.3 16.43 303.50
 110.00 15 27 39 5114.39 34.05 226.31 7.05 93.21 16 52 54 4514.4 34.12 217.06

DIFFERENTIAL CORRECTIONS

TDE .5399 TRA -.3870 TC3 .7554 BAU .1795
 RDE .2903 RRA -.0819 RC3 .9132 FAU .13759
 FDE-5.0464 FRA .9291 FC-10.5147 BSP 4828
 BDE .6130 BRA .3956 BC3 1.1851 FSP -3046

MID-COURSE EXECUTION ACCURACY

SGT 1291.0 SGR 804.5 SG3 974.2
 RRT .8530 RRF -.9791 RTF -.8826
 SGB 1521.2 R23 -.3035 R13 -.9353
 SG1 1476.2 SG2 367.3 THA 30.04

ORBIT DETERMINATION ACCURACY

ST 946.5 SR 496.8 SS 2635.6
 CRT .9894 CRS .9994 CST .9843
 LSA 2839.7 MSA 157.7 SSA 6.8
 EL1 1067.0 EL2 63.9 ALF 27.55

LAUNCH DATE MAY 30 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

RL 151.64 LAL .00 LOL 247.92 VL 26.909 GAL .68 AZL 94.84 HCA 161.35 SMA 129.32 ECC .17300 INC 4.8367 V1 29.380
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.804 GAP -3.18 AZP 85.42 TAL 176.74 TAP 338.09 RCA 106.95 APO 151.70 V2 35.056
 RC 74.652 GL -41.46 GP 17.50 ZAL 89.37 ZAP 56.97 ETS 347.68 ZAE 151.60 ETE 52.45 ZAC 86.92 ETC 13.46 CLP -55.14

PLANETOCENTRIC CONIC

C3 11.740 VHL 3.426 DLA -29.97 RAL 143.73 RAD 6567.4 VEL 11.538 PTH 2.01 VHP 3.420 DPA 21.32 RAP 183.48 ECC 1.1932
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.76 9 4 50 1041.19 23.58 336.74 4.50 109.05 9 22 12 441.2 25.96 328.75
 100.24 11 51 18 5792.39 23.59 275.17 4.50 109.03 13 27 51 5192.4 25.97 267.17
 79.76 9 4 50 1041.19 23.58 336.74 4.50 109.05 9 22 12 441.2 25.96 328.75
 100.24 11 51 18 5792.39 23.59 275.17 4.50 109.03 13 27 51 5192.4 25.97 267.17
 110.00 10 50 23 697.05 14.25 307.08 359.86 121.40 11 2 0 97.1 18.31 300.31
 110.00 15 4 56 5184.53 33.65 231.75 7.09 96.40 16 31 21 4584.5 34.17 222.54

DIFFERENTIAL CORRECTIONS

TDE .4742 TRA -.3598 TC3 .5538 BAU .1875
 RDE .4165 RRA -.0872 RC3 1.0589 FAU .14589
 FDE-5.6373 FRA .8805 FC-10.7584 BSP 4736
 BDE .6311 BRA .3702 BC3 1.1949 FSP -3283

MID-COURSE EXECUTION ACCURACY

SGT 1120.3 SGR 1019.7 SG3 1044.4
 RRT .8268 RRF -.9898 RTF -.8458
 SGB 1514.9 R23 -.2752 R13 -.9521
 SG1 1448.5 SG2 443.7 THA 41.75

ORBIT DETERMINATION ACCURACY

ST 819.9 SR 698.6 SS 2790.6
 CRT .9829 CRS .9998 CST .9794
 LSA 2987.1 MSA 158.9 SSA 5.8
 EL1 1072.7 EL2 98.4 ALF 40.35

LAUNCH DATE MAY 30 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

RL 151.64 LAL .00 LOL 247.92 VL 26.930 GAL .66 AZL 95.17 HCA 164.56 SMA 129.46 ECC .17171 INC 5.1652 V1 29.380
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.831 GAP -2.70 AZP 85.02 TAL 176.81 TAP 341.37 RCA 107.23 APO 151.69 V2 35.069
 RC 76.795 GL -43.44 GP 21.66 ZAL 89.54 ZAP 62.44 ETS 347.65 ZAE 149.97 ETE 61.95 ZAC 87.54 ETC 13.95 CLP -60.15

PLANETOCENTRIC CONIC

C3 12.433 VHL 3.526 DLA -31.68 RAL 142.58 RAD 6567.5 VEL 11.568 PTH 2.02 VHP 3.350 DPA 25.81 RAP 183.82 ECC 1.2046
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.17 8 27 2 1158.40 24.59 345.94 4.71 110.63 8 46 20 558.4 27.17 337.94
 104.83 12 19 56 5699.40 24.60 268.58 4.71 110.62 13 54 56 5099.4 27.18 260.58
 75.17 8 27 2 1158.40 24.59 345.94 4.71 110.63 8 46 20 558.4 27.17 337.94
 104.83 12 19 56 5699.40 24.60 268.58 4.71 110.62 13 54 56 5099.4 27.18 260.58
 110.00 11 14 36 614.66 17.12 302.42 .93 120.05 11 24 51 14.7 20.98 295.42
 110.00 14 31 32 5291.14 32.54 239.87 7.28 101.09 15 59 43 4691.1 33.73 230.83

DIFFERENTIAL CORRECTIONS

TDE .3909 TRA -.3375 TC3 .3197 BAU .2098
 RDE .5982 RRA -.0926 RC3 1.2213 FAU .14981
 FDE-6.2295 FRA .7927 FC-10.4317 BSP 4935
 BDE .7146 BRA .3499 BC3 1.2625 FSP -3429

MID-COURSE EXECUTION ACCURACY

SGT 932.5 SGR 1310.7 SG3 1089.0
 RRT .7573 RRF -.9953 RTF -.7712
 SGB 1608.6 R23 -.1892 R13 -.9775
 SG1 1520.5 SG2 525.0 THA 57.31

ORBIT DETERMINATION ACCURACY

ST 664.0 SR 973.9 SS 2933.8
 CRT .9710 CRS .9999 CST .9687
 LSA 3157.6 MSA 161.0 SSA 4.8
 EL1 1171.3 EL2 132.0 ALF 56.00

LAUNCH DATE MAY 30 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 383.248

RL 151.64 LAL .00 LOL 247.92 VL 26.946 GAL .65 AZL 95.66 HCA 167.77 SMA 129.57 ECC .17070 INC 5.6614 V1 29.380
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.854 GAP -2.23 AZP 84.47 TAL 176.83 TAP 344.60 RCA 107.46 APO 151.69 V2 35.082
 RC 78.958 GL -46.01 GP 27.54 ZAL 89.61 ZAP 68.33 ETS 347.77 ZAE 146.06 ETE 71.77 ZAC 87.84 ETC 14.66 CLP -65.38

PLANETOCENTRIC CONIC

C3 13.650 VHL 3.695 DLA -33.97 RAL 141.17 RAD 6567.5 VEL 11.620 PTH 2.04 VHP 3.365 DPA 31.88 RAP 185.00 ECC 1.2246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.41 7 50 40 1273.75 25.74 355.31 5.44 112.96 8 11 54 673.8 28.62 347.33
 109.59 12 45 4 5624.33 25.76 263.33 5.45 112.95 14 18 49 5024.3 28.63 255.35
 70.41 7 50 40 1273.75 25.74 355.31 5.44 112.96 8 11 54 673.8 28.62 347.33
 109.59 12 45 4 5624.33 25.76 263.33 5.45 112.95 14 18 49 5024.3 28.63 255.35
 110.00 12 18 18 5706.02 23.40 268.53 4.28 115.66 13 53 24 5106.0 26.66 260.88
 110.00 13 16 37 5528.10 28.15 256.89 6.51 110.25 14 48 45 4928.1 30.64 248.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2875 TRA -.3216 TC3 .0847 BAU .2535 SGT 751.3 SGR 1712.8 SG3 1085.0 ST 481.0 SR 1362.6 SS 3040.1
 RDE .8777 RRA -.0941 RC3 1.3867 FAU .14648 RRT .6037 RRF -.9979 RTF -.6151 CRT .9406 CRS 1.0000 CST .9391
 FDE-6.7369 FRA .6365 FC3-9.2902 BSP 5748 SGB 1870.3 R23 -.0802 R13 -.9948 LSA 3362.1 MSA 163.5 SSA 3.8
 BDE .9236 BRA .3351 BC3 1.3893 FSP -3439 SG1 1779.2 SG2 576.6 THA 73.37 EL1 1436.7 EL2 154.8 ALF 71.41

LAUNCH DATE MAY 30 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 389.679

RL 151.64 LAL .00 LOL 247.92 VL 26.959 GAL .66 AZL 96.51 HCA 170.98 SMA 129.66 ECC .16993 INC 6.5049 V1 29.380
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.875 GAP -1.77 AZP 83.57 TAL 176.78 TAP 347.76 RCA 107.63 APO 151.69 V2 35.094
 RC 81.139 GL -49.64 GP 36.31 ZAL 89.60 ZAP 74.61 ETS 348.20 ZAE 138.55 ETE 80.51 ZAC 87.31 ETC 15.57 CLP -70.78

PLANETOCENTRIC CONIC

C3 16.064 VHL 4.008 DLA -37.21 RAL 139.18 RAD 6567.6 VEL 11.724 PTH 2.07 VHP 3.555 DPA 40.43 RAP 188.32 ECC 1.2644
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.77 7 11 8 1404.71 26.96 6.34 7.11 116.69 7 34 33 804.7 30.31 358.48
 115.23 13 8 42 5566.01 26.97 259.32 7.12 116.67 14 41 28 4966.0 30.32 251.46
 64.77 7 11 8 1404.71 26.96 6.34 7.11 116.69 7 34 33 804.7 30.31 358.48
 115.23 13 8 42 5566.01 26.97 259.32 7.12 116.67 14 41 28 4966.0 30.32 251.46
 64.77 7 11 8 1404.71 26.96 6.34 7.11 116.69 7 34 33 804.7 30.31 358.48
 115.23 13 8 42 5566.01 26.97 259.32 7.12 116.67 14 41 28 4966.0 30.32 251.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1613 TRA -.3193 TC3 -.1199 BAU .3199 SGT 625.2 SGR 2274.9 SG3 985.4 ST 287.6 SR 1934.4 SS 3052.7
 RDE 1.3526 RRA -.0787 RC3 1.4846 FAU .12868 RRT .2900 RRF -.9991 RTF -.3005 CRT .8142 CRS 1.0000 CST .8133
 FDE-6.9508 FRA .3753 FC3-6.9348 BSP 7300 SGB 2359.2 R23 -.0111 R13 -.9991 LSA 3621.6 MSA 166.9 SSA 2.9
 BDE 1.3622 BRA .3288 BC3 1.4895 FSP -3120 SG1 2282.6 SG2 596.3 THA 85.11 EL1 1948.7 EL2 165.8 ALF 83.05

LAUNCH DATE MAY 30 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 396.085

RL 151.64 LAL .00 LOL 247.92 VL 26.968 GAL .68 AZL 98.27 HCA 174.19 SMA 129.72 ECC .16941 INC 8.2734 V1 29.380
 RP 107.94 LAP -.83 LOP 62.17 VP 37.893 GAP -1.32 AZP 81.77 TAL 176.68 TAP 350.87 RCA 107.75 APO 151.70 V2 35.107
 RC 83.336 GL -55.23 GP 50.24 ZAL 89.56 ZAP 81.18 ETS 349.30 ZAE 125.25 ETE 87.08 ZAC 84.97 ETC 16.29 CLP -76.14

PLANETOCENTRIC CONIC

C3 22.313 VHL 4.724 DLA -42.16 RAL 135.79 RAD 6567.9 VEL 11.987 PTH 2.14 VHP 4.245 DPA 52.74 RAP 198.14 ECC 1.3672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.36 6 23 0 1580.33 27.40 21.41 10.84 123.39 6 49 20 980.3 31.59 13.98
 122.64 13 29 49 5545.06 27.42 257.86 10.85 123.38 15 2 14 4945.1 31.60 250.43
 57.36 6 23 0 1580.33 27.40 21.41 10.84 123.39 6 49 20 980.3 31.59 13.98
 122.64 13 29 49 5545.06 27.42 257.86 10.85 123.38 15 2 14 4945.1 31.60 250.43
 57.36 6 23 0 1580.33 27.40 21.41 10.84 123.39 6 49 20 980.3 31.59 13.98
 122.64 13 29 49 5545.06 27.42 257.86 10.85 123.38 15 2 14 4945.1 31.60 250.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0191 TRA -.3527 TC3 -.2166 BAU .4068 SGT 612.8 SGR 3077.4 SG3 724.2 ST 174.8 SR 2802.2 SS 2833.1
 RDE 2.3100 RRA .0208 RC3 1.3465 FAU .08879 RRT -.1140 RRF -.9996 RTF .1039 CRT .1287 CRS 1.0000 CST .1292
 FDE-6.3682 FRA -.0499 FC3-3.4451 BSP 10051 SGB 3137.8 R23 .0147 R13 -.9996 LSA 3984.9 MSA 173.3 SSA 1.9
 BDE 2.3101 BRA .3533 BC3 1.3638 FSP -2337 SG1 3078.2 SG2 608.6 THA 91.35 EL1 2802.3 EL2 173.3 ALF 89.54

LAUNCH DATE MAY 30 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 402.459

RL 151.64 LAL .00 LOL 247.92 VL 26.973 GAL .71 AZL 104.37 HCA 177.39 SMA 129.76 ECC .16910 INC 14.3666 V1 29.380
 RP 107.91 LAP -.65 LOP 65.39 VP 37.909 GAP -.88 AZP 75.65 TAL 176.49 TAP 353.87 RCA 107.82 APO 151.70 V2 35.119
 RC 85.546 GL -64.09 GP 73.70 ZAL 89.58 ZAP 87.20 ETS 350.63 ZAE 102.09 ETE 90.15 ZAC 79.13 ETC 13.84 CLP -79.97

PLANETOCENTRIC CONIC

C3 55.358 VHL 7.440 DLA -49.69 RAL 129.06 RAD 6569.0 VEL 13.294 PTH 2.43 VHP 7.549 DPA 66.50 RAP 237.22 ECC 1.9111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.30 5 19 0 1902.76 20.86 45.44 20.18 136.18 5 50 43 1302.8 26.52 39.67
 132.70 13 40 6 5676.62 20.88 264.06 20.19 136.18 15 14 43 5076.6 26.53 258.30
 47.30 5 19 0 1902.76 20.86 45.44 20.18 136.18 5 50 43 1302.8 26.52 39.67
 132.70 13 40 6 5676.62 20.88 264.06 20.19 136.18 15 14 43 5076.6 26.53 258.30
 47.30 5 19 0 1902.76 20.86 45.44 20.18 136.18 5 50 43 1302.8 26.52 39.67
 132.70 13 40 6 5676.62 20.88 264.06 20.19 136.18 15 14 43 5076.6 26.53 258.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2320 TRA -.5610 TC3 -.1037 BAU .3273 SGT 708.3 SGR 3868.2 SG3 269.0 ST 268.5 SR 3791.0 SS 1998.3
 RDE 4.9198 RRA .3757 RC3 .4300 FAU .01985 RRT .1020 RRF -.9998 RTF -.1196 CRT .6386 CRS 1.0000 CST .6419
 FDE-3.9765 FRA -.2670 FC3 -.3104 BSP 11161 SGB 3932.5 R23 .0141 R13 -.9998 LSA 4288.9 MSA 206.4 SSA .9
 BDE 4.9253 BRA .6752 BC3 .4423 FSP -749 SG1 3868.9 SG2 704.5 THA 88.89 EL1 3794.9 EL2 206.4 ALF 87.40

LAUNCH DATE MAY 30 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 409.074

RL 151.64 LAL .00 LOL 247.92 VL 26.976 GAL .71 AZL 56.17 HCA 180.83 SMA 129.78 ECC .16894 INC33.8232 V1 29.380
 RP 107.87 LAP -.46 LOP 68.60 VP 37.921 GAP -.39 AZP 123.82 TAL 176.50 TAP 357.33 RCA 107.85 APO 151.70 V2 35.131
 RC 87.767 GL 65.10 GP -77.89 ZAL 89.82 ZAP 89.89 ETS 176.27 ZAE 81.99 ETE 77.76 ZAC 100.35 ETC 156.94 CLP 89.48

PLANETOCENTRIC CONIC

C3 274.064 VHL 16.555 DLA 63.38 RAL 209.16 RAD 6571.6 VEL 19.884 PTH 3.13 VHP 23.442 DPA -68.82 RAP 67.53 ECC 5.5104
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.60 21 50 39 4950.78 -6.04 240.06 116.13 26.78 23 13 10 4350.8 -13.17 236.79
 149.40 7 47 31 3248.37 -6.03 98.52 116.11 26.78 8 41 39 2648.4 -13.16 95.24
 30.60 21 50 39 4950.78 -6.04 240.06 116.13 26.78 23 13 10 4350.8 -13.17 236.79
 149.40 7 47 31 3248.37 -6.03 98.52 116.11 26.78 8 41 39 2648.4 -13.16 95.24
 30.60 21 50 39 4950.78 -6.04 240.06 116.13 26.78 23 13 10 4350.8 -13.17 236.79
 149.40 7 47 31 3248.37 -6.03 98.52 116.11 26.78 8 41 39 2648.4 -13.16 95.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -2.3000 TRA -1.4115 TC3 -.0813 BAU .7540 SGT 1376.4 SGR 4146.3 SG3 81.1 ST 860.6 SR 1326.9 SS 611.1
 RDE -1.5091 RRA -5.2638 RC3 -.1891 FAU .01369 RRT .8789 RRF -1.0000 RTF -.8811 CRT .7135 CRS .9999 CST .7221
 FDE .3531 FRA 1.1906 FC3 .0433 BSP 9343 SGB 4368.7 R23 -.0390 R13 -.9992 LSA 1604.6 MSA 547.8 SSA .3
 BDE 2.7509 BRA 5.4498 BC3 .2058 FSP -182 SG1 4323.1 SG2 629.6 THA 73.37 EL1 1487.2 EL2 538.0 ALF 61.02

LAUNCH DATE MAY 30 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE .000

RL 151.64 LAL .00 LOL 247.92 VL 26.976 GAL .79 AZL 86.04 HCA 183.92 SMA 129.78 ECC .16907 INC 3.9583 V1 29.380
 RP 107.83 LAP -.27 LOP 71.82 VP 37.932 GAP .00 AZP 93.95 TAL 176.09 TAP .01 RCA 107.83 APO 151.72 V2 35.143
 RC 89.996 GL 36.99 GP -62.80 ZAL 88.29 ZAP 92.16 ETS 356.87 ZAE 120.28 ETE 257.51 ZAC 110.96 ETC 351.31 CLP -94.72

PLANETOCENTRIC CONIC

C3 9.577 VHL 3.095 DLA 41.33 RAL 179.19 RAD 6567.3 VEL 11.444 PTH 1.99 VHP 5.443 DPA -45.60 RAP 132.36 ECC 1.1576
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.54 21 19 20 4022.90 -33.22 176.73 41.07 63.85 22 26 23 3422.9 -36.43 168.21
 121.46 4 19 44 2728.05 -33.21 77.73 41.06 63.84 5 5 12 2128.0 -36.42 69.22
 58.54 21 19 20 4022.90 -33.22 176.73 41.07 63.85 22 26 23 3422.9 -36.43 168.21
 121.46 4 19 44 2728.05 -33.21 77.73 41.06 63.84 5 5 12 2128.0 -36.42 69.22
 58.54 21 19 20 4022.90 -33.22 176.73 41.07 63.85 22 26 23 3422.9 -36.43 168.21
 121.46 4 19 44 2728.05 -33.21 77.73 41.06 63.84 5 5 12 2128.0 -36.42 69.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4695 TRA .3146 TC3 -1.8638 BAU .5286 SGT 1639.5 SGR 3681.6 SG3 464.2 ST 900.5 SR 1330.2 SS 891.8
 RDE .5698 RRA 1.0915 RC3 -3.6838 FAU .06039 RRT .9335 RRF .9999 RTF .9330 CRT .9243 CRS -.9999 CST -.9191
 FDE .8037 FRA 1.5831 FC3 -5.4585 BSP 11117 SGB 4030.1 R23 .0586 R13 .9982 LSA 1811.5 MSA 307.0 SSA 1.3
 BDE .7383 BRA 1.1360 BC3 4.1285 FSP -1310 SG1 3993.5 SG2 542.0 THA 66.98 EL1 1580.1 EL2 289.3 ALF 56.70

LAUNCH DATE MAY 30 1967

FLIGHT TIME 154.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 421.601

RL 151.64 LAL .00 LOL 247.92 VL 26.973 GAL .86 AZL 89.36 HCA 187.13 SMA 129.75 ECC .16936 INC .6374 V1 29.380
 RP 107.80 LAP -.08 LOP 75.05 VP 37.940 GAP .42 AZP 90.63 TAL 175.76 TAP 2.89 RCA 107.78 APO 151.73 V2 35.154
 RC 92.232 GL 7.10 GP -44.27 ZAL 87.06 ZAP 97.13 ETS 353.88 ZAE 136.95 ETE 247.76 ZAC 114.38 ETC 357.15 CLP -99.99

PLANETOCENTRIC CONIC

C3 5.919 VHL 2.433 DLA 14.05 RAL 165.12 RAD 6567.2 VEL 11.283 PTH 1.94 VHP 3.817 DPA -28.51 RAP 141.55 ECC 1.0974
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 4 1 2418.52 -23.94 54.83 12.93 105.60 4 44 20 1818.5 -21.57 46.96
 90.00 19 42 48 4158.36 -1.31 169.66 10.37 61.71 20 52 7 3558.4 -5.08 163.01
 100.00 5 32 49 2132.17 -24.76 33.50 12.66 107.31 6 8 21 1532.2 -22.15 25.67
 100.00 20 56 42 3919.94 -.56 151.71 9.95 60.11 22 2 2 3319.9 -4.53 145.18
 110.00 6 57 45 1866.41 -26.89 12.47 11.82 111.94 7 28 51 1266.4 -23.68 4.79
 110.00 21 48 15 3758.47 1.36 138.26 8.75 55.84 22 50 53 3158.5 -3.13 132.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0448 TRA .2021 TC3 -3.8303 BAU .5004 SGT 1930.1 SGR 2846.2 SG3 879.3 ST 189.6 SR 475.6 SS 582.7
 RDE -.0784 RRA .5933 RC3 -5.0308 FAU .12352 RRT .9556 RRF .9997 RTF .9556 CRT .5346 CRS -.9934 CST -.4369
 FDE -.3683 FRA 2.0823 FC3 -18.0661 BSP 10523 SGB 3439.0 R23 .0916 R13 .9955 LSA 756.7 MSA 170.5 SSA 8.6
 BDE .0903 BRA .6268 BC3 6.3229 FSP -2796 SG1 3405.9 SG2 475.5 THA 56.31 EL1 487.6 EL2 156.3 ALF 76.56

LAUNCH DATE MAY 30 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 427.915

RL 151.64 LAL .00 LOL 247.92 VL 26.967 GAL .94 AZL 90.62 HCA 190.35 SMA 129.72 ECC .16983 INC .6230 V1 29.380
 RP 107.77 LAP .11 LOP 78.27 VP 37.946 GAP .83 AZP 89.39 TAL 175.37 TAP 5.73 RCA 107.69 APO 151.75 V2 35.165
 RC 94.474 GL -6.90 GP -33.02 ZAL 86.18 ZAP 102.65 ETS 352.51 ZAE 145.14 ETE 235.48 ZAC 116.22 ETC 1.27 CLP -105.14

PLANETOCENTRIC CONIC

C3 5.955 VHL 2.440 DLA .77 RAL 160.56 RAD 6567.2 VEL 11.285 PTH 1.94 VHP 3.377 DPA -17.53 RAP 144.67 ECC 1.0980
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 31 1991.21 -13.60 27.81 5.81 115.08 6 3 42 1391.2 -10.11 20.87
 90.00 17 39 56 4587.64 12.21 193.96 5.66 64.25 18 56 23 3987.6 8.64 187.09
 100.00 6 52 13 1727.68 -14.27 8.10 5.48 116.55 7 21 1 1127.7 -10.59 1.24
 100.00 19 0 55 4326.40 12.87 174.41 5.32 62.79 20 13 1 3726.4 9.12 167.63
 110.00 8 1 17 1511.51 -16.04 350.69 4.47 120.60 8 26 28 911.5 -11.86 344.07
 110.00 20 8 20 4115.34 14.63 157.37 4.30 58.76 21 16 56 3515.3 10.39 150.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2063 TRA .1919 TC3 -4.5031 BAU .4728 SGT 2295.1 SGR 2199.6 SG3 1111.4 ST 507.2 SR 657.6 SS 1226.8
 RDE -.2507 RRA .4082 RC3 -3.8730 FAU .15515 RRT .9649 RRF .9994 RTF .9656 CRT .9827 CRS -.9984 CST -.9908
 FDE -1.6456 FRA 2.3069 FC3 -22.5572 BSP 9681 SGB 3178.9 R23 .1333 R13 .9904 LSA 1479.4 MSA 75.7 SSA 14.3
 BDE .3247 BRA .4510 BC3 5.9395 FSP -3560 SG1 3151.0 SG2 420.7 THA 43.74 EL1 827.1 EL2 74.8 ALF 52.48

LAUNCH DATE MAY 30 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 434.213

RL 151.64 LAL .00 LOL 247.92 VL 26.959 GAL 1.04 AZL 91.29 HCA 193.58 SMA 129.66 ECC .17047 INC 1.2897 V1 29.380
 RP 107.73 LAP .30 LOP 81.50 VP 37.950 GAP 1.24 AZP 88.75 TAL 174.94 TAP 8.52 RCA 107.56 APO 151.77 V2 35.175
 RC 96.719 GL -13.97 GP -25.77 ZAL 85.29 ZAP 108.00 ETS 351.92 ZAE 148.31 ETE 223.05 ZAC 117.47 ETC 4.19 CLP-110.07

PLANETOCENTRIC CONIC

C3 6.320 VHL 2.514 DLA -6.14 RAL 158.78 RAD 6567.2 VEL 11.301 PTH 1.94 VHP 3.240 DPA -10.21 RAP 145.85 ECC 1.1040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 5 1785.84 -7.39 15.92 4.23 117.41 6 44 51 1185.8 -3.66 9.23
 90.00 16 41 11 4812.96 18.44 207.57 5.48 68.12 18 1 24 4213.0 15.30 200.29
 100.00 7 33 31 1532.84 -8.07 356.95 3.86 118.88 7 59 4 932.8 -4.16 350.35
 100.00 18 5 26 4541.19 19.15 187.26 5.16 66.60 19 21 7 3941.2 15.82 180.05
 110.00 8 35 5 1340.08 -9.88 341.22 2.77 122.89 8 57 25 740.1 -5.48 334.90
 110.00 19 20 21 4306.72 21.06 168.49 4.20 62.43 20 32 8 3706.7 17.20 161.49

DIFFERENTIAL CORRECTIONS

TDE -.3985 TRA .2131 TC3-4.8471 BAU .4760
 RDE -.2737 RRA .3115 RC3-2.8706 FAU .16651
 FDE-2.5158 FRA 2.3811 FC-22.8095 BSP .9556
 BDE .4834 BRA .3775 BC3 5.6333 FSP -3850

MID-COURSE EXECUTION ACCURACY

SGT 2646.3 SGR 1726.9 SG3 1204.0
 RRT .9700 RRF .9984 RTF .9714
 SGB 3159.9 R23 .1599 R13 .9856
 SG1 3140.0 SG2 353.7 THA 32.80

ORBIT DETERMINATION ACCURACY

ST 922.8 SR 661.0 SS 1671.9
 CRT .9854 CRS -.9986 CST -.9928
 LSA 2017.9 MSA 108.4 SSA 9.8
 EL1 1131.4 EL2 91.7 ALF 35.49

LAUNCH DATE MAY 30 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 440.492

RL 151.64 LAL .00 LOL 247.92 VL 26.949 GAL 1.14 AZL 91.70 HCA 196.81 SMA 129.60 ECC .17127 INC 1.7041 V1 29.380
 RP 107.70 LAP .49 LOP 84.72 VP 37.953 GAP 1.64 AZP 88.37 TAL 174.46 TAP 11.27 RCA 107.40 APO 151.79 V2 35.185
 RC 98.967 GL -18.04 GP -20.79 ZAL 84.33 ZAP 113.02 ETS 351.72 ZAE 148.67 ETE 212.55 ZAC 118.40 ETC 6.37 CLP-114.72

PLANETOCENTRIC CONIC

C3 6.695 VHL 2.587 DLA -10.32 RAL 158.19 RAD 6567.2 VEL 11.318 PTH 1.95 VHP 3.221 DPA -5.09 RAP 146.30 ECC 1.1102
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 32 1661.37 -3.43 8.91 4.34 118.13 7 13 14 1061.4 .35 2.28
 90.00 16 6 1 4957.18 21.83 216.78 6.48 71.51 17 28 38 4357.2 19.10 209.17
 100.00 8 1 46 1415.47 -4.16 350.43 3.94 119.63 8 25 21 815.5 -.19 343.90
 100.00 17 32 29 4678.32 22.62 195.97 6.18 69.92 18 50 27 4078.3 19.68 188.41
 110.00 8 58 23 1238.17 -6.07 335.79 2.75 123.70 9 19 1 638.2 -1.60 329.56
 110.00 18 52 21 4428.37 24.69 176.06 5.25 65.57 20 6 10 3828.4 21.19 168.67

DIFFERENTIAL CORRECTIONS

TDE -.5663 TRA .2480 TC3-5.1181 BAU .4985
 RDE -.2539 RRA .2532 RC3-2.1957 FAU .16765
 FDE-3.0573 FRA 2.3833 FC-21.6801 BSP .9981
 BDE .6206 BRA .3545 BC3 5.5692 FSP -3928

MID-COURSE EXECUTION ACCURACY

SGT 2983.1 SGR 1390.0 SG3 1223.3
 RRT .9725 RRF .9965 RTF .9754
 SGB 3291.1 R23 .1655 R13 .9830
 SG1 3277.9 SG2 294.4 THA 24.59

ORBIT DETERMINATION ACCURACY

ST 1267.6 SR 588.6 SS 1938.6
 CRT .9869 CRS -.9980 CST -.9949
 LSA 2386.9 MSA 119.3 SSA 9.5
 EL1 1394.9 EL2 86.4 ALF 24.72

LAUNCH DATE MAY 30 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 446.753

RL 151.64 LAL .00 LOL 247.92 VL 26.937 GAL 1.26 AZL 91.99 HCA 200.05 SMA 129.51 ECC .17225 INC 1.9885 V1 29.380
 RP 107.67 LAP .68 LOP 87.95 VP 37.953 GAP 2.04 AZP 88.13 TAL 173.92 TAP 13.97 RCA 107.21 APO 151.82 V2 35.195
 RC 101.218 GL -20.62 GP -17.21 ZAL 83.28 ZAP 117.66 ETS 351.71 ZAE 147.62 ETE 204.62 ZAC 119.07 ETC 8.07 CLP-119.08

PLANETOCENTRIC CONIC

C3 7.043 VHL 2.654 DLA -13.14 RAL 158.25 RAD 6567.2 VEL 11.333 PTH 1.95 VHP 3.261 DPA -1.35 RAP 146.47 ECC 1.1159
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 24 1575.44 -.67 4.11 5.16 118.31 7 35 40 975.4 3.12 357.48
 90.00 15 42 35 5060.82 23.91 223.66 7.92 74.35 17 6 56 4460.8 21.53 215.80
 100.00 8 23 54 1335.06 -1.45 346.01 4.73 119.86 8 46 9 735.1 2.54 339.48
 100.00 17 10 46 4776.44 24.76 202.47 7.65 72.70 18 30 22 4176.4 22.16 194.64
 110.00 9 16 46 1169.50 -3.47 332.19 3.47 124.03 9 36 16 569.5 1.02 325.98
 110.00 18 34 24 4514.76 27.00 181.71 6.76 68.20 19 49 39 3914.8 23.80 174.01

DIFFERENTIAL CORRECTIONS

TDE -.7186 TRA .2924 TC3-5.3485 BAU .5294
 RDE -.2204 RRA .2160 RC3-1.7337 FAU .16296
 FDE-3.3534 FRA 2.3602 FC-20.0329 BSP 10631
 BDE .7516 BRA .3636 BC3 5.6225 FSP -3857

MID-COURSE EXECUTION ACCURACY

SGT 3299.4 SGR 1141.3 SG3 1199.8
 RRT .9722 RRF .9928 RTF .9779
 SGB 3491.2 R23 .1554 R13 .9821
 SG1 3482.0 SG2 253.2 THA 18.69

ORBIT DETERMINATION ACCURACY

ST 1565.9 SR 497.8 SS 2089.1
 CRT .9859 CRS -.9968 CST -.9960
 LSA 2654.9 MSA 124.2 SSA 10.0
 EL1 1641.2 EL2 79.6 ALF 17.44

LAUNCH DATE MAY 30 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 452.996

RL 151.64 LAL .00 LOL 247.92 VL 26.924 GAL 1.39 AZL 92.20 HCA 203.28 SMA 129.42 ECC .17338 INC 2.1967 V1 29.380
 RP 107.65 LAP .87 LOP 91.19 VP 37.951 GAP 2.44 AZP 87.98 TAL 173.34 TAP 16.63 RCA 106.98 APO 151.86 V2 35.204
 RC 103.470 GL -22.34 GP -14.52 ZAL 82.13 ZAP 121.95 ETS 351.79 ZAE 145.94 ETE 198.91 ZAC 119.49 ETC 9.43 CLP-123.14

PLANETOCENTRIC CONIC

C3 7.368 VHL 2.714 DLA -15.21 RAL 158.71 RAD 6567.2 VEL 11.347 PTH 1.96 VHP 3.336 DPA 1.45 RAP 146.59 ECC 1.1213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 43 1510.89 1.42 .51 6.39 118.28 7 54 54 910.9 5.19 353.86
 90.00 15 25 58 5141.45 25.28 229.17 9.61 76.79 16 51 40 4541.5 23.21 221.12
 100.00 8 42 46 1275.16 .58 342.72 5.92 119.89 9 4 2 675.2 4.56 336.19
 100.00 16 55 36 4852.41 26.20 207.66 9.35 75.07 18 16 28 4252.4 23.89 199.62
 110.00 9 32 33 1119.23 -1.55 329.56 4.59 124.15 9 51 12 519.2 2.94 323.36
 110.00 18 22 19 4581.10 28.60 186.21 8.51 70.43 19 38 40 3981.1 25.66 178.27

DIFFERENTIAL CORRECTIONS

TDE -.8589 TRA .3457 TC3-5.5335 BAU .5624
 RDE -.1843 RRA .1916 RC3-1.4051 FAU .15479
 FDE-3.4837 FRA 2.3327 FC-18.1884 BSP 11348
 BDE .8785 BRA .3952 BC3 5.7091 FSP -3700

MID-COURSE EXECUTION ACCURACY

SGT 3589.3 SGR 953.4 SG3 1151.5
 RRT .9684 RRF .9863 RTF .9795
 SGB 3713.7 R23 .1358 R13 .9818
 SG1 3706.6 SG2 230.2 THA 14.48

ORBIT DETERMINATION ACCURACY

ST 1829.4 SR 409.6 SS 2166.8
 CRT .9824 CRS -.9941 CST -.9967
 LSA 2862.4 MSA 126.7 SSA 10.8
 EL1 1873.2 EL2 74.7 ALF 12.42

LAUNCH DATE MAY 30 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 459.219

RL 151.64 LAL .00 LOL 247.92 VL 26.908 GAL 1.53 AZL 92.36 HCA 206.52 SMA 129.32 ECC .17468 INC 2.3566 V1 29.380
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.948 GAP 2.83 AZP 87.89 TAL 172.72 TAP 19.24 RCA 106.73 APO 151.90 V2 35.212
 RC 105.723 GL -23.52 GP -12.44 ZAL 80.90 ZAP 125.90 ETS 351.92 ZAE 144.04 ETE 194.84 ZAC 119.68 ETC 10.54 CLP-126.90

PLANETOCENTRIC CONIC

C3 7.681 VHL 2.772 DLA -16.82 RAL 159.47 RAD 6567.3 VEL 11.361 PTH 1.96 VHP 3.436 DPA 3.58 RAP 146.77 ECC 1.1264
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 59 1459.48 3.07 357.64 7.88 118.16 8 12 18 859.5 6.82 350.96
 90.00 15 13 44 5207.92 26.23 233.81 11.45 78.92 16 40 31 4607.9 24.43 225.60
 100.00 8 59 45 1227.91 2.19 340.13 7.39 119.82 9 20 13 627.9 6.14 333.57
 100.00 16 44 39 4914.73 27.22 212.01 11.21 77.14 18 6 33 4314.7 25.18 203.80
 110.00 9 46 51 1080.32 -.06 327.53 5.98 124.18 10 4 52 480.3 4.43 321.32
 110.00 18 14 1 4635.08 29.77 189.98 10.42 72.37 19 31 16 4035.1 27.07 181.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9917 TRA .4045 TC3-5.6877 BAU .5963 SGT 3860.8 SGR 811.6 SG3 1092.6 ST 2069.0 SR 331.0 SS 2202.4
 RDE -.1502 RRA .1745 RC3-1.1695 FAU .14546 RRT .9605 RRF .9758 RTF .9805 CRT .9754 CRS -.9890 CST -.9972
 FDE-3.5135 FRA 2.2954 FC-16.3944 BSP 12124 SGB 3945.2 R23 .1110 R13 .9819 LSA 3037.2 MSA 127.8 SSA 11.7
 BDE 1.0030 BRA .4406 BC3 5.8066 FSP -3523 SG1 3939.0 SG2 221.5 THA 11.45 EL1 2094.1 EL2 72.1 ALF 8.88

LAUNCH DATE MAY 30 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 465.422

RL 151.64 LAL .00 LOL 247.92 VL 26.891 GAL 1.69 AZL 92.48 HCA 209.76 SMA 129.20 ECC .17613 INC 2.4839 V1 29.380
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.943 GAP 3.22 AZP 87.84 TAL 172.05 TAP 21.81 RCA 106.44 APO 151.96 V2 35.220
 RC 107.975 GL -24.33 GP -10.80 ZAL 79.58 ZAP 129.53 ETS 352.06 ZAE 142.13 ETE 191.92 ZAC 119.64 ETC 11.45 CLP-130.39

PLANETOCENTRIC CONIC

C3 7.993 VHL 2.827 DLA -18.13 RAL 160.44 RAD 6567.3 VEL 11.375 PTH 1.96 VHP 3.553 DPA 5.21 RAP 147.06 ECC 1.1315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 0 1416.82 4.44 355.25 9.58 118.00 8 28 37 816.8 8.15 348.54
 90.00 15 4 29 5265.17 26.91 237.86 13.42 80.84 16 32 15 4665.2 25.37 229.53
 100.00 9 15 34 1189.09 3.50 337.99 9.06 119.71 9 35 23 589.1 7.43 331.41
 100.00 16 36 36 4968.13 27.97 215.80 13.21 79.00 17 59 24 4368.1 26.17 207.46
 110.00 10 0 17 1048.99 1.14 325.90 7.59 124.17 10 17 46 449.0 5.61 319.67
 110.00 18 8 23 4681.00 30.67 193.25 12.47 74.12 19 26 24 4081.0 28.19 184.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1171 TRA .4705 TC3-5.8017 BAU .6290 SGT 4110.1 SGR 703.2 SG3 1028.5 ST 2285.9 SR 262.7 SS 2208.3
 RDE -.1187 RRA .1628 RC3 -.9943 FAU .13554 RRT .9471 RRF .9597 RTF .9812 CRT .9619 CRS -.9784 CST -.9975
 FDE-3.4754 FRA 2.2584 FC-14.6813 BSP 12862 SGB 4169.9 R23 .0861 R13 .9820 LSA 3186.6 MSA 128.0 SSA 12.6
 BDE 1.1234 BRA .4979 BC3 5.8863 FSP -3320 SG1 4163.9 SG2 222.8 THA 9.23 EL1 2299.9 EL2 71.4 ALF 6.31

LAUNCH DATE MAY 30 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 471.606

RL 151.64 LAL .00 LOL 247.92 VL 26.873 GAL 1.86 AZL 92.59 HCA 213.00 SMA 129.08 ECC .17775 INC 2.5883 V1 29.380
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.937 GAP 3.61 AZP 87.83 TAL 171.34 TAP 24.34 RCA 106.13 APO 152.02 V2 35.227
 RC 110.226 GL -24.88 GP -9.47 ZAL 78.18 ZAP 132.88 ETS 352.20 ZAE 140.30 ETE 189.79 ZAC 119.38 ETC 12.18 CLP-133.62

PLANETOCENTRIC CONIC

C3 8.311 VHL 2.883 DLA -19.23 RAL 161.60 RAD 6567.3 VEL 11.389 PTH 1.97 VHP 3.683 DPA 6.47 RAP 147.50 ECC 1.1368
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 15 1380.36 5.60 353.20 11.45 117.80 8 44 16 780.4 9.28 346.45
 90.00 14 57 27 5316.15 27.41 241.51 15.52 82.61 16 26 3 4716.2 26.10 233.08
 100.00 9 30 42 1156.29 4.60 336.18 10.90 119.57 9 49 58 556.3 8.51 329.57
 100.00 16 30 42 5015.46 28.54 219.20 15.33 80.71 17 54 18 4415.5 26.96 210.75
 110.00 10 13 12 1023.11 2.13 324.55 9.36 124.12 10 30 15 423.1 6.59 318.30
 110.00 18 4 42 4721.39 31.39 196.18 14.65 75.72 19 23 23 4121.4 29.11 187.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2364 TRA .5431 TC3-5.8827 BAU .6606 SGT 4341.6 SGR 620.6 SG3 964.0 ST 2483.2 SR 204.2 SS 2193.6
 RDE -.0899 RRA .1548 RC3 -.8621 FAU .12582 RRT .9269 RRF .9367 RTF .9817 CRT .9349 CRS -.9560 CST -.9978
 FDE-3.3935 FRA 2.2231 FC-13.1062 BSP 13585 SGB 4385.7 R23 .0644 R13 .9821 LSA 3317.1 MSA 128.1 SSA 13.4
 BDE 1.2396 BRA .5647 BC3 5.9455 FSP -3123 SG1 4379.6 SG2 230.9 THA 7.57 EL1 2490.5 EL2 72.3 ALF 4.40

LAUNCH DATE MAY 30 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 477.770

RL 151.64 LAL .00 LOL 247.92 VL 26.853 GAL 2.04 AZL 92.68 HCA 216.24 SMA 128.94 ECC .17953 INC 2.6760 V1 29.380
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.929 GAP 4.00 AZP 87.84 TAL 170.59 TAP 26.83 RCA 105.79 APO 152.09 V2 35.233
 RC 112.475 GL -25.23 GP -8.39 ZAL 76.71 ZAP 135.97 ETS 352.32 ZAE 138.59 ETE 188.21 ZAC 118.93 ETC 12.77 CLP-136.62

PLANETOCENTRIC CONIC

C3 8.643 VHL 2.940 DLA -20.17 RAL 162.90 RAD 6567.3 VEL 11.403 PTH 1.97 VHP 3.825 DPA 7.41 RAP 148.08 ECC 1.1422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 2 1348.56 6.61 351.41 13.48 117.60 8 59 31 748.6 10.25 344.63
 90.00 14 52 6 5362.73 27.78 244.87 17.73 84.25 16 21 28 4762.7 26.69 236.37
 100.00 9 45 22 1128.06 5.55 334.62 12.90 119.42 10 4 10 528.1 9.43 327.98
 100.00 16 26 27 5058.47 28.97 222.32 17.57 82.29 17 50 45 4458.5 27.60 213.79
 110.00 10 25 47 1001.42 2.96 323.41 11.29 124.07 10 42 28 401.4 7.41 317.15
 110.00 18 2 32 4757.87 31.97 198.87 16.94 77.21 19 21 50 4157.9 29.88 190.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3508 TRA .6225 TC3-5.9233 BAU .6900 SGT 4553.1 SGR 557.3 SG3 900.2 ST 2663.0 SR 155.6 SS 2165.7
 RDE -.0636 RRA .1495 RC3 -.7584 FAU .11622 RRT .8988 RRF .9055 RTF .9819 CRT .8780 CRS -.9060 CST -.9980
 FDE-3.2870 FRA 2.1894 FC-11.6408 BSP 14261 SGB 4587.1 R23 .0466 R13 .9822 LSA 3433.6 MSA 128.0 SSA 14.3
 BDE 1.3523 BRA .6402 BC3 5.9716 FSP -2924 SG1 4580.7 SG2 242.8 THA 6.30 EL1 2666.5 EL2 74.4 ALF 2.94

LAUNCH DATE MAY 30 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 483.913

RL 151.64 LAL .00 LOL 247.92 VL 26.832 GAL 2.24 AZL 92.75 HCA 219.49 SMA 128.80 ECC .18148 INC 2.7512 V1 29.380
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.919 GAP 4.38 AZP 87.88 TAL 169.80 TAP 29.29 RCA 105.43 APO 152.18 V2 35.239
 RC 114.720 GL -25.41 GP -7.49 ZAL 75.18 ZAP 138.83 ETS 352.42 ZAE 137.03 ETE 187.02 ZAC 118.29 ETC 13.23 CLP-139.40

PLANETOCENTRIC CONIC

C3 8.996 VHL 2.999 DLA -21.00 RAL 164.34 RAD 6567.3 VEL 11.419 PTH 1.98 VHP 3.976 DPA 8.11 RAP 148.81 ECC 1.1481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 31 1320.48 7.49 349.82 15.65 117.39 9 14 31 720.5 11.10 343.00
 90.00 14 48 4 5406.13 28.03 248.02 20.05 85.81 16 18 10 4806.1 27.16 239.46
 100.00 9 59 45 1103.50 6.37 333.26 15.04 119.27 10 18 8 503.5 10.22 326.59
 100.00 16 23 31 5098.34 29.30 225.24 19.92 83.80 17 48 29 4498.3 28.13 216.63
 110.00 10 38 9 983.11 3.65 322.46 13.36 124.01 10 54 32 383.1 8.09 316.18
 110.00 18 1 36 4791.49 32.45 201.37 19.35 78.62 19 21 27 4191.5 30.54 192.67

DIFFERENTIAL CORRECTIONS

TOE-1.4575 TRA .7131 TC3-5.9152 BAU .7160
 RDE -.0389 RRA .1467 RC3 -.6738 FAU .10664
 FDE-3.1543 FRA 2.1704 FC-10.2619 BSP 14815
 BDE 1.4580 BRA .7281 BC3 5.9534 FSP -2713

MID-COURSE EXECUTION ACCURACY

SGT 4740.4 SGR 508.9 SG3 837.3
 RRT .8618 RRF .8655 RTF .9817
 SGB 4767.7 R23 .0336 R13 .9819
 SG1 4760.7 SG2 257.1 THA 5.30

ORBIT DETERMINATION ACCURACY

ST 2820.4 SR 117.4 SS 2121.1
 CRT .7476 CRS -.7863 CST -.9981
 LSA 3528.5 MSA 129.0 SSA 15.0
 EL1 2821.7 EL2 77.9 ALF 1.78

LAUNCH DATE MAY 30 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 490.035

RL 151.64 LAL .00 LOL 247.92 VL 26.810 GAL 2.45 AZL 92.82 HCA 222.73 SMA 128.65 ECC .18360 INC 2.8167 V1 29.380
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.908 GAP 4.77 AZP 87.93 TAL 168.98 TAP 31.71 RCA 105.03 APO 152.27 V2 35.244
 RC 116.961 GL -25.46 GP -6.74 ZAL 73.59 ZAP 141.48 ETS 352.49 ZAE 135.60 ETE 186.12 ZAC 117.49 ETC 13.59 CLP-141.98

PLANETOCENTRIC CONIC

C3 9.377 VHL 3.062 DLA -21.73 RAL 165.88 RAD 6567.3 VEL 11.435 PTH 1.98 VHP 4.136 DPA 8.61 RAP 149.68 ECC 1.1543
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 7 45 1295.55 8.27 348.40 17.95 117.18 9 29 21 695.5 11.85 341.55
 90.00 14 45 8 5447.11 28.20 251.00 22.48 87.30 16 15 55 4847.1 27.53 242.40
 100.00 10 13 54 1082.08 7.08 332.07 17.31 119.12 10 31 56 482.1 10.91 325.37
 100.00 16 21 41 5135.81 29.54 228.00 22.38 85.23 17 47 17 4535.8 28.57 219.33
 110.00 10 50 23 967.74 4.24 321.65 15.56 123.95 11 6 30 367.7 8.67 315.36
 110.00 18 1 42 4822.92 32.85 203.74 21.87 79.96 19 22 5 4222.9 31.12 194.94

DIFFERENTIAL CORRECTIONS

TOE-1.5642 TRA .8074 TC3-5.8892 BAU .7422
 RDE -.0164 RRA .1449 RC3 -.6069 FAU .09818
 FDE-3.0280 FRA 2.1418 FC3-9.0646 BSP 15418
 BDE 1.5643 BRA .8203 BC3 5.9204 FSP -2537

MID-COURSE EXECUTION ACCURACY

SGT 4921.3 SGR 473.5 SG3 780.1
 RRT .8174 RRF .8177 RTF .9816
 SGB 4944.0 R23 .0222 R13 .9817
 SG1 4936.5 SG2 271.9 THA 4.51

ORBIT DETERMINATION ACCURACY

ST 2969.1 SR 93.4 SS 2077.7
 CRT .4821 CRS -.5321 CST -.9982
 LSA 3622.8 MSA 129.2 SSA 15.7
 EL1 2969.5 EL2 81.8 ALF .87

LAUNCH DATE MAY 30 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 496.135

RL 151.64 LAL .00 LOL 247.92 VL 26.787 GAL 2.68 AZL 92.87 HCA 225.98 SMA 128.50 ECC .18589 INC 2.8746 V1 29.380
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.896 GAP 5.16 AZP 88.00 TAL 168.12 TAP 34.10 RCA 104.61 APO 152.39 V2 35.248
 RC 119.197 GL -25.40 GP -6.11 ZAL 71.94 ZAP 143.94 ETS 352.53 ZAE 134.31 ETE 185.41 ZAC 116.54 ETC 13.86 CLP-144.39

PLANETOCENTRIC CONIC

C3 9.791 VHL 3.129 DLA -22.38 RAL 167.52 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 4.303 DPA 8.94 RAP 150.69 ECC 1.1611
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 22 49 1273.41 8.95 347.13 20.37 116.98 9 44 3 673.4 12.50 340.25
 90.00 14 43 9 5486.24 28.29 253.86 25.00 88.73 16 14 35 4886.2 27.82 245.23
 100.00 10 27 52 1063.48 7.69 331.03 19.69 118.97 10 45 35 463.5 11.50 324.31
 100.00 16 20 48 5171.39 29.72 230.63 24.93 86.60 17 46 59 4571.4 28.93 221.92
 110.00 11 2 28 954.99 4.72 320.98 17.87 123.89 11 18 23 355.0 9.14 314.68
 110.00 18 2 41 4852.65 33.18 205.99 24.50 81.26 19 23 33 4252.6 31.62 197.11

DIFFERENTIAL CORRECTIONS

TOE-1.6664 TRA .9103 TC3-5.8279 BAU .7662
 RDE -.0050 RRA .1442 RC3 -.5505 FAU .09020
 FDE-2.8962 FRA 2.1178 FC3-7.9762 BSP 15966
 BDE 1.6664 BRA .9216 BC3 5.8538 FSP -2371

MID-COURSE EXECUTION ACCURACY

SGT 5085.4 SGR 447.6 SG3 726.1
 RRT .7660 RRF .7628 RTF .9815
 SGB 5105.1 R23 .0133 R13 .9815
 SG1 5097.0 SG2 287.1 THA 3.87

ORBIT DETERMINATION ACCURACY

ST 3100.8 SR 86.8 SS 2027.3
 CRT .0732 CRS -.1291 CST -.9983
 LSA 3703.4 MSA 130.0 SSA 16.1
 EL1 3100.8 EL2 86.5 ALF .12

LAUNCH DATE MAY 30 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 502.213

RL 151.64 LAL .00 LOL 247.92 VL 26.763 GAL 2.92 AZL 92.93 HCA 229.22 SMA 128.34 ECC .18837 INC 2.9265 V1 29.380
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.882 GAP 5.55 AZP 88.09 TAL 167.23 TAP 36.46 RCA 104.16 APO 152.52 V2 35.252
 RC 121.426 GL -25.24 GP -5.57 ZAL 70.26 ZAP 146.24 ETS 352.54 ZAE 133.15 ETE 184.86 ZAC 115.46 ETC 14.05 CLP-146.65

PLANETOCENTRIC CONIC

C3 10.245 VHL 3.201 DLA -22.97 RAL 169.24 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 4.478 DPA 9.12 RAP 151.81 ECC 1.1686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 37 43 1253.88 9.56 346.01 22.90 116.78 9 58 37 653.9 13.08 339.10
 90.00 14 42 0 5523.84 28.32 256.61 27.62 90.11 16 14 4 4923.8 28.03 247.96
 100.00 10 41 39 1047.53 8.22 330.14 22.19 118.84 10 59 6 447.5 12.01 323.39
 100.00 16 20 45 5205.42 29.83 233.16 27.59 87.93 17 47 31 4605.4 29.22 224.40
 110.00 11 14 26 944.72 5.11 320.44 20.28 123.84 11 30 11 344.7 9.52 314.13
 110.00 18 4 27 4881.00 33.45 208.16 27.23 82.52 19 25 48 4281.0 32.06 199.21

DIFFERENTIAL CORRECTIONS

TOE-1.7658 TRA 1.0223 TC3-5.7351 BAU .7885
 RDE .0254 RRA .1444 RC3 -.5019 FAU .08277
 FDE-2.7657 FRA 2.0984 FC3-6.9941 BSP 16466
 BDE 1.7660 BRA 1.0324 BC3 5.7570 FSP -2213

MID-COURSE EXECUTION ACCURACY

SGT 5236.5 SGR 429.1 SG3 675.9
 RRT .7093 RRF .7026 RTF .9812
 SGB 5254.0 R23 .0062 R13 .9812
 SG1 5245.3 SG2 302.0 THA 3.34

ORBIT DETERMINATION ACCURACY

ST 3218.6 SR 96.2 SS 1973.6
 CRT -.2989 CRS .2463 CST -.9984
 LSA 3774.5 MSA 131.3 SSA 16.8
 EL1 3218.8 EL2 91.8 ALF 179.49

LAUNCH DATE MAY 30 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 508.267

RL 151.64 LAL .00 LOL 247.92 VL 26.738 GAL 3.18 AZL 92.97 HCA 232.47 SMA 128.17 ECC .19104 INC 2.9737 V1 29.380
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.867 GAP 5.95 AZP 88.19 TAL 166.32 TAP 38.79 RCA 103.69 APO 152.66 V2 35.255
 RC 123.648 GL -24.99 GP -5.10 ZAL 68.53 ZAP 148.39 ETS 352.52 ZAE 132.10 ETE 184.41 ZAC 114.25 ETC 14.18 CLP-148.76

PLANETOCENTRIC CONIC

C3 10.745 VHL 3.278 DLA -23.49 RAL 171.04 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 4.659 DPA 9.17 RAP 153.05 ECC 1.1768
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 24 1236.90 10.07 345.04 25.53 116.60 10 13 1 636.9 13.57 338.10
 90.00 14 41 36 5560.12 28.28 259.27 30.32 91.44 16 14 16 4960.1 28.18 250.60
 100.00 10 55 13 1034.15 8.66 329.38 24.78 118.72 11 12 27 434.1 12.43 322.62
 100.00 16 21 29 5238.11 29.88 235.58 30.33 89.20 17 48 47 4638.1 29.45 226.81
 110.00 11 26 15 936.83 5.41 320.03 22.79 123.80 11 41 52 336.8 9.82 313.70
 110.00 18 6 56 4908.19 33.67 210.25 30.06 83.74 19 28 44 4308.2 32.44 201.24

DIFFERENTIAL CORRECTIONS

TDE-1.8603 TRA 1.1453 TC3-5.6054 BAU .8079
 RDE .0455 RRA .1454 RC3 -.4585 FAU .07566
 FDE-2.6335 FRA 2.0856 FC3-6.0955 BSP 16875
 BDE 1.8609 BRA 1.1545 BC3 5.6241 FSP -2058

MID-COURSE EXECUTION ACCURACY

SGT 5370.5 SGR 416.4 SG3 628.7
 RRT .6488 RRF .6391 RTF .9807
 SGB 5386.6 R23 .0008 R13 .9807
 SG1 5377.3 SG2 316.5 THA 2.89

ORBIT DETERMINATION ACCURACY

ST 3318.7 SR 115.3 SS 1914.5
 CRT -.5301 CRS .4840 CST -.9985
 LSA 3830.7 MSA 133.6 SSA 17.2
 EL1 3319.3 EL2 97.8 ALF 178.94

LAUNCH DATE MAY 30 1967

FLIGHT TIME 184.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 514.297

RL 151.64 LAL .00 LOL 247.92 VL 26.712 GAL 3.45 AZL 93.02 HCA 235.72 SMA 128.01 ECC .19392 INC 3.0168 V1 29.380
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.851 GAP 6.35 AZP 88.30 TAL 165.37 TAP 41.09 RCA 103.18 APO 152.83 V2 35.257
 RC 125.861 GL -24.67 GP -4.70 ZAL 66.78 ZAP 150.40 ETS 352.46 ZAE 131.15 ETE 184.05 ZAC 112.94 ETC 14.26 CLP-150.75

PLANETOCENTRIC CONIC

C3 11.300 VHL 3.362 DLA -23.95 RAL 172.88 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 4.846 DPA 9.12 RAP 154.38 ECC 1.1860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 49 1222.51 10.51 344.21 28.26 116.44 10 27 12 622.5 13.98 337.25
 90.00 14 41 55 5595.19 28.20 261.83 33.11 92.72 16 15 11 4995.2 28.28 253.16
 100.00 11 8 31 1023.36 9.01 328.78 27.46 118.62 11 25 34 423.4 12.76 322.00
 100.00 16 22 55 5269.57 29.89 237.92 33.17 90.44 17 50 44 4669.6 29.63 229.13
 110.00 11 37 52 931.33 5.62 319.74 25.39 123.77 11 53 23 331.3 10.02 313.41
 110.00 18 10 3 4934.37 33.85 212.28 32.98 84.92 19 32 18 4334.4 32.78 203.20

DIFFERENTIAL CORRECTIONS

TDE-1.9560 TRA 1.2746 TC3-5.4631 BAU .8278
 RDE .0648 RRA .1465 RC3 -.4203 FAU .06942
 FDE-2.5138 FRA 2.0694 FC3-5.3186 BSP 17331
 BDE 1.9570 BRA 1.2830 BC3 5.4792 FSP -1928

MID-COURSE EXECUTION ACCURACY

SGT 5500.5 SGR 408.3 SG3 586.2
 RRT .5873 RRF .5744 RTF .9804
 SGB 5515.6 R23 -.0043 R13 .9804
 SG1 5505.7 SG2 330.1 THA 2.51

ORBIT DETERMINATION ACCURACY

ST 3411.0 SR 137.8 SS 1859.0
 CRT -.6573 CRS .6172 CST -.9986
 LSA 3884.8 MSA 135.7 SSA 17.4
 EL1 3412.2 EL2 103.8 ALF 178.48

LAUNCH DATE MAY 30 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 520.301

RL 151.64 LAL .00 LOL 247.92 VL 26.686 GAL 3.74 AZL 93.06 HCA 238.97 SMA 127.83 ECC .19700 INC 3.0568 V1 29.380
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.834 GAP 6.75 AZP 88.42 TAL 164.40 TAP 43.37 RCA 102.65 APO 153.01 V2 35.258
 RC 128.066 GL -24.29 GP -4.35 ZAL 65.00 ZAP 152.30 ETS 352.37 ZAE 130.29 ETE 183.76 ZAC 111.53 ETC 14.30 CLP-152.62

PLANETOCENTRIC CONIC

C3 11.916 VHL 3.452 DLA -24.36 RAL 174.78 RAD 6567.5 VEL 11.546 PTH 2.02 VHP 5.041 DPA 8.97 RAP 155.80 ECC 1.1961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 20 56 1210.79 10.87 343.53 31.07 116.31 10 41 7 610.8 14.32 336.55
 90.00 14 42 56 5629.07 28.06 264.30 35.98 93.95 16 16 45 5029.1 28.32 255.64
 100.00 11 21 31 1015.21 9.28 328.32 30.23 118.54 11 38 26 415.2 13.02 321.53
 100.00 16 25 2 5299.88 29.85 240.18 36.08 91.62 17 53 22 4699.9 29.76 231.37
 110.00 11 49 15 928.20 5.74 319.57 28.07 123.76 12 4 44 328.2 10.13 313.24
 110.00 18 13 47 4959.66 33.98 214.24 35.98 86.08 19 36 26 4359.7 33.07 205.12

DIFFERENTIAL CORRECTIONS

TDE-2.0492 TRA 1.4140 TC3-5.2957 BAU .8459
 RDE .0841 RRA .1478 RC3 -.3852 FAU .06361
 FDE-2.3976 FRA 2.0565 FC3-4.6213 BSP 17736
 BDE 2.0509 BRA 1.4217 BC3 5.3097 FSP -1805

MID-COURSE EXECUTION ACCURACY

SGT 5618.9 SGR 403.4 SG3 546.8
 RRT .5255 RRF .5098 RTF .9801
 SGB 5633.4 R23 -.0083 R13 .9801
 SG1 5623.0 SG2 343.0 THA 2.17

ORBIT DETERMINATION ACCURACY

ST 3489.6 SR 161.5 SS 1801.6
 CRT -.7304 CRS .6948 CST -.9986
 LSA 3928.1 MSA 138.5 SSA 17.5
 EL1 3491.6 EL2 110.3 ALF 178.06

LAUNCH DATE MAY 30 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 526.277

RL 151.64 LAL .00 LOL 247.92 VL 26.659 GAL 4.05 AZL 93.09 HCA 242.21 SMA 127.65 ECC .20031 INC 3.0941 V1 29.380
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.816 GAP 7.16 AZP 88.56 TAL 163.41 TAP 45.63 RCA 102.08 APO 153.23 V2 35.259
 RC 130.261 GL -23.85 GP -4.05 ZAL 63.21 ZAP 154.10 ETS 352.24 ZAE 129.52 ETE 183.52 ZAC 110.03 ETC 14.30 CLP-154.40

PLANETOCENTRIC CONIC

C3 12.603 VHL 3.550 DLA -24.71 RAL 176.71 RAD 6567.5 VEL 11.575 PTH 2.02 VHP 5.243 DPA 8.73 RAP 157.30 ECC 1.2074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 34 38 1201.87 11.14 343.01 33.95 116.20 10 54 40 601.9 14.57 336.01
 90.00 14 44 38 5661.73 27.89 266.67 38.91 95.13 16 18 59 5061.7 28.31 258.03
 100.00 11 34 8 1009.79 9.45 328.01 33.06 118.49 11 50 58 409.8 13.19 321.21
 100.00 16 27 49 5329.05 29.78 242.34 39.06 92.76 17 56 38 4729.0 29.84 233.54
 110.00 12 0 22 927.48 5.77 319.53 30.82 123.75 12 15 50 327.5 10.16 313.20
 110.00 18 18 4 4984.12 34.08 216.14 39.06 87.20 19 41 8 4384.1 33.32 206.99

DIFFERENTIAL CORRECTIONS

TDE-2.1410 TRA 1.5629 TC3-5.1083 BAU .8627
 RDE .1035 RRA .1491 RC3 -.3525 FAU .05825
 FDE-2.2879 FRA 2.0450 FC3-4.0017 BSP 18124
 BDE 2.1435 BRA 1.5700 BC3 5.1204 FSP -1693

MID-COURSE EXECUTION ACCURACY

SGT 5727.6 SGR 400.9 SG3 510.5
 RRT .4644 RRF .4463 RTF .9797
 SGB 5741.6 R23 -.0118 R13 .9797
 SG1 5730.6 SG2 354.8 THA 1.87

ORBIT DETERMINATION ACCURACY

ST 3556.1 SR 185.1 SS 1744.4
 CRT -.7749 CRS .7427 CST -.9987
 LSA 3962.7 MSA 141.8 SSA 17.5
 EL1 3559.0 EL2 116.9 ALF 177.69

LAUNCH DATE MAY 30 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 532.225

RL 151.64 LAL .00 LOL 247.92 VL 26.631 GAL 4.37 AZL 93.13 HCA 245.46 SMA 127.47 ECC .20386 INC 3.1293 V1 29.380
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.796 GAP 7.57 AZP 88.70 TAL 162.40 TAP 47.86 RCA 101.49 APO 153.46 V2 35.259
 RC 132.447 GL -23.36 GP -3.78 ZAL 61.41 ZAP 155.80 ETS 352.08 ZAE 128.83 ETE 183.31 ZAC 108.45 ETC 14.28 CLP-156.08

PLANETOCENTRIC CONIC

C3 13.369 VHL 3.656 DLA -25.02 RAL 178.66 RAD 6567.5 VEL 11.608 PTH 2.03 VHP 5.452 DPA 8.42 RAP 158.87 ECC 1.2200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 47 51 1195.93 11.31 342.66 36.89 116.13 11 7 47 595.9 14.74 335.66
 90.00 14 47 0 5693.11 27.67 268.94 41.91 96.25 16 21 53 5093.1 28.25 260.32
 100.00 11 46 19 1007.19 9.54 327.87 35.96 118.46 12 3 6 407.2 13.27 321.06
 100.00 16 31 14 5357.07 29.67 244.42 42.11 93.85 18 0 31 4757.1 29.88 235.62
 110.00 12 11 10 929.20 5.70 319.62 33.62 123.76 12 26 40 329.2 10.10 313.29
 110.00 18 22 52 5007.83 34.15 217.99 42.21 88.29 19 46 19 4407.8 33.53 208.80

DIFFERENTIAL CORRECTIONS

TDE-2.2313 TRA 1.7229 TC3-4.9034 BAU .8783
 RDE .1230 RRA .1503 RC3 -.3218 FAU .05330
 FDE-2.1835 FRA 2.0367 FC3-3.4512 BSP 18479
 BDE 2.2347 BRA 1.7294 BC3 4.9139 FSP -1589

MID-COURSE EXECUTION ACCURACY

SGT 5827.5 SGR 400.1 SG3 477.0
 RRT .4049 RRF .3847 RTF .9793
 SGB 5841.2 R23 -.0147 R13 .9792
 SG1 5829.8 SG2 365.7 THA 1.60

ORBIT DETERMINATION ACCURACY

ST 3610.5 SR 208.0 SS 1687.2
 CRT -.8034 CRS .7738 CST -.9988
 LSA 3988.0 MSA 145.6 SSA 17.4
 EL1 3614.4 EL2 123.7 ALF 177.35

LAUNCH DATE MAY 30 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 538.142

RL 151.64 LAL .00 LOL 247.92 VL 26.603 GAL 4.72 AZL 93.16 HCA 248.71 SMA 127.29 ECC .20767 INC 3.1626 V1 29.380
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.776 GAP 8.00 AZP 88.85 TAL 161.37 TAP 50.08 RCA 100.86 APO 153.73 V2 35.258
 RC 134.624 GL -22.82 GP -3.54 ZAL 59.61 ZAP 157.42 ETS 351.87 ZAE 128.20 ETE 183.13 ZAC 106.80 ETC 14.24 CLP-157.69

PLANETOCENTRIC CONIC

C3 14.226 VHL 3.772 DLA -25.28 RAL 180.63 RAD 6567.6 VEL 11.645 PTH 2.04 VHP 5.669 DPA 8.04 RAP 160.50 ECC 1.2341
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 0 30 1193.13 11.40 342.50 39.89 116.10 11 20 23 593.1 14.82 335.49
 90.00 14 50 5 5723.10 27.43 271.10 44.97 97.31 16 25 28 5123.1 28.16 262.51
 100.00 11 57 59 1007.53 9.53 327.88 38.90 118.47 12 14 46 407.5 13.26 321.08
 100.00 16 35 17 5383.94 29.53 246.40 45.22 94.88 18 5 1 4783.9 29.89 237.62
 110.00 12 21 36 933.40 5.54 319.84 36.48 123.78 12 37 10 333.4 9.94 313.52
 110.00 18 28 9 5030.83 34.18 219.79 45.42 89.35 19 51 59 4430.8 33.71 210.57

DIFFERENTIAL CORRECTIONS

TDE-2.3173 TRA 1.8971 TC3-4.6738 BAU .8906
 RDE .1430 RRA .1513 RC3 -.2923 FAU .04851
 FDE-2.0810 FRA 2.0340 FC3-2.9523 BSP 18733
 BDE 2.3217 BRA 1.9031 BC3 4.6829 FSP -1484

MID-COURSE EXECUTION ACCURACY

SGT 5914.4 SGR 400.5 SG3 445.9
 RRT .3475 RRF .3257 RTF .9787
 SGB 5927.9 R23 -.0168 R13 .9787
 SG1 5916.0 SG2 375.5 THA 1.35

ORBIT DETERMINATION ACCURACY

ST 3649.3 SR 230.3 SS 1628.1
 CRT -.8222 CRS .7942 CST -.9988
 LSA 3999.8 MSA 150.3 SSA 17.2
 EL1 3654.2 EL2 130.9 ALF 177.03

LAUNCH DATE MAY 30 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 544.025

RL 151.64 LAL .00 LOL 247.92 VL 26.575 GAL 5.09 AZL 93.19 HCA 251.96 SMA 127.11 ECC .21175 INC 3.1946 V1 29.380
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.754 GAP 8.43 AZP 89.01 TAL 160.32 TAP 52.28 RCA 100.19 APO 154.02 V2 35.256
 RC 136.791 GL -22.24 GP -3.34 ZAL 57.82 ZAP 158.97 ETS 351.62 ZAE 127.62 ETE 182.98 ZAC 105.09 ETC 14.18 CLP-159.22

PLANETOCENTRIC CONIC

C3 15.185 VHL 3.897 DLA -25.49 RAL 182.61 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 5.894 DPA 7.60 RAP 162.18 ECC 1.2499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 12 28 1193.69 11.38 342.53 42.92 116.10 11 32 21 593.7 14.80 335.52
 90.00 14 53 52 5751.59 27.17 273.15 48.08 98.30 16 29 44 5151.6 28.04 264.59
 100.00 12 9 5 1010.89 9.42 328.07 41.89 118.50 12 25 55 410.9 13.15 321.28
 100.00 16 39 56 5409.62 29.36 248.29 48.39 95.86 18 10 6 4809.6 29.87 239.53
 110.00 12 31 38 940.12 5.29 320.20 39.37 123.82 12 47 18 340.1 9.69 313.88
 110.00 18 33 52 5053.15 34.18 221.53 48.70 90.39 19 58 5 4453.2 33.86 212.30

DIFFERENTIAL CORRECTIONS

TDE-2.4062 TRA 2.0791 TC3-4.4432 BAU .9036
 RDE .1632 RRA .1518 RC3 -.2648 FAU .04430
 FDE-1.9895 FRA 2.0289 FC3-2.5255 BSP 19055
 BDE 2.4117 BRA 2.0847 BC3 4.4510 FSP -1397

MID-COURSE EXECUTION ACCURACY

SGT 5998.2 SGR 401.6 SG3 417.5
 RRT .2918 RRF .2687 RTF .9783
 SGB 6011.6 R23 -.0188 R13 .9783
 SG1 5999.3 SG2 384.1 THA 1.12

ORBIT DETERMINATION ACCURACY

ST 3682.4 SR 251.2 SS 1573.3
 CRT -.8355 CRS .8091 CST -.9988
 LSA 4009.3 MSA 154.8 SSA 17.0
 EL1 3688.4 EL2 137.8 ALF 176.73

LAUNCH DATE MAY 30 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 549.873

RL 151.64 LAL .00 LOL 247.92 VL 26.546 GAL 5.48 AZL 93.23 HCA 255.20 SMA 126.92 ECC .21613 INC 3.2254 V1 29.380
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.732 GAP 8.88 AZP 89.18 TAL 159.26 TAP 54.47 RCA 99.49 APO 154.35 V2 35.254
 RC 138.949 GL -21.64 GP -3.15 ZAL 56.04 ZAP 160.45 ETS 351.32 ZAE 127.10 ETE 182.84 ZAC 103.32 ETC 14.11 CLP-160.69

PLANETOCENTRIC CONIC

C3 16.260 VHL 4.032 DLA -25.66 RAL 184.58 RAD 6567.7 VEL 11.732 PTH 2.07 VHP 6.129 DPA 7.11 RAP 163.91 ECC 1.2676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 23 41 1197.75 11.26 342.77 45.99 116.15 11 43 38 597.7 14.69 335.77
 90.00 14 58 22 5778.48 26.89 275.07 51.24 99.22 16 34 41 5178.5 27.89 266.54
 100.00 12 19 33 1017.36 9.21 328.44 44.91 118.57 12 36 30 417.4 12.95 321.65
 100.00 16 45 12 5434.10 29.18 250.09 51.61 96.79 18 15 46 4834.1 29.81 241.34
 110.00 12 41 13 949.36 4.94 320.68 42.30 123.87 12 57 2 349.4 9.35 314.38
 110.00 18 40 1 5074.87 34.16 223.23 52.02 91.39 19 4 35 4474.9 33.97 213.99

DIFFERENTIAL CORRECTIONS

TDE-2.4941 TRA 2.2734 TC3-4.2021 BAU .9149
 RDE .1839 RRA .1517 RC3 -.2385 FAU .04036
 FDE-1.9030 FRA 2.0260 FC3-2.1487 BSP 19339
 BDE 2.5009 BRA 2.2784 BC3 4.2089 FSP -1315

MID-COURSE EXECUTION ACCURACY

SGT 6073.5 SGR 403.1 SG3 391.3
 RRT .2381 RRF .2139 RTF .9779
 SGB 6086.8 R23 -.0205 R13 .9779
 SG1 6074.2 SG2 391.5 THA .91

ORBIT DETERMINATION ACCURACY

ST 3704.7 SR 271.1 SS 1519.4
 CRT -.8448 CRS .8198 CST -.9989
 LSA 4010.2 MSA 159.6 SSA 16.7
 EL1 3711.8 EL2 144.8 ALF 176.46

LAUNCH DATE MAY 30 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 555.641

RL 151.64 LAL .00 LOL 247.92 VL 26.517 GAL 5.89 AZL 93.26 HCA 258.45 SMA 126.73 ECC .22083 INC 3.2552 V1 29.380
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.708 GAP 9.34 AZP 89.35 TAL 158.19 TAP 56.64 RCA 98.75 APO 154.72 V2 35.251
 RC 141.095 GL -21.00 GP -2.98 ZAL 54.28 ZAP 161.87 ETS 350.97 ZAE 126.62 ETE 182.72 ZAC 101.51 ETC 14.04 CLP-162.11

PLANETOCENTRIC CONIC

C3 17.467 VHL 4.179 DLA -25.79 RAL 186.54 RAD 6567.7 VEL 11.783 PTH 2.08 VHP 6.374 DPA 6.57 RAP 165.68 ECC 1.2875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 34 4 1205.45 11.03 343.22 49.07 116.25 11 54 10 605.5 14.47 336.23
 90.00 15 3 36 5803.70 26.60 276.86 54.45 100.08 16 40 20 5203.7 27.72 268.37
 100.00 12 29 20 1026.98 8.89 328.98 47.94 118.66 12 46 27 427.0 12.65 322.21
 100.00 16 51 1 5457.41 28.98 251.79 54.87 97.67 18 21 59 4857.4 29.74 243.07
 110.00 12 50 20 961.13 4.49 321.30 45.25 123.92 13 6 21 361.1 8.91 315.01
 110.00 18 46 31 5096.03 34.11 224.88 55.39 92.37 20 11 27 4496.0 34.06 215.63

DIFFERENTIAL CORRECTIONS

TOE-2.5811 TRA 2.4807 TC3-3.9536 BAU .9246
 RDE .2052 RRA .1510 RC3 -.2136 FAU .03667
 FDE-1.8215 FRA 2.0252 FC3-1.8176 BSP 19597
 BDE 2.5893 BRA 2.4853 BC3 3.9594 FSP -1238

MID-COURSE EXECUTION ACCURACY

SGT 6140.8 SGR 404.8 SG3 367.1
 RRT .1862 RRF .1614 RTF .9775
 SGB 6154.1 R23 -.0217 R13 .9775
 SG1 6141.3 SG2 397.7 THA .71

ORBIT DETERMINATION ACCURACY

ST 3716.9 SR 289.7 SS 1466.7
 CRT -.8514 CRS .8275 CST -.9989
 LSA 4002.9 MSA 164.6 SSA 16.4
 EL1 3725.1 EL2 151.6 ALF 176.20

LAUNCH DATE MAY 30 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 561.447

RL 151.64 LAL .00 LOL 247.92 VL 26.488 GAL 6.33 AZL 93.28 HCA 261.70 SMA 126.55 ECC .22587 INC 3.2844 V1 29.380
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.684 GAP 9.81 AZP 89.53 TAL 157.11 TAP 58.81 RCA 97.96 APO 155.13 V2 35.247
 RC 143.232 GL -20.34 GP -2.83 ZAL 52.54 ZAP 163.24 ETS 350.56 ZAE 126.19 ETE 182.61 ZAC 99.65 ETC 13.97 CLP-163.47

PLANETOCENTRIC CONIC

C3 18.823 VHL 4.339 DLA -25.88 RAL 188.47 RAD 6567.8 VEL 11.841 PTH 2.10 VHP 6.630 DPA 5.98 RAP 167.48 ECC 1.3098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 43 35 1216.88 10.68 343.88 52.16 116.38 12 3 52 616.9 14.14 336.91
 90.00 15 9 33 5827.21 26.31 278.52 57.70 100.86 16 46 40 5227.2 27.55 270.07
 100.00 12 38 26 1039.77 8.47 329.70 50.99 118.77 12 55 46 439.8 12.25 322.95
 100.00 16 57 23 5479.56 28.77 253.41 58.17 98.49 18 28 43 4879.6 29.64 244.71
 110.00 12 58 57 975.40 3.95 322.05 48.22 123.98 13 15 12 375.4 8.38 315.77
 110.00 18 53 22 5116.69 34.04 226.49 58.81 93.32 20 18 39 4516.7 34.13 217.24

DIFFERENTIAL CORRECTIONS

TOE-2.6649 TRA 2.7046 TC3-3.6949 BAU .9310
 RDE .2272 RRA .1495 RC3 -.1899 FAU .03312
 FDE-1.7423 FRA 2.0289 FC3-1.5233 BSP 19760
 BDE 2.6746 BRA 2.7087 BC3 3.6998 FSP -1161

MID-COURSE EXECUTION ACCURACY

SGT 6198.7 SGR 406.6 SG3 344.6
 RRT .1363 RRF .1116 RTF .9770
 SGB 6212.0 R23 -.0224 R13 .9770
 SG1 6198.9 SG2 402.8 THA .51

ORBIT DETERMINATION ACCURACY

ST 3716.6 SR 307.2 SS 1414.0
 CRT -.8557 CRS .8325 CST -.9990
 LSA 3984.7 MSA 170.0 SSA 16.1
 EL1 3725.9 EL2 158.5 ALF 175.95

LAUNCH DATE MAY 30 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 567.165

RL 151.64 LAL .00 LOL 247.92 VL 26.458 GAL 6.80 AZL 93.31 HCA 264.94 SMA 126.36 ECC .23129 INC 3.3131 V1 29.380
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.659 GAP 10.30 AZP 89.71 TAL 156.02 TAP 60.97 RCA 97.13 APO 155.58 V2 35.243
 RC 145.356 GL -19.67 GP -2.70 ZAL 50.84 ZAP 164.56 ETS 350.07 ZAE 125.78 ETE 182.51 ZAC 97.75 ETC 13.90 CLP-164.79

PLANETOCENTRIC CONIC

C3 20.350 VHL 4.511 DLA -25.92 RAL 190.38 RAD 6567.8 VEL 11.905 PTH 2.12 VHP 6.897 DPA 5.35 RAP 169.31 ECC 1.3349
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 52 11 1232.05 10.22 344.76 55.26 116.55 12 12 43 632.0 13.71 337.81
 90.00 15 16 11 5849.03 26.02 280.05 60.98 101.58 16 53 40 5249.0 27.36 271.63
 100.00 12 46 48 1055.70 7.95 330.59 54.05 118.91 13 4 23 455.7 11.75 323.86
 100.00 17 4 16 5500.61 28.55 254.93 61.50 99.27 18 35 56 4900.6 29.53 246.27
 110.00 13 7 3 992.15 3.31 322.93 51.20 124.04 13 23 35 392.2 7.76 316.66
 110.00 19 0 30 5136.92 33.95 228.06 62.25 94.24 20 26 7 4536.9 34.17 218.82

DIFFERENTIAL CORRECTIONS

TOE-2.7530 TRA 2.9389 TC3-3.4421 BAU .9376
 RDE .2496 RRA .1470 RC3 -.1678 FAU .02994
 FDE-1.6721 FRA 2.0316 FC3-1.2735 BSP 19994
 BDE 2.7643 BRA 2.9426 BC3 3.4462 FSP -1097

MID-COURSE EXECUTION ACCURACY

SGT 6252.7 SGR 408.1 SG3 324.0
 RRT .0874 RRF .0628 RTF .9767
 SGB 6266.0 R23 -.0230 R13 .9767
 SG1 6252.8 SG2 406.5 THA .33

ORBIT DETERMINATION ACCURACY

ST 3712.9 SR 323.1 SS 1365.7
 CRT -.8591 CRS .8366 CST -.9990
 LSA 3965.4 MSA 175.0 SSA 15.7
 EL1 3723.3 EL2 164.9 ALF 175.72

LAUNCH DATE MAY 30 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 572.831

RL 151.64 LAL .00 LOL 247.92 VL 26.428 GAL 7.29 AZL 93.34 HCA 268.19 SMA 126.17 ECC .23712 INC 3.3414 V1 29.380
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.633 GAP 10.81 AZP 89.89 TAL 154.93 TAP 63.12 RCA 96.25 APO 156.08 V2 35.237
 RC 147.469 GL -18.98 GP -2.58 ZAL 49.16 ZAP 165.84 ETS 349.50 ZAE 125.40 ETE 182.41 ZAC 95.82 ETC 13.83 CLP-166.07

PLANETOCENTRIC CONIC

C3 22.071 VHL 4.698 DLA -25.93 RAL 192.26 RAD 6567.9 VEL 11.977 PTH 2.13 VHP 7.179 DPA 4.69 RAP 171.17 ECC 1.3632
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 59 51 1250.91 9.65 345.84 58.35 116.75 12 20 42 650.9 13.16 338.93
 90.00 15 23 28 5869.21 25.74 281.46 64.30 102.23 17 1 17 5269.2 27.17 273.08
 100.00 12 54 25 1074.71 7.32 331.66 57.10 119.06 13 12 20 474.7 11.14 324.95
 100.00 17 11 35 5520.64 28.32 256.38 64.87 99.99 18 43 36 4920.6 29.41 247.74
 110.00 13 14 37 1011.33 2.58 323.93 54.18 124.10 13 31 28 411.3 7.04 317.68
 110.00 19 7 53 5156.79 33.84 229.60 65.73 95.15 20 33 50 4556.8 34.18 220.37

DIFFERENTIAL CORRECTIONS

TOE-2.8416 TRA 3.1881 TC3-3.1898 BAU .9422
 RDE .2727 RRA .1433 RC3 -.1472 FAU .02696
 FDE-1.6066 FRA 2.0362 FC3-1.0574 BSP 20203
 BDE 2.8547 BRA 3.1913 BC3 3.1932 FSP -1036

MID-COURSE EXECUTION ACCURACY

SGT 6299.6 SGR 409.3 SG3 304.9
 RRT .0396 RRF .0155 RTF .9765
 SGB 6312.9 R23 -.0233 R13 .9765
 SG1 6299.6 SG2 409.0 THA .15

ORBIT DETERMINATION ACCURACY

ST 3701.4 SR 337.7 SS 1319.6
 CRT -.8613 CRS .8397 CST -.9991
 LSA 3939.9 MSA 179.9 SSA 15.4
 EL1 3712.9 EL2 171.0 ALF 175.50

LAUNCH DATE MAY 30 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 578.438

RL 151.64 LAL .00 LOL 247.92 VL 26.398 GAL 7.82 AZL 93.37 HCA 271.43 SMA 125.98 ECC .24341 INC 3.3697 V1 29.380
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.606 GAP 11.35 AZP 90.08 TAL 153.84 TAP 65.27 RCA 95.31 APO 156.64 V2 35.231
 RC 149.570 GL -18.28 GP -2.47 ZAL 47.53 ZAP 167.09 ETS 348.82 ZAE 125.04 ETE 182.32 ZAC 93.86 ETC 13.77 CLP-167.32

PLANETOCENTRIC CONIC

C3 24.016 VHL 4.901 DLA -25.91 RAL 194.09 RAD 6568.0 VEL 12.058 PTH 2.16 VHP 7.475 DPA 4.00 RAP 173.04 ECC 1.3952
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 37 1273.34 8.96 347.13 61.42 116.98 12 27 50 673.3 12.51 340.25
 90.00 15 31 20 5887.90 25.46 282.76 67.65 102.82 17 9 28 5287.9 26.98 274.42
 100.00 13 1 19 1096.72 6.59 332.88 60.15 119.22 13 19 36 496.7 10.44 326.21
 100.00 17 19 20 5539.76 28.09 257.75 68.26 100.68 18 51 39 4939.8 29.27 249.15
 110.00 13 21 40 1032.87 1.76 325.06 57.16 124.14 13 38 53 432.9 6.22 318.82
 110.00 19 15 28 5176.37 33.71 231.12 69.23 96.04 20 41 45 4576.4 34.18 221.90

DIFFERENTIAL CORRECTIONS

TDE-2.9311 TRA 3.4537 TC3-2.9394 BAU .9446
 RDE .2965 RRA .1385 RC3 -.1280 FAU .02416
 FDE-1.5456 FRA 2.0433 FC3 -.8708 BSP 20387
 BDE 2.9461 BRA 3.4565 BC3 2.9422 FSP -979

MID-COURSE EXECUTION ACCURACY

SGT 6340.0 SGR 410.2 SG3 287.2
 RRT -.0070 RRF -.0302 RTF .9763
 SGB 6353.2 R23 .0233 R13 -.9763
 SGI 6340.0 SG2 410.2 THA 179.97

ORBIT DETERMINATION ACCURACY

ST 3683.1 SR 350.8 SS 1275.6
 CRT -.8628 CRS .8417 CST -.9991
 LSA 3909.1 MSA 184.6 SSA 15.0
 EL1 3695.5 EL2 176.8 ALF 125.29

LAUNCH DATE MAY 30 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 583.980

RL 151.64 LAL .00 LOL 247.92 VL 26.368 GAL 8.38 AZL 93.40 HCA 274.67 SMA 125.79 ECC .25019 INC 3.3981 V1 29.380
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.579 GAP 11.90 AZP 90.28 TAL 152.75 TAP 67.42 RCA 94.32 APO 157.26 V2 35.225
 RC 151.657 GL -17.58 GP -2.37 ZAL 45.93 ZAP 168.31 ETS 348.01 ZAE 124.71 ETE 182.23 ZAC 91.88 ETC 13.71 CLP-168.55

PLANETOCENTRIC CONIC

C3 26.216 VHL 5.120 DLA -25.85 RAL 195.88 RAD 6568.1 VEL 12.149 PTH 2.18 VHP 7.788 DPA 3.27 RAP 174.93 ECC 1.4314
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 12 30 1299.17 8.16 348.60 64.48 117.21 12 34 9 699.2 11.74 341.76
 90.00 15 39 43 617.23 25.20 306.05 71.03 103.37 15 50 1 17.2 26.79 297.75
 100.00 13 7 30 1121.58 5.77 334.26 63.19 119.38 13 26 11 521.6 9.64 327.62
 100.00 17 27 25 5558.09 27.85 259.06 71.68 101.33 19 0 3 4958.1 29.13 250.49
 110.00 13 28 11 1056.69 .84 326.30 60.13 124.17 13 45 47 456.7 5.32 320.08
 110.00 19 23 13 5195.75 33.56 232.61 72.74 96.91 20 49 49 4595.7 34.15 223.42

DIFFERENTIAL CORRECTIONS

TDE-3.0182 TRA 3.7400 TC3-2.6873 BAU .9427
 RDE .3208 RRA .1323 RC3 -.1104 FAU .02140
 FDE-1.4865 FRA 2.0548 FC3 -.7067 BSP 20461
 BDE 3.0352 BRA 3.7424 BC3 2.6896 FSP -921

MID-COURSE EXECUTION ACCURACY

SGT 6372.3 SGR 410.8 SG3 270.7
 RRT -.0521 RRF -.0738 RTF .9762
 SGB 6385.5 R23 .0228 R13 -.9762
 SGI 6372.3 SG2 410.2 THA 179.81

ORBIT DETERMINATION ACCURACY

ST 3655.2 SR 362.4 SS 1232.5
 CRT -.8632 CRS .8426 CST -.9991
 LSA 3869.7 MSA 189.4 SSA 14.6
 EL1 3668.6 EL2 182.3 ALF 175.10

LAUNCH DATE MAY 30 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 589.448

RL 151.64 LAL .00 LOL 247.92 VL 26.338 GAL 8.98 AZL 93.43 HCA 277.91 SMA 125.60 ECC .25752 INC 3.4267 V1 29.380
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.551 GAP 12.49 AZP 90.47 TAL 151.67 TAP 69.58 RCA 93.26 APO 157.94 V2 35.217
 RC 153.730 GL -16.87 GP -2.28 ZAL 44.39 ZAP 169.50 ETS 347.02 ZAE 124.38 ETE 182.15 ZAC 89.88 ETC 13.67 CLP-169.75

PLANETOCENTRIC CONIC

C3 28.711 VHL 5.358 DLA -25.75 RAL 197.62 RAD 6568.2 VEL 12.251 PTH 2.20 VHP 8.119 DPA 2.53 RAP 176.84 ECC 1.4725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 17 32 1328.19 7.25 350.25 67.52 117.45 12 39 41 728.2 10.87 343.45
 90.00 15 48 32 633.45 24.94 307.17 74.42 103.87 15 59 6 33.5 26.60 298.90
 100.00 13 12 59 1149.17 4.84 335.79 66.20 119.53 13 32 8 549.2 8.74 329.17
 100.00 17 35 47 5575.74 27.60 260.32 75.10 101.95 19 8 43 4975.7 28.97 251.78
 110.00 13 34 10 1082.71 -.15 327.66 63.10 124.18 13 52 13 482.7 4.34 321.44
 110.00 19 31 5 5214.97 33.39 234.09 76.27 97.77 20 58 0 4615.0 34.11 224.92

DIFFERENTIAL CORRECTIONS

TDE-3.1121 TRA 4.0402 TC3-2.4480 BAU .9403
 RDE .3458 RRA .1246 RC3 -.0944 FAU .01893
 FDE-1.4351 FRA 2.0659 FC3 -.5709 BSP 20621
 BDE 3.1312 BRA 4.0421 BC3 2.4498 FSP -872

MID-COURSE EXECUTION ACCURACY

SGT 6400.3 SGR 410.9 SG3 255.5
 RRT -.0972 RRF -.1174 RTF .9762
 SGB 6413.5 R23 .0223 R13 -.9762
 SGI 6400.4 SG2 409.0 THA 179.64

ORBIT DETERMINATION ACCURACY

ST 3626.4 SR 372.4 SS 1194.0
 CRT -.8637 CRS .8436 CST -.9992
 LSA 3831.1 MSA 193.3 SSA 14.2
 EL1 3640.7 EL2 187.0 ALF 174.92

LAUNCH DATE MAY 30 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 594.832

RL 151.64 LAL .00 LOL 247.92 VL 26.308 GAL 9.62 AZL 93.46 HCA 281.15 SMA 125.41 ECC .26545 INC 3.4557 V1 29.380
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.523 GAP 13.10 AZP 90.67 TAL 150.60 TAP 71.75 RCA 92.12 APO 158.70 V2 35.210
 RC 155.789 GL -16.16 GP -2.20 ZAL 42.89 ZAP 170.67 ETS 345.79 ZAE 124.07 ETE 182.07 ZAC 87.87 ETC 13.64 CLP-170.93

PLANETOCENTRIC CONIC

C3 31.547 VHL 5.617 DLA -25.63 RAL 199.30 RAD 6568.3 VEL 12.366 PTH 2.23 VHP 8.472 DPA 1.77 RAP 178.75 ECC 1.5192
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 21 48 1360.14 6.24 352.06 70.52 117.68 12 44 28 760.1 9.90 345.29
 90.00 15 57 42 648.74 24.68 308.22 77.83 104.34 16 8 30 48.7 26.41 299.98
 100.00 13 17 48 1179.32 3.83 337.45 69.20 119.67 13 37 27 579.3 7.75 330.86
 100.00 17 44 23 5592.84 27.36 261.53 78.54 102.54 19 17 35 4992.8 28.81 253.03
 110.00 13 39 38 1110.82 -1.23 329.12 66.05 124.16 13 58 8 510.8 3.27 322.92
 110.00 19 39 2 5234.11 33.21 235.55 79.81 98.61 21 6 16 4634.1 34.04 226.41

DIFFERENTIAL CORRECTIONS

TDE-3.2089 TRA 4.3602 TC3-2.2157 BAU .9351
 RDE .3714 RRA .1152 RC3 -.0800 FAU .01660
 FDE-1.3880 FRA 2.0798 FC3 -.4555 BSP 20766
 BDE 3.2303 BRA 4.3618 BC3 2.2172 FSP -826

MID-COURSE EXECUTION ACCURACY

SGT 6422.5 SGR 410.6 SG3 241.4
 RRT -.1416 RRF -.1601 RTF .9764
 SGB 6435.6 R23 .0215 R13 -.9764
 SGI 6422.8 SG2 406.4 THA 179.48

ORBIT DETERMINATION ACCURACY

ST 3593.2 SR 380.9 SS 1158.1
 CRT -.8637 CRS .8442 CST -.9992
 LSA 3789.3 MSA 196.7 SSA 13.9
 EL1 3608.3 EL2 191.1 ALF 174.75

LAUNCH DATE MAY 30 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 600.119

RL 151.64 LAL .00 LOL 247.92 VL 26.278 GAL 10.31 AZL 93.49 HCA 284.39 SMA 125.23 ECC .27406 INC 3.4854 V1 29.380
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.494 GAP 13.75 AZP 90.87 TAL 149.54 TAP 73.93 RCA 90.91 APO 159.55 V2 35.201
 RC 157.834 GL -15.46 GP -2.13 ZAL 41.44 ZAP 171.81 ETS 344.23 ZAE 123.76 ETE 181.99 ZAC 85.84 ETC 13.62 CLP-172.09

PLANETOCENTRIC CONIC

C3 34.781 VHL 5.898 OLA -25.48 RAL 200.92 RAD 6568.4 VEL 12.496 PTH 2.26 VHP 8.848 DPA .98 RAP 180.67 ECC 1.5724
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 25 19 1394.78 5.14 354.01 73.50 117.88 12 48 33 794.8 8.84 347.28
 90.00 16 7 7 663.29 24.43 309.21 81.25 104.78 16 18 10 63.3 26.23 301.00
 100.00 13 21 58 1211.85 2.73 339.24 72.17 119.78 13 42 10 611.8 6.67 332.68
 100.00 17 53 8 5609.50 27.11 262.70 81.98 103.11 19 26 38 5009.5 28.64 254.24
 110.00 13 44 35 1140.91 -2.37 330.69 68.99 124.11 14 3 35 540.9 2.12 324.49
 110.00 19 47 1 5253.20 33.00 237.00 83.34 99.45 21 14 34 4653.2 33.96 227.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.3085 TRA 4.7018 TC3-1.9905 BAU .9261 SGT 6438.1 SGR 409.8 SG3 228.2 ST 3555.5 SR 387.7 SS 1124.9
 ROE .3975 RRA .1040 RC3 -.0671 FAU .01436 RRT -.1854 RRF -.2019 RTF .9766 CRT -.8635 CRS .8446 CST -.9993
 FDE-1.3447 FRA 2.0967 FC3 -.3575 BSP 20880 SGB 6451.2 R23 .0205 R13 -.9767 LSA 3743.9 MSA 199.7 SSA 13.5
 BOE 3.3323 BRA 4.7029 BC3 1.9916 FSP -783 SG1 6438.6 SG2 402.7 THA 179.32 EL1 3571.2 EL2 194.7 ALF 174.60

LAUNCH DATE MAY 30 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 605.295

RL 151.64 LAL .00 LOL 247.92 VL 26.248 GAL 11.05 AZL 93.52 HCA 287.63 SMA 125.04 ECC .28342 INC 3.5159 V1 29.380
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.464 GAP 14.45 AZP 91.07 TAL 148.50 TAP 76.13 RCA 89.60 APO 160.48 V2 35.192
 RC 159.863 GL -14.76 GP -2.06 ZAL 40.05 ZAP 172.95 ETS 342.18 ZAE 123.45 ETE 181.91 ZAC 83.82 ETC 13.62 CLP-173.25

PLANETOCENTRIC CONIC

C3 38.478 VHL 6.203 OLA -25.31 RAL 202.48 RAD 6568.5 VEL 12.643 PTH 2.30 VHP 9.251 DPA .19 RAP 182.59 ECC 1.6333
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 28 9 1431.85 3.96 356.10 76.45 118.06 12 52 0 831.8 7.68 349.39
 90.00 16 16 42 677.28 24.19 310.16 84.66 105.19 16 28 0 77.3 26.04 301.98
 100.00 13 25 31 1246.59 1.55 341.15 75.12 119.86 13 46 18 646.6 5.52 334.61
 100.00 18 2 1 5625.81 26.85 263.85 85.42 103.66 19 35 46 5025.8 28.46 255.42
 110.00 13 49 1 1172.88 -3.69 332.36 71.91 124.02 14 8 34 572.9 .90 326.16
 110.00 19 55 0 5272.28 32.78 238.45 86.87 100.28 21 22 53 4672.3 33.85 229.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.4128 TRA 5.0669 TC3-1.7741 BAU .9131 SGT 6448.4 SGR 408.6 SG3 216.0 ST 3514.7 SR 392.9 SS 1094.7
 ROE .4243 RRA .0909 RC3 -.0557 FAU .01223 RRT -.2286 RRF -.2430 RTF .9771 CRT -.8632 CRS .8447 CST -.9993
 FDE-1.3057 FRA 2.1170 FC3 -.2752 BSP 20980 SGB 6461.4 R23 .0192 R13 -.9771 LSA 3696.6 MSA 202.0 SSA 13.1
 BOE 3.4391 BRA 5.0677 BC3 1.7750 FSP -742 SG1 6449.1 SG2 397.8 THA 179.17 EL1 3531.1 EL2 197.4 ALF 174.47

LAUNCH DATE MAY 30 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 610.343

RL 151.64 LAL .00 LOL 247.92 VL 26.219 GAL 11.84 AZL 93.55 HCA 290.86 SMA 124.86 ECC .29362 INC 3.5476 V1 29.380
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.435 GAP 15.19 AZP 91.26 TAL 147.49 TAP 78.36 RCA 88.20 APO 161.52 V2 35.183
 RC 161.876 GL -14.06 GP -2.00 ZAL 38.72 ZAP 174.06 ETS 339.36 ZAE 123.13 ETE 181.83 ZAC 81.79 ETC 13.63 CLP-174.41

PLANETOCENTRIC CONIC

C3 42.721 VHL 6.536 OLA -25.11 RAL 203.97 RAD 6568.6 VEL 12.810 PTH 2.33 VHP 9.684 DPA -.61 RAP 184.51 ECC 1.7031
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 30 20 1471.11 2.70 358.29 79.36 118.20 12 54 51 871.1 6.45 351.62
 90.00 16 26 24 690.83 23.94 311.08 88.06 105.59 16 37 55 90.8 25.85 302.93
 100.00 13 28 29 1283.36 .31 343.17 78.03 119.89 13 49 52 683.4 4.28 336.64
 100.00 18 10 56 5641.85 26.59 264.97 88.84 104.19 19 44 58 5041.8 28.28 256.57
 110.00 13 52 57 1206.61 -4.88 334.13 74.81 123.88 14 13 4 606.6 -.39 327.92
 110.00 20 2 58 5291.36 32.54 239.88 90.38 101.10 21 31 9 4691.4 33.73 230.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.5192 TRA 5.4606 TC3-1.5644 BAU .8939 SGT 6453.1 SGR 406.9 SG3 204.6 ST 3469.2 SR 396.4 SS 1066.6
 ROE .4515 RRA .0755 RC3 -.0459 FAU .01011 RRT -.2711 RRF -.2829 RTF .9776 CRT -.8625 CRS .8444 CST -.9993
 FDE-1.2692 FRA 2.1422 FC3 -.2049 BSP 20977 SGB 6465.9 R23 .0176 R13 -.9776 LSA 3645.4 MSA 203.8 SSA 12.7
 BOE 3.5481 BRA 5.4611 BC3 1.5651 FSP -700 SG1 6454.0 SG2 391.6 THA 179.02 EL1 3486.1 EL2 199.6 ALF 174.35

LAUNCH DATE MAY 30 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 615.239

RL 151.64 LAL .00 LOL 247.92 VL 26.189 GAL 12.70 AZL 93.58 HCA 294.09 SMA 124.68 ECC .30476 INC 3.5806 V1 29.380
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.405 GAP 15.98 AZP 91.46 TAL 146.52 TAP 80.61 RCA 86.68 APO 162.68 V2 35.172
 RC 163.875 GL -13.37 GP -1.94 ZAL 37.45 ZAP 175.16 ETS 335.26 ZAE 122.81 ETE 181.75 ZAC 79.77 ETC 13.67 CLP-175.56

PLANETOCENTRIC CONIC

C3 47.608 VHL 6.900 OLA -24.88 RAL 205.39 RAD 6568.8 VEL 12.999 PTH 2.37 VHP 10.152 DPA -1.42 RAP 186.42 ECC 1.7835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 31 55 1512.32 1.37 .59 82.23 118.29 12 57 7 912.3 5.14 353.94
 90.00 16 36 8 704.05 23.70 311.97 91.45 105.97 16 47 52 104.0 25.66 303.85
 100.00 13 30 52 1322.00 -1.00 345.29 80.91 119.88 13 52 54 722.0 2.98 338.77
 100.00 18 19 52 5657.64 26.32 266.06 92.24 104.71 19 54 10 5057.6 28.08 257.70
 110.00 13 56 23 1241.98 -6.22 336.00 77.68 123.68 14 17 5 642.0 -1.75 329.76
 110.00 20 10 51 5310.43 32.28 241.31 93.86 101.90 21 39 21 4710.4 33.58 232.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.6361 TRA 5.8783 TC3-1.3686 BAU .8714 SGT 6452.5 SGR 404.9 SG3 194.1 ST 3424.3 SR 398.4 SS 1042.8
 ROE .4793 RRA .0579 RC3 -.0375 FAU .00815 RRT -.3136 RRF -.3230 RTF .9784 CRT -.8622 CRS .8446 CST -.9994
 FDE-1.2389 FRA 2.1697 FC3 -.1482 BSP 21056 SGB 6465.2 R23 .0159 R13 -.9784 LSA 3595.8 MSA 204.6 SSA 12.3
 BOE 3.6676 BRA 5.8786 BC3 1.3691 FSP -665 SG1 6453.7 SG2 384.4 THA 178.87 EL1 3441.5 EL2 200.8 ALF 174.25

LAUNCH DATE MAY 31 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 9 1967

HELIOCENTRIC CONIC

DISTANCE 146.950

RL 151.67 LAL .00 LOL 248.88 VL 19.962 GAL 8.39 AZL 93.04 HCA 53.94 SMA 98.19 ECC .55819 INC 3.0422 V1 29.375
 RP 108.94 LAP -2.46 LOP 302.77 VP 32.939 GAP -33.41 AZP 91.79 TAL 173.24 TAP 227.17 RCA 43.38 APO 153.00 V2 34.786
 RC 51.953 GL -5.98 GP .77 ZAL 74.80 ZAP 21.88 ETS 183.18 ZAE 158.72 ETE 154.88 ZAC 119.45 ETC 18.10 CLP 21.86

PLANETOCENTRIC CONIC

C3 101.251 VHL 10.062 DLA -3.17 RAL 172.27 RAD 6570.0 VEL 14.920 PTH 2.69 VHP 19.583 DPA 17.01 RAP 148.30 ECC 2.6663
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 32 2509.22 -25.46 61.04 60.24 102.84 7 24 21 1909.2 -23.44 52.95
 90.00 17 53 29 5349.98 27.69 243.95 63.21 83.80 19 22 39 4750.0 26.54 235.47
 100.00 8 2 24 2251.59 -26.92 41.71 59.86 103.51 8 39 55 1651.6 -24.80 33.56
 100.00 19 16 18 5082.83 29.18 224.11 63.02 83.21 20 41 1 4482.8 27.93 215.52
 110.00 9 7 15 2048.59 -30.89 25.13 58.69 105.43 9 41 23 1448.6 -28.46 16.77
 110.00 20 27 57 4858.60 33.24 206.45 62.38 81.52 21 48 55 4258.6 31.71 197.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5319 TRA-1.2705 TC3 -.0842 BAU .1245 SGT 803.4 SGR 446.1 SG3 37.5 ST 372.8 SR 397.1 SS 341.9
 RDE -.6895 RRA -.3478 RC3 .0370 FAU .01536 RRT .0340 RRF -.0323 RTF -.6369 CRT -.7159 CRS -.8247 CST .9836
 FDE -.3195 FRA .5126 FC3 -.1313 BSP 2106 SGB 918.9 R23 -.0010 R13 -.6370 LSA 605.8 MSA 215.4 SSA 14.0
 BDE .8708 BRA 1.3173 BC3 .0920 FSP -79 SG1 803.6 SG2 445.7 THA 1.56 EL1 504.7 EL2 204.8 ALF 132.48

LAUNCH DATE MAY 31 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 153.196

RL 151.67 LAL .00 LOL 248.88 VL 20.526 GAL 8.05 AZL 93.08 HCA 57.10 SMA 99.88 ECC .53216 INC 3.0782 V1 29.375
 RP 108.94 LAP -2.58 LOP 305.94 VP 33.282 GAP -31.77 AZP 91.67 TAL 172.80 TAP 229.89 RCA 46.73 APO 153.03 V2 34.785
 RC 50.440 GL -6.59 GP .80 ZAL 74.14 ZAP 20.32 ETS 183.33 ZAE 160.02 ETE 151.48 ZAC 117.91 ETC 17.76 CLP 20.30

PLANETOCENTRIC CONIC

C3 90.383 VHL 9.507 DLA -4.00 RAL 172.65 RAD 6569.8 VEL 14.551 PTH 2.64 VHP 18.710 DPA 16.52 RAP 149.89 ECC 2.4875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 15 2458.67 -24.65 57.56 58.48 104.40 7 31 14 1858.7 -22.43 49.59
 90.00 17 48 46 5351.26 27.69 244.04 62.13 83.85 19 17 58 4751.3 26.55 235.56
 100.00 8 9 44 2202.32 -26.09 38.28 58.06 105.13 8 46 26 1602.3 -23.76 30.26
 100.00 19 11 59 5082.84 29.18 224.11 61.94 83.21 20 36 42 4482.8 27.93 215.52
 110.00 9 13 40 2002.14 -30.00 21.81 56.78 107.21 9 47 2 1402.1 -27.35 13.62
 110.00 20 24 32 4855.79 33.21 206.23 61.30 81.40 21 45 28 4255.8 31.67 197.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5316 TRA-1.2586 TC3 -.0827 BAU .1124 SGT 840.0 SGR 450.2 SG3 41.0 ST 393.3 SR 399.6 SS 362.0
 RDE -.6556 RRA -.3314 RC3 .0425 FAU .01578 RRT .0343 RRF -.0331 RTF -.6573 CRT -.7181 CRS -.8288 CST .9830
 FDE -.3357 FRA .5275 FC3 -.1511 BSP 2253 SGB 953.1 R23 -.0015 R13 -.6574 LSA 630.2 MSA 219.4 SSA 14.2
 BDE .8440 BRA 1.3016 BC3 .0930 FSP -88 SG1 840.2 SG2 449.9 THA 1.48 EL1 519.7 EL2 210.5 ALF 134.36

LAUNCH DATE MAY 31 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 159.505

RL 151.67 LAL .00 LOL 248.88 VL 21.049 GAL 7.69 AZL 93.11 HCA 60.26 SMA 101.54 ECC .50716 INC 3.1117 V1 29.375
 RP 108.94 LAP -2.70 LOP 309.10 VP 33.607 GAP -30.21 AZP 91.54 TAL 172.39 TAP 232.65 RCA 50.04 APO 153.04 V2 34.784
 RC 49.035 GL -7.24 GP .83 ZAL 73.58 ZAP 18.77 ETS 183.52 ZAE 161.39 ETE 147.36 ZAC 116.36 ETC 17.43 CLP 18.75

PLANETOCENTRIC CONIC

C3 80.749 VHL 8.986 DLA -4.83 RAL 172.94 RAD 6569.6 VEL 14.216 PTH 2.59 VHP 17.871 DPA 16.02 RAP 151.48 ECC 2.3289
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 38 2407.42 -23.73 54.08 56.64 105.92 7 37 45 1807.4 -21.32 46.24
 90.00 17 43 40 5351.85 27.70 244.08 60.90 83.87 19 12 52 4751.9 26.56 235.60
 100.00 8 16 42 2152.35 -25.16 34.87 56.18 106.70 8 52 34 1552.4 -22.63 26.98
 100.00 19 7 17 5082.15 29.18 224.06 60.71 83.18 20 31 59 4482.2 27.93 215.48
 110.00 9 19 44 1955.00 -29.00 18.50 54.79 108.94 9 52 19 1355.0 -26.14 10.49
 110.00 20 20 44 4852.26 33.18 205.96 60.07 81.24 21 41 37 4252.3 31.61 197.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5319 TRA-1.2456 TC3 -.0794 BAU .1005 SGT 877.9 SGR 453.7 SG3 44.8 ST 415.0 SR 401.5 SS 383.1
 RDE -.6224 RRA -.3152 RC3 .0486 FAU .01624 RRT .0344 RRF -.0339 RTF -.6770 CRT -.7211 CRS -.8332 CST .9825
 FDE -.3530 FRA .5421 FC3 -.1741 BSP 2411 SGB 988.1 R23 -.0022 R13 -.6770 LSA 656.0 MSA 222.6 SSA 14.5
 BDE .8187 BRA 1.2849 BC3 .0931 FSP -98 SG1 878.0 SG2 453.3 THA 1.39 EL1 535.7 EL2 215.5 ALF 136.32

LAUNCH DATE MAY 31 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 165.873

RL 151.67 LAL .00 LOL 248.88 VL 21.536 GAL 7.32 AZL 93.14 HCA 63.42 SMA 103.18 ECC .48323 INC 3.1432 V1 29.375
 RP 108.94 LAP -2.81 LOP 312.26 VP 33.914 GAP -28.73 AZP 91.41 TAL 172.03 TAP 235.45 RCA 53.32 APO 153.04 V2 34.784
 RC 47.750 GL -7.92 GP .87 ZAL 73.10 ZAP 17.23 ETS 183.78 ZAE 162.79 ETE 142.31 ZAC 114.80 ETC 17.11 CLP 17.21

PLANETOCENTRIC CONIC

C3 72.204 VHL 8.497 DLA -5.66 RAL 173.12 RAD 6569.4 VEL 13.912 PTH 2.54 VHP 17.064 DPA 15.51 RAP 153.08 ECC 2.1883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 38 2355.54 -22.72 50.61 54.72 107.37 7 43 54 1755.5 -20.13 42.90
 90.00 17 38 10 5351.92 27.70 244.09 59.52 83.87 19 7 21 4751.9 26.56 235.60
 100.00 8 23 18 2101.77 -24.13 31.46 54.22 108.21 8 58 20 1501.8 -21.41 23.72
 100.00 19 2 11 5080.93 29.17 223.97 59.33 83.14 20 26 52 4480.9 27.91 215.39
 110.00 9 25 25 1907.29 -27.90 15.22 52.74 110.60 9 57 13 1307.3 -24.84 7.39
 110.00 20 16 33 4848.17 33.13 205.65 58.69 81.06 21 37 21 4248.2 31.54 196.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5302 TRA-1.2340 TC3 -.0751 BAU .0901 SGT 918.3 SGR 456.3 SG3 49.0 ST 436.7 SR 402.5 SS 405.1
 RDE -.5901 RRA -.2991 RC3 .0554 FAU .01674 RRT .0363 RRF -.0352 RTF -.6944 CRT -.7224 CRS -.8374 CST .9816
 FDE -.3710 FRA .5570 FC3 -.2007 BSP 2515 SGB 1025.4 R23 -.0017 R13 -.6945 LSA 682.4 MSA 225.8 SSA 14.7
 BDE .7933 BRA 1.2697 BC3 .0933 FSP -109 SG1 918.5 SG2 455.9 THA 1.37 EL1 551.5 EL2 220.4 ALF 138.23

LAUNCH DATE MAY 31 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 172.295

RL 151.67 LAL .00 LOL 248.88 VL 21.989 GAL 6.95 AZL 93.17 HCA 66.58 SMA 104.78 ECC .46035 INC 3.1730 V1 29.375
 RP 108.94 LAP -2.91 LOP 315.42 VP 34.204 GAP -27.32 AZP 91.26 TAL 171.71 TAP 238.29 RCA 56.55 APO 153.02 V2 34.785
 RC 46.594 GL -8.64 GP .90 ZAL 72.72 ZAP 15.69 ETS 184.11 ZAE 164.16 ETE 136.07 ZAC 113.23 ETC 16.81 CLP 15.67

PLANETOCENTRIC CONIC

C3 64.624 VHL 8.039 DLA -6.48 RAL 173.21 RAD 6569.2 VEL 13.637 PTH 2.49 VHP 16.289 DPA 14.99 RAP 154.67 ECC 2.0636
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 11 18 2303.13 -21.61 47.17 52.72 108.75 7 49 41 1703.1 -18.86 39.58
 90.00 17 32 13 5351.62 27.70 244.06 58.01 83.86 19 1 25 4751.6 26.56 235.58
 100.00 8 29 33 2050.67 -23.00 28.09 52.20 109.64 9 3 44 1450.7 -20.11 20.48
 100.00 18 56 39 5079.31 29.15 223.85 57.82 83.08 20 21 18 4479.3 27.89 215.27
 110.00 9 30 44 1859.10 -26.71 11.99 50.64 112.17 10 1 44 1259.1 -23.46 4.33
 110.00 20 11 57 4843.65 33.08 205.31 57.17 80.87 21 32 40 4243.6 31.47 196.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5312 TRA-1.2191 TC3 -.0670 BAU .0795 SGT 959.0 SGR 458.2 SG3 53.6 ST 460.6 SR 402.7 SS 428.5
 RDE -.5585 RRA -.2832 RC3 .0630 FAU .01730 RRT .0365 RRF -.0360 RTF -.7126 CRT -.7263 CRS -.8422 CST .9811
 FDE -.3905 FRA .5713 FC3 -.2318 BSP 2675 SGB 1062.9 R23 -.0023 R13 -.7126 LSA 711.2 MSA 227.8 SSA 14.9
 BDE .7708 BRA 1.2516 BC3 .0920 FSP -121 SG1 959.2 SG2 457.8 THA 1.29 EL1 569.4 EL2 223.9 ALF 140.26

LAUNCH DATE MAY 31 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 178.766

RL 151.67 LAL .00 LOL 248.88 VL 22.409 GAL 6.59 AZL 93.20 HCA 69.74 SMA 106.35 ECC .43855 INC 3.2014 V1 29.375
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.477 GAP -25.98 AZP 91.11 TAL 171.43 TAP 241.17 RCA 59.71 APO 152.99 V2 34.786
 RC 45.578 GL -9.40 GP .94 ZAL 72.44 ZAP 14.16 ETS 184.55 ZAE 165.42 ETE 128.35 ZAC 111.65 ETC 16.52 CLP 14.13

PLANETOCENTRIC CONIC

C3 57.900 VHL 7.609 DLA -7.31 RAL 173.20 RAD 6569.1 VEL 13.389 PTH 2.45 VHP 15.542 DPA 14.46 RAP 156.26 ECC 1.9529
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 36 2250.29 -20.42 43.76 50.67 110.06 7 55 6 1650.3 -17.50 36.29
 90.00 17 25 49 5351.13 27.69 244.03 56.37 83.84 18 55 0 4751.1 26.55 235.55
 100.00 8 35 26 1999.18 -21.78 24.75 50.12 111.00 9 8 45 1399.2 -18.73 17.28
 100.00 18 50 40 5077.48 29.14 223.71 56.18 83.01 20 15 17 4477.5 27.86 215.14
 110.00 9 35 41 1810.56 -25.42 8.80 48.49 113.66 10 5 51 1210.6 -22.00 1.32
 110.00 20 6 54 4838.87 33.03 204.94 55.52 80.66 21 27 33 4238.9 31.39 196.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5327 TRA-1.2030 TC3 -.0559 BAU .0702 SGT 1001.1 SGR 459.3 SG3 58.6 ST 485.8 SR 402.0 SS 453.3
 RDE -.5278 RRA -.2676 RC3 .0714 FAU .01793 RRT .0368 RRF -.0369 RTF -.7299 CRT -.7307 CRS -.8471 CST .9806
 FDE -.4115 FRA .5856 FC3 -.2680 BSP 2838 SGB 1101.5 R23 -.0029 R13 -.7299 LSA 741.9 MSA 229.1 SSA 15.2
 BDE .7499 BRA 1.2325 BC3 .0906 FSP -135 SG1 1001.3 SG2 458.9 THA 1.22 EL1 588.5 EL2 226.6 ALF 142.30

LAUNCH DATE MAY 31 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 185.281

RL 151.67 LAL .00 LOL 248.88 VL 22.800 GAL 6.22 AZL 93.23 HCA 72.90 SMA 107.88 ECC .41782 INC 3.2287 V1 29.375
 RP 108.93 LAP -3.09 LOP 321.75 VP 34.734 GAP -24.69 AZP 90.95 TAL 171.19 TAP 244.09 RCA 62.80 APO 152.95 V2 34.788
 RC 44.711 GL -10.20 GP .99 ZAL 72.26 ZAP 12.63 ETS 185.13 ZAE 166.47 ETE 118.92 ZAC 110.08 ETC 16.25 CLP 12.59

PLANETOCENTRIC CONIC

C3 51.936 VHL 7.207 DLA -8.13 RAL 173.08 RAD 6568.9 VEL 13.164 PTH 2.40 VHP 14.824 DPA 13.93 RAP 157.84 ECC 1.8547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 32 2197.17 -19.14 40.38 48.56 111.27 8 0 10 1597.2 -16.08 33.04
 90.00 17 18 57 5350.64 27.69 243.99 54.61 83.82 18 48 7 4750.6 26.55 235.51
 100.00 8 40 57 1947.42 -20.48 21.45 47.99 112.26 9 13 25 1347.4 -17.28 14.12
 100.00 18 44 13 5075.62 29.12 223.58 54.42 82.94 20 8 49 4475.6 27.84 215.01
 110.00 9 40 14 1761.80 -24.05 5.68 46.30 115.06 10 9 36 1161.8 -20.47 358.36
 110.00 20 1 25 4834.01 32.98 204.58 53.76 80.44 21 21 59 4234.0 31.31 195.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5350 TRA-1.1854 TC3 -.0409 BAU .0627 SGT 1044.4 SGR 459.6 SG3 64.2 ST 512.4 SR 400.5 SS 479.7
 RDE -.4979 RRA -.2524 RC3 .0806 FAU .01862 RRT .0369 RRF -.0377 RTF -.7465 CRT -.7360 CRS -.8523 CST .9803
 FDE -.4343 FRA .5995 FC3 -.3105 BSP 3009 SGB 1141.1 R23 -.0035 R13 -.7466 LSA 774.7 MSA 229.5 SSA 15.4
 BDE .7309 BRA 1.2120 BC3 .0903 FSP -150 SG1 1044.6 SG2 459.2 THA 1.15 EL1 609.0 EL2 228.1 ALF 144.34

LAUNCH DATE MAY 31 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 191.836

RL 151.67 LAL .00 LOL 248.88 VL 23.163 GAL 5.86 AZL 93.26 HCA 76.07 SMA 109.36 ECC .39815 INC 3.2551 V1 29.375
 RP 108.92 LAP -3.16 LOP 324.92 VP 34.976 GAP -23.46 AZP 90.78 TAL 171.00 TAP 247.07 RCA 65.82 APO 152.90 V2 34.791
 RC 44.000 GL -11.04 GP 1.04 ZAL 72.19 ZAP 11.09 ETS 185.92 ZAE 167.17 ETE 107.82 ZAC 108.51 ETC 16.00 CLP 11.05

PLANETOCENTRIC CONIC

C3 46.649 VHL 6.830 DLA -8.95 RAL 172.86 RAD 6568.7 VEL 12.962 PTH 2.36 VHP 14.132 DPA 13.39 RAP 159.41 ECC 1.7677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 8 2143.88 -17.79 37.05 46.41 112.40 8 4 52 1543.9 -14.60 29.83
 90.00 17 11 35 5350.33 27.69 243.97 52.74 83.81 18 40 45 4750.3 26.54 235.49
 100.00 8 46 6 1895.54 -19.11 18.21 45.82 113.43 9 17 42 1295.5 -15.78 11.00
 100.00 18 37 17 5073.90 29.11 223.45 52.55 82.87 20 1 51 4473.9 27.82 214.89
 110.00 9 44 25 1712.98 -22.61 2.62 44.09 116.35 10 12 58 1113.0 -18.88 355.46
 110.00 19 55 29 4829.23 32.92 204.21 51.89 80.24 21 15 58 4229.2 31.23 195.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5380 TRA-1.1663 TC3 -.0217 BAU .0581 SGT 1088.8 SGR 459.1 SG3 70.3 ST 540.4 SR 398.1 SS 507.7
 RDE -.4690 RRA -.2375 RC3 .0906 FAU .01940 RRT .0370 RRF -.0386 RTF -.7623 CRT -.7419 CRS -.8578 CST .9800
 FDE -.4590 FRA .6132 FC3 -.3600 BSP 3185 SGB 1181.6 R23 -.0043 R13 -.7624 LSA 809.6 MSA 229.1 SSA 15.6
 BDE .7137 BRA 1.1902 BC3 .0932 FSP -167 SG1 1089.0 SG2 458.7 THA 1.09 EL1 631.0 EL2 228.5 ALF 146.35

LAUNCH DATE MAY 31 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 198.424

RL 151.67 LAL .00 LOL 248.88 VL 23.499 GAL 5.50 AZL 93.28 HCA 79.23 SMA 110.80 ECC .37953 INC 3.2807 V1 29.375
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.204 GAP -22.28 AZP 90.61 TAL 170.87 TAP 250.09 RCA 68.75 APO 152.85 V2 34.795
 RC 43.455 GL -11.93 GP 1.09 ZAL 72.21 ZAP 9.56 ETS 187.03 ZAE 167.39 ETE 95.54 ZAC 106.94 ETC 15.75 CLP 9.49

PLANETOCENTRIC CONIC

C3 41.965 VML 6.478 DLA -9.77 RAL 172.53 RAD 6568.6 VEL 12.780 PTH 2.33 VHP 13.467 DPA 12.85 RAP 160.97 ECC 1.6906
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 22 2090.59 -16.38 33.78 44.23 113.43 8 9 12 1490.6 -13.07 26.67
 90.00 17 3 43 5350.39 27.69 243.97 50.77 83.82 18 32 53 4750.4 26.54 235.50
 100.00 8 50 53 1843.69 -17.67 15.03 43.62 114.51 9 21 37 1243.7 -14.22 7.94
 100.00 18 29 52 5072.51 29.10 223.35 50.58 82.82 19 54 25 4472.5 27.80 214.79
 110.00 9 48 11 1664.26 -21.10 359.64 41.85 117.54 10 15 56 1064.3 -17.25 352.63
 110.00 19 49 4 4824.71 32.87 203.87 49.92 80.04 21 9 28 4224.7 31.15 195.07

DIFFERENTIAL CORRECTIONS

TOE .5414 TRA-1.1463 TC3 .0020 BAU .0570
 RDE -.4410 RRA -.2230 RC3 .1016 FAU .02026
 FDE -.4860 FRA .6270 FC3 -.4180 BSP 3355
 BOE .6983 BRA 1.1678 BC3 .1016 FSP -186

MID-COURSE EXECUTION ACCURACY

SGT 1134.7 SGR 457.7 SG3 77.0
 RRT .0375 RRF -.0398 RTF -.7772
 SGB 1223.6 R23 -.0050 R13 -.7772
 SG1 1134.9 SG2 457.4 THA 1.04

ORBIT DETERMINATION ACCURACY

ST 569.7 SR 394.7 SS 537.6
 CRT -.7483 CRS -.8634 CST .9798
 LSA 846.8 MSA 228.0 SSA 15.8
 EL1 654.5 EL2 227.9 ALF 148.32

LAUNCH DATE MAY 31 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 205.043

RL 151.67 LAL .00 LOL 248.88 VL 23.812 GAL 5.16 AZL 93.31 HCA 82.39 SMA 112.18 ECC .36193 INC 3.3058 V1 29.375
 RP 108.90 LAP -3.28 LOP 331.26 VP 35.417 GAP -21.16 AZP 90.44 TAL 170.78 TAP 253.17 RCA 71.58 APO 152.78 V2 34.799
 RC 43.079 GL -12.85 GP 1.15 ZAL 72.34 ZAP 8.02 ETS 188.65 ZAE 167.08 ETE 83.08 ZAC 105.38 ETC 15.52 CLP 7.93

PLANETOCENTRIC CONIC

C3 37.818 VML 6.150 DLA -10.59 RAL 172.09 RAD 6568.5 VEL 12.617 PTH 2.29 VHP 12.825 DPA 12.31 RAP 162.52 ECC 1.6224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 14 2037.43 -14.91 30.57 42.01 114.35 8 13 12 1437.4 -11.50 23.55
 90.00 16 55 20 5350.99 27.69 244.02 48.71 83.84 18 24 31 4751.0 26.55 235.54
 100.00 8 55 18 1792.02 -16.19 11.91 41.40 115.48 9 25 10 1192.0 -12.63 4.93
 100.00 18 21 57 5071.63 29.09 223.29 48.52 82.79 19 46 28 4471.6 27.78 214.72
 110.00 9 51 35 1615.80 -19.55 356.73 39.59 118.61 10 18 31 1015.8 -15.58 349.86
 110.00 19 42 10 4820.62 32.82 203.56 47.86 79.86 21 2 30 4220.6 31.08 194.78

DIFFERENTIAL CORRECTIONS

TOE .5458 TRA-1.1244 TC3 .0316 BAU .0595
 RDE -.4140 RRA -.2091 RC3 .1134 FAU .02122
 FDE -.5156 FRA .6404 FC3 -.4858 BSP 3535
 BOE .6851 BRA 1.1437 BC3 .1177 FSP -207

MID-COURSE EXECUTION ACCURACY

SGT 1181.5 SGR 455.5 SG3 84.5
 RRT .0380 RRF -.0411 RTF -.7915
 SGB 1266.2 R23 -.0058 R13 -.7915
 SG1 1181.6 SG2 455.1 THA .99

ORBIT DETERMINATION ACCURACY

ST 600.7 SR 390.3 SS 569.7
 CRT -.7556 CRS -.8692 CST .9797
 LSA 886.8 MSA 226.0 SSA 16.0
 EL1 679.8 EL2 225.9 ALF 150.24

LAUNCH DATE MAY 31 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 211.687

RL 151.67 LAL .00 LOL 248.88 VL 24.102 GAL 4.82 AZL 93.33 HCA 85.56 SMA 113.51 ECC .34534 INC 3.3306 V1 29.375
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.617 GAP -20.07 AZP 90.26 TAL 170.74 TAP 256.30 RCA 74.31 APO 152.71 V2 34.804
 RC 42.876 GL -13.81 GP 1.22 ZAL 72.58 ZAP 6.47 ETS 191.16 ZAE 166.23 ETE 71.52 ZAC 103.83 ETC 15.31 CLP 6.35

PLANETOCENTRIC CONIC

C3 34.151 VML 5.844 DLA -11.40 RAL 171.54 RAD 6568.3 VEL 12.471 PTH 2.26 VHP 12.208 DPA 11.78 RAP 164.04 ECC 1.5620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 46 1984.58 -13.41 27.42 39.78 115.18 8 16 50 1384.6 -9.90 20.49
 90.00 16 46 25 5352.30 27.70 244.11 46.58 83.88 18 15 37 4752.3 26.57 235.63
 100.00 8 59 21 1740.71 -14.66 8.86 39.15 116.34 9 28 22 1140.7 -11.00 1.98
 100.00 18 13 31 5071.41 29.09 223.27 46.39 82.78 19 38 2 4471.4 27.78 214.71
 110.00 9 54 35 1567.77 -17.96 353.92 37.33 119.58 10 20 42 967.8 -13.89 347.17
 110.00 19 34 47 4817.11 32.78 203.30 45.73 79.71 20 55 4 4217.1 31.01 194.52

DIFFERENTIAL CORRECTIONS

TOE .5506 TRA-1.1013 TC3 .0669 BAU .0652
 RDE -.3880 RRA -.1956 RC3 .1261 FAU .02229
 FDE -.5482 FRA .6537 FC3 -.5651 BSP 3710
 BOE .6736 BRA 1.1185 BC3 .1427 FSP -231

MID-COURSE EXECUTION ACCURACY

SGT 1229.2 SGR 452.4 SG3 92.8
 RRT .0389 RRF -.0428 RTF -.8048
 SGB 1309.8 R23 -.0065 R13 -.8048
 SG1 1229.3 SG2 452.0 THA .95

ORBIT DETERMINATION ACCURACY

ST 633.0 SR 384.9 SS 603.9
 CRT -.7632 CRS -.8752 CST .9797
 LSA 929.2 MSA 223.3 SSA 16.2
 EL1 706.5 EL2 222.8 ALF 152.09

LAUNCH DATE MAY 31 1967

FLIGHT TIME 92.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 218.353

RL 151.67 LAL .00 LOL 248.88 VL 24.370 GAL 4.49 AZL 93.36 HCA 88.72 SMA 114.79 ECC .32974 INC 3.3552 V1 29.375
 RP 108.87 LAP -3.35 LOP 337.59 VP 35.805 GAP -19.03 AZP 90.08 TAL 170.75 TAP 259.48 RCA 76.94 APO 152.64 V2 34.809
 RC 42.849 GL -14.82 GP 1.29 ZAL 72.92 ZAP 4.93 ETS 195.43 ZAE 164.96 ETE 61.54 ZAC 102.30 ETC 15.10 CLP 4.76

PLANETOCENTRIC CONIC

C3 30.911 VML 5.560 DLA -12.22 RAL 170.88 RAD 6568.2 VEL 12.340 PTH 2.23 VHP 11.613 DPA 11.25 RAP 165.55 ECC 1.5087
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 56 1932.20 -11.87 24.34 37.53 115.90 8 20 9 1332.2 -8.29 17.49
 90.00 16 36 58 5354.49 27.72 244.27 44.38 83.96 18 6 13 4754.5 26.59 235.79
 100.00 9 3 2 1689.92 -13.11 5.89 36.90 117.11 9 31 12 1089.9 -9.37 359.10
 100.00 18 4 34 5072.00 29.09 223.31 44.20 82.80 19 29 6 4472.0 27.79 214.75
 110.00 9 57 11 1520.36 -16.35 351.19 35.06 120.45 10 22 31 920.4 -12.18 344.56
 110.00 19 26 55 4814.32 32.75 203.09 43.54 79.59 20 47 9 4214.3 30.96 194.32

DIFFERENTIAL CORRECTIONS

TOE .5546 TRA-1.0788 TC3 .1062 BAU .0725
 RDE -.3630 RRA -.1827 RC3 .1396 FAU .02346
 FDE -.5840 FRA .6673 FC3 -.6570 BSP 3839
 BOE .6629 BRA 1.0941 BC3 .1754 FSP -256

MID-COURSE EXECUTION ACCURACY

SGT 1278.5 SGR 448.5 SG3 101.9
 RRT .0412 RRF -.0450 RTF -.8162
 SGB 1354.9 R23 -.0067 R13 -.8162
 SG1 1278.6 SG2 448.1 THA .94

ORBIT DETERMINATION ACCURACY

ST 665.7 SR 378.6 SS 640.3
 CRT -.7702 CRS -.8810 CST .9795
 LSA 973.4 MSA 220.6 SSA 16.4
 EL1 733.8 EL2 219.1 ALF 153.84

LAUNCH DATE MAY 31 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 225.036

RL 151.67 LAL .00 LOL 248.88 VL 24.618 GAL 4.17 AZL 93.38 HCA 91.89 SMA 116.01 ECC .31509 INC 3.3797 V1 29.375
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.980 GAP -18.03 AZP 89.89 TAL 170.82 TAP 262.71 RCA 79.46 APO 152.56 V2 34.815
 RC 42.995 GL -15.86 GP 1.38 ZAL 73.36 ZAP 3.42 ETS 203.83 ZAE 163.37 ETE 53.32 ZAC 100.78 ETC 14.91 CLP 3.13

PLANETOCENTRIC CONIC

C3 28.053 VHL 5.297 DLA -13.02 RAL 170.11 RAD 6568.1 VEL 12.224 PTH 2.20 VHP 11.041 DPA 10.73 RAP 167.03 ECC 1.4617
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 46 1880.45 -10.31 21.33 35.27 116.52 8 23 7 1280.4 -6.67 14.55
 90.00 16 27 1 5357.66 27.74 244.50 42.12 84.07 17 56 18 4757.7 26.63 236.01
 100.00 9 6 21 1639.82 -11.53 3.01 34.63 117.77 9 33 41 1039.8 -7.73 356.28
 100.00 17 55 7 5073.53 29.10 223.42 41.95 82.86 19 19 40 4473.5 27.81 214.86
 110.00 9 59 23 1473.74 -14.72 348.56 32.78 121.21 10 23 57 873.7 -10.48 342.02
 110.00 19 18 35 4812.38 32.72 202.94 41.29 79.51 20 38 47 4212.4 30.93 194.18

DIFFERENTIAL CORRECTIONS

TDE .5611 TRA-1.0529 TC3 .1547 BAU .0819
 RDE -.3390 RRA -.1704 RC3 .1539 FAU .02479
 FDE -.6242 FRA .6804 FC3 -.7652 BSP 4016
 BDE .6556 BRA 1.0666 BC3 .2183 FSP -285

MID-COURSE EXECUTION ACCURACY

SGT 1327.4 SGR 443.7 SG3 112.1
 RRT .0429 RRF -.0477 RTF -.8279
 SGB 1399.6 R23 -.0077 R13 -.8279
 SG1 1327.6 SG2 443.2 THA .92

ORBIT DETERMINATION ACCURACY

ST 701.1 SR 371.1 SS 679.8
 CRT -.7790 CRS -.8872 CST .9797
 LSA 1021.8 MSA 216.6 SSA 16.6
 EL1 763.9 EL2 213.5 ALF 155.56

LAUNCH DATE MAY 31 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 231.733

RL 151.67 LAL .00 LOL 248.88 VL 24.848 GAL 3.87 AZL 93.40 HCA 95.05 SMA 117.17 ECC .30138 INC 3.4043 V1 29.375
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.144 GAP -17.07 AZP 89.70 TAL 170.93 TAP 265.99 RCA 81.86 APO 152.49 V2 34.822
 RC 43.312 GL -16.94 GP 1.47 ZAL 73.90 ZAP 2.09 ETS 224.75 ZAE 161.59 ETE 46.70 ZAC 99.29 ETC 14.73 CLP 1.48

PLANETOCENTRIC CONIC

C3 25.536 VHL 5.053 DLA -13.82 RAL 169.24 RAD 6568.0 VEL 12.121 PTH 2.17 VHP 10.489 DPA 10.23 RAP 168.49 ECC 1.4203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 15 1829.50 -8.75 18.41 33.00 117.04 8 25 45 1229.5 -5.05 11.68
 90.00 16 16 32 5361.94 27.77 244.81 39.83 84.23 17 45 54 4761.9 26.68 236.31
 100.00 9 9 18 1590.58 -9.96 .20 32.36 118.33 9 35 49 990.6 -6.09 353.54
 100.00 17 45 11 5076.09 29.13 223.61 39.65 82.96 19 9 47 4476.1 27.84 215.04
 110.00 10 1 11 1428.07 -13.09 346.02 30.50 121.86 10 24 59 828.1 -8.79 339.57
 110.00 19 9 47 4811.36 32.71 202.86 39.01 79.46 20 29 58 4211.4 30.91 194.10

DIFFERENTIAL CORRECTIONS

TDE .5689 TRA-1.0249 TC3 .2113 BAU .0924
 RDE -.3160 RRA -.1586 RC3 .1690 FAU .02629
 FDE -.6693 FRA .6930 FC3 -.8914 BSP 4200
 BDE .6508 BRA 1.0371 BC3 .2705 FSP -319

MID-COURSE EXECUTION ACCURACY

SGT 1376.2 SGR 438.0 SG3 123.5
 RRT .0448 RRF -.0508 RTF -.8391
 SGB 1444.2 R23 -.0090 R13 -.8392
 SG1 1376.4 SG2 437.5 THA .91

ORBIT DETERMINATION ACCURACY

ST 738.3 SR 362.6 SS 722.5
 CRT -.7887 CRS -.8934 CST .9801
 LSA 1074.0 MSA 211.9 SSA 16.8
 EL1 796.1 EL2 206.7 ALF 157.20

LAUNCH DATE MAY 31 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 238.440

RL 151.67 LAL .00 LOL 248.88 VL 25.060 GAL 3.57 AZL 93.43 HCA 98.22 SMA 118.28 ECC .28857 INC 3.4291 V1 29.375
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.298 GAP -16.15 AZP 89.51 TAL 171.10 TAP 269.32 RCA 84.15 APO 152.41 V2 34.830
 RC 43.796 GL -18.05 GP 1.57 ZAL 74.54 ZAP 1.58 ETS 277.32 ZAE 159.72 ETE 41.38 ZAC 97.83 ETC 14.56 CLP -1.20

PLANETOCENTRIC CONIC

C3 23.322 VHL 4.829 DLA -14.61 RAL 168.26 RAD 6567.9 VEL 12.029 PTH 2.15 VHP 9.959 DPA 9.74 RAP 169.92 ECC 1.3838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 24 1779.51 -7.19 15.56 30.73 117.46 8 28 4 1179.5 -3.45 8.87
 90.00 16 5 35 5367.40 27.81 245.21 37.50 84.42 17 35 2 4767.4 26.74 236.70
 100.00 9 11 54 1542.37 -8.39 357.48 30.09 118.80 9 37 36 942.4 -4.48 350.87
 100.00 17 34 46 5079.77 29.16 223.88 37.33 83.09 18 59 26 4479.8 27.89 215.31
 110.00 10 2 36 1383.54 -11.48 343.58 28.23 122.42 10 25 40 783.5 -7.12 337.20
 110.00 19 0 33 4811.36 32.71 202.86 36.69 79.46 20 20 45 4211.4 30.91 194.10

DIFFERENTIAL CORRECTIONS

TDE .5797 TRA -.9952 TC3 .2764 BAU .1036
 RDE -.2940 RRA -.1475 RC3 .1846 FAU .02800
 FDE -.7204 FRA .7051 FC3-1.0392 BSP 4403
 BDE .6500 BRA 1.0060 BC3 .3323 FSP -357

MID-COURSE EXECUTION ACCURACY

SGT 1425.8 SGR 431.4 SG3 136.2
 RRT .0462 RRF -.0548 RTF -.8500
 SGB 1489.7 R23 -.0115 R13 -.8500
 SG1 1426.0 SG2 430.9 THA .88

ORBIT DETERMINATION ACCURACY

ST 779.1 SR 353.0 SS 769.0
 CRT -.7997 CRS -.8998 CST .9809
 LSA 1131.4 MSA 206.4 SSA 16.9
 EL1 832.0 EL2 198.5 ALF 158.82

LAUNCH DATE MAY 31 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 245.153

RL 151.67 LAL .00 LOL 248.88 VL 25.256 GAL 3.29 AZL 93.45 HCA 101.39 SMA 119.33 ECC .27663 INC 3.4544 V1 29.375
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.441 GAP -15.26 AZP 89.32 TAL 171.31 TAP 272.70 RCA 86.32 APO 152.34 V2 34.838
 RC 44.440/GL -19.18 GP 1.68 ZAL 75.27 ZAP 2.56 ETS 318.76 ZAE 157.85 ETE 37.10 ZAC 96.41 ETC 14.40 CLP -1.93

PLANETOCENTRIC CONIC

C3 21.379 VHL 4.624 DLA -15.39 RAL 167.18 RAD 6567.9 VEL 11.948 PTH 2.13 VHP 9.449 DPA 9.27 RAP 171.31 ECC 1.3519
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 1 14 1730.64 -5.65 12.80 28.48 117.79 8 30 5 1130.6 -1.88 6.14
 90.00 15 54 10 5374.10 27.85 245.69 35.15 84.66 17 23 44 4774.1 26.82 237.18
 100.00 9 14 9 1495.35 -6.84 354.85 27.83 119.17 9 39 5 895.3 -2.89 348.28
 100.00 17 23 56 5084.62 29.20 224.24 34.99 83.28 18 48 41 4484.6 27.96 215.65
 110.00 10 3 39 1340.31 -9.89 341.24 25.97 122.89 10 25 59 740.3 -5.49 334.91
 110.00 18 50 56 4812.43 32.72 202.94 34.37 79.51 20 11 8 4212.4 30.93 194.18

DIFFERENTIAL CORRECTIONS

TDE .5888 TRA -.9635 TC3 .3514 BAU .1157
 RDE -.2729 RRA -.1371 RC3 .2007 FAU .02988
 FDE -.7772 FRA .7176 FC3-1.2099 BSP 4619
 BDE .6489 BRA .9732 BC3 .4047 FSP -399

MID-COURSE EXECUTION ACCURACY

SGT 1473.5 SGR 424.0 SG3 150.4
 RRT -.0510 RRF -.0603 RTF -.8609
 SGB 1533.3 R23 -.0125 R13 -.8610
 SG1 1473.7 SG2 423.4 THA .92

ORBIT DETERMINATION ACCURACY

ST 818.8 SR 342.3 SS 818.5
 CRT -.8100 CRS -.9058 CST .9816
 LSA 1190.3 MSA 200.8 SSA 17.0
 EL1 866.9 EL2 189.6 ALF 160.31

LAUNCH DATE MAY 31 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 251.870

RL 151.67 LAL .00 LOL 248.88 VL 25.436 GAL 3.02 AZL 93.48 HCA 104.56 SMA 120.32 ECC .26553 INC 3.4803 V1 29.375
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.574 GAP -14.40 AZP 89.12 TAL 171.56 TAP 276.13 RCA 88.37 APO 152.26 V2 34.846
 RC 45.237 GL -20.34 GP 1.81 ZAL 76.08 ZAP 4.12 ETS 333.74 ZAE 156.03 ETE 33.64 ZAC 95.02 ETC 14.25 CLP -3.70

PLANETOCENTRIC CONIC

C3 19.679 VHL 4.436 DLA -16.15 RAL 166.02 RAD 6567.8 VEL 11.877 PTH 2.11 VHP 8.958 DPA 8.84 RAP 172.66 ECC 1.3239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 46 1683.02 -4.13 10.12 26.24 118.04 8 31 49 1083.0 -3.35 3.49
 90.00 15 42 21 5382.08 27.90 246.27 32.80 84.95 17 12 3 4782.1 26.91 237.74
 100.00 9 16 5 1449.66 -5.31 352.32 25.58 119.46 9 40 15 849.7 -1.35 345.77
 100.00 17 12 43 5090.67 29.24 224.68 32.64 83.51 18 37 33 4490.7 28.04 216.08
 110.00 10 4 20 1298.52 -8.34 339.00 23.73 123.27 10 25 58 698.5 -3.90 332.72
 110.00 18 40 57 4814.58 32.75 203.11 32.04 79.60 20 1 12 4214.6 30.97 194.34

DIFFERENTIAL CORRECTIONS

TDE .5985 TRA -.9330 TC3 .4290 BAU .1265
 RDE -.2526 RRA -.1273 RC3 .2171 FAU .03199
 FDE -.8410 FRA .7301 FC3-1.4072 BSP 4779
 BDE .6496 BRA .9416 BC3 .4808 FSP -446

MID-COURSE EXECUTION ACCURACY

SGT 1521.9 SGR 415.8 SG3 166.2
 RRT .0568 RRF -.0677 RTF -.8696
 SGB 1577.7 R23 -.0144 R13 -.8697
 SG1 1522.1 SG2 415.1 THA .96

ORBIT DETERMINATION ACCURACY

ST 859.8 SR 330.4 SS 871.6
 CRT -.8196 CRS -.9115 CST .9821
 LSA 1252.8 MSA 195.4 SSA 17.1
 EL1 903.3 EL2 180.1 ALF 161.77

LAUNCH DATE MAY 31 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 258.588

RL 151.67 LAL .00 LOL 248.88 VL 25.602 GAL 2.77 AZL 93.51 HCA 107.74 SMA 121.25 ECC .25524 INC 3.5069 V1 29.375
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.699 GAP -13.57 AZP 88.93 TAL 171.86 TAP 279.60 RCA 90.30 APO 152.19 V2 34.856
 RC 46.178 GL -21.51 GP 1.96 ZAL 76.97 ZAP 5.87 ETS 340.28 ZAE 154.32 ETE 30.82 ZAC 93.68 ETC 14.11 CLP -5.53

PLANETOCENTRIC CONIC

C3 18.193 VHL 4.265 DLA -16.90 RAL 164.77 RAD 6567.7 VEL 11.814 PTH 2.09 VHP 8.486 DPA 8.43 RAP 173.96 ECC 1.2994
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 0 1636.80 -2.65 7.54 24.02 118.20 8 33 17 1036.8 1.15 .91
 90.00 15 30 10 5391.32 27.95 246.94 30.45 85.28 17 0 1 4791.3 27.00 238.40
 100.00 9 17 42 1405.45 -3.83 349.88 23.36 119.67 9 41 7 805.4 .15 343.35
 100.00 17 1 9 5097.90 29.30 225.21 30.30 83.78 18 26 7 4497.9 28.13 216.60
 110.00 10 4 40 1258.30 -6.83 336.86 21.51 123.58 10 25 38 658.3 -2.37 330.61
 110.00 18 30 40 4817.82 32.79 203.35 29.72 79.74 19 50 58 4217.8 31.03 194.57

DIFFERENTIAL CORRECTIONS

TDE .6090 TRA -.9004 TC3 .5147 BAU .1375
 RDE -.2332 RRA -.1182 RC3 .2339 FAU .03437
 FDE -.9136 FRA .7422 FC3-1.6354 BSP 4943
 BDE .6521 BRA .9082 BC3 .5653 FSP -499

MID-COURSE EXECUTION ACCURACY

SGT 1568.4 SGR 406.8 SG3 184.1
 RRT .0646 RRF -.0772 RTF -.8780
 SGB 1620.3 R23 -.0164 R13 -.8781
 SG1 1568.7 SG2 405.9 THA 1.03

ORBIT DETERMINATION ACCURACY

ST 901.8 SR 317.2 SS 929.1
 CRT -.8294 CRS -.9170 CST .9828
 LSA 1319.4 MSA 189.8 SSA 17.1
 EL1 940.7 EL2 169.9 ALF 163.17

LAUNCH DATE MAY 31 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 265.304

RL 151.67 LAL .00 LOL 248.88 VL 25.755 GAL 2.53 AZL 93.53 HCA 110.91 SMA 122.12 ECC .24573 INC 3.5345 V1 29.375
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.814 GAP -12.77 AZP 88.74 TAL 172.19 TAP 283.10 RCA 92.11 APO 152.13 V2 34.865
 RC 47.255 GL -22.70 GP 2.12 ZAL 77.92 ZAP 7.72 ETS 343.77 ZAE 152.75 ETE 28.53 ZAC 92.40 ETC 13.98 CLP -7.42

PLANETOCENTRIC CONIC

C3 16.899 VHL 4.111 DLA -17.63 RAL 163.45 RAD 6567.7 VEL 11.759 PTH 2.08 VHP 8.034 DPA 8.06 RAP 175.21 ECC 1.2781
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 59 1592.08 -1.20 5.04 21.83 118.29 8 34 31 992.1 2.59 358.41
 90.00 15 17 40 5401.83 28.01 247.70 28.13 85.66 16 47 42 4801.8 27.11 239.15
 100.00 9 19 2 1362.82 -2.39 347.53 21.17 119.81 9 41 45 762.8 1.60 341.01
 100.00 16 49 18 5106.32 29.36 225.83 27.99 84.10 18 14 25 4506.3 28.23 217.21
 110.00 10 4 41 1219.78 -5.38 334.83 19.32 123.81 10 25 1 619.8 -.90 328.60
 110.00 18 20 8 4822.13 32.84 203.68 27.42 79.93 19 40 30 4222.1 31.10 194.88

DIFFERENTIAL CORRECTIONS

TDE .6194 TRA -.8673 TC3 .6050 BAU .1480
 RDE -.2144 RRA -.1098 RC3 .2508 FAU .03705
 FDE -.9955 FRA .7544 FC3-1.8978 BSP 5096
 BDE .6555 BRA .8742 BC3 .6549 FSP -559

MID-COURSE EXECUTION ACCURACY

SGT 1612.9 SGR 397.0 SG3 204.0
 RRT .0754 RRF -.0898 RTF -.8856
 SGB 1661.0 R23 -.0189 R13 -.8857
 SG1 1613.2 SG2 395.8 THA 1.13

ORBIT DETERMINATION ACCURACY

ST 943.5 SR 302.8 SS 990.6
 CRT -.8386 CRS -.9220 CST .9835
 LSA 1388.8 MSA 184.5 SSA 17.1
 EL1 978.1 EL2 159.1 ALF 164.52

LAUNCH DATE MAY 31 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 272.015

RL 151.67 LAL .00 LOL 248.88 VL 25.894 GAL 2.30 AZL 93.56 HCA 114.09 SMA 122.94 ECC .23695 INC 3.5633 V1 29.375
 RP 108.66 LAP -3.25 LOP 361.01 VP 36.922 GAP -12.00 AZP 88.54 TAL 172.55 TAP 286.64 RCA 93.81 APO 152.07 V2 34.875
 RC 48.458 GL -23.88 GP 2.31 ZAL 78.91 ZAP 9.66 ETS 345.87 ZAE 151.35 ETE 26.65 ZAC 91.18 ETC 13.86 CLP -9.39

PLANETOCENTRIC CONIC

C3 15.777 VHL 3.972 DLA -18.34 RAL 162.08 RAD 6567.6 VEL 11.712 PTH 2.06 VHP 7.599 DPA 7.74 RAP 176.41 ECC 1.2596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 9 45 1548.93 .19 2.63 19.69 118.32 8 35 34 948.9 3.97 356.00
 90.00 15 4 56 5413.58 28.07 248.56 25.84 86.08 16 35 9 4813.6 27.23 239.99
 100.00 9 20 7 1321.86 -1.00 345.28 19.03 119.88 9 42 9 721.9 2.98 338.76
 100.00 16 37 15 5115.89 29.42 226.53 25.71 84.47 18 2 30 4515.9 28.34 217.90
 110.00 10 4 26 1183.02 -3.98 332.90 17.17 123.98 10 24 9 583.0 .51 326.69
 110.00 18 9 25 4827.49 32.90 204.08 25.16 80.16 19 29 53 4227.5 31.20 195.27

DIFFERENTIAL CORRECTIONS

TDE .6303 TRA -.8330 TC3 .6995 BAU .1580
 RDE -.1962 RRA -.1021 RC3 .2678 FAU .04008
 FDE -1.0888 FRA .7664 FC3-2.1994 BSP 5256
 BDE .6601 BRA .8392 BC3 .7490 FSP -627

MID-COURSE EXECUTION ACCURACY

SGT 1654.7 SGR 386.6 SG3 226.6
 RRT .0895 RRF -.1064 RTF -.8927
 SGB 1699.2 R23 -.0219 R13 -.8928
 SG1 1655.0 SG2 385.0 THA 1.27

ORBIT DETERMINATION ACCURACY

ST 985.4 SR 286.9 SS 1057.0
 CRT -.8473 CRS -.9265 CST .9843
 LSA 1462.2 MSA 179.3 SSA 16.9
 EL1 1015.7 EL2 147.9 ALF 165.84

LAUNCH DATE MAY 31 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 278.719

RL 151.67 LAL .00 LOL 248.88 VL 26.022 GAL 2.08 AZL 93.59 HCA 117.27 SMA 123.70 ECC .22889 INC 3.5935 V1 29.375
 RP 108.63 LAP -3.19 LOP 6.19 VP 37.022 GAP -11.26 AZP 88.35 TAL 172.94 TAP 290.21 RCA 95.38 APO 152.01 V2 34.886
 RC 49.776 GL -25.06 GP 2.52 ZAL 79.95 ZAP 11.71 ETS 347.22 ZAE 150.13 ETE 25.14 ZAC 90.03 ETC 13.75 CLP -11.43

PLANETOCENTRIC CONIC

C3 14.806 VHL 3.848 DLA -19.02 RAL 160.66 RAD 6567.6 VEL 11.670 PTH 2.05 VHP 7.182 DPA 7.48 RAP 177.54 ECC 1.2437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 21 1507.41 -1.53 .32 17.60 118.28 8 36 29 907.4 5.30 353.67
 90.00 14 52 0 5426.56 28.12 249.50 23.60 86.55 16 22 27 4826.6 27.35 240.92
 100.00 9 21 1 1282.62 .33 343.13 16.94 119.89 9 42 24 682.6 4.31 336.60
 100.00 16 25 2 5126.59 29.49 227.32 23.48 84.88 17 50 28 4526.6 28.47 218.67
 110.00 10 3 57 1148.10 -2.65 331.07 15.07 124.09 10 23 5 548.1 1.84 324.86
 110.00 17 58 36 4833.87 32.98 204.57 22.96 80.44 19 19 9 4233.9 31.31 195.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6409 TRA -1.7986 TC3 .7944 BAU .1671 SGT 1693.1 SGR 375.6 SG3 251.9 ST 1026.4 SR 269.5 SS 1128.2
 RDE -.1784 RRA -.0951 RC3 .2850 FAU .04348 RRT .1083 RRF -.1279 RTF -.8989 CRT -.8548 CRS -.9303 CST .9850
 FDE-1.1951 FRA .7787 FC3-2.5425 BSP 5390 SGB 1734.3 R23 -.0257 R13 -.8991 LSA 1539.0 MSA 174.6 SSA 16.7
 BDE .6653 BRA .8042 BC3 .8440 FSP -704 SG1 1693.7 SG2 373.3 THA 1.45 EL1 1052.4 EL2 136.4 ALF 167.13

LAUNCH DATE MAY 31 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 285.415

RL 151.67 LAL .00 LOL 248.88 VL 26.139 GAL 1.88 AZL 93.63 HCA 120.45 SMA 124.40 ECC .22151 INC 3.6256 V1 29.375
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.114 GAP -10.54 AZP 88.16 TAL 173.35 TAP 293.80 RCA 96.85 APO 151.96 V2 34.897
 RC 51.201 GL -26.23 GP 2.77 ZAL 81.01 ZAP 13.85 ETS 348.13 ZAE 149.13 ETE 23.95 ZAC 88.96 ETC 13.64 CLP -13.57

PLANETOCENTRIC CONIC

C3 13.971 VHL 3.738 DLA -19.69 RAL 159.21 RAD 6567.6 VEL 11.634 PTH 2.04 VHP 6.783 DPA 7.28 RAP 178.60 ECC 1.2299
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 51 1467.51 2.81 358.09 15.58 118.19 8 37 18 867.5 6.56 351.42
 90.00 14 38 58 5440.77 28.18 250.54 21.42 87.07 16 9 39 4840.8 27.47 241.94
 100.00 9 21 46 1245.10 1.60 341.07 14.91 119.85 9 42 31 645.1 5.56 334.52
 100.00 16 12 44 5138.40 29.56 228.19 21.32 85.33 17 38 22 4538.4 28.60 219.52
 110.00 10 3 17 1115.01 -1.39 329.34 13.04 124.16 10 21 52 515.0 3.11 323.13
 110.00 17 47 43 4841.26 33.06 205.13 20.82 80.76 19 8 24 4241.3 31.43 196.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6513 TRA -1.7628 TC3 .8909 BAU .1757 SGT 1727.0 SGR 364.4 SG3 280.5 ST 1065.9 SR 250.3 SS 1205.0
 RDE -.1608 RRA -.0887 RC3 .3026 FAU .04736 RRT .1333 RRF -.1560 RTF -.9049 CRT -.8612 CRS -.9332 CST .9858
 FDE-1.3167 FRA .7902 FC3-2.9348 BSP 5519 SGB 1765.0 R23 -.0301 R13 -.9051 LSA 1619.1 MSA 170.2 SSA 16.4
 BDE .6709 BRA .7679 BC3 .9409 FSP -793 SG1 1727.7 SG2 361.0 THA 1.68 EL1 1087.7 EL2 124.7 ALF 168.41

LAUNCH DATE MAY 31 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 292.101

RL 151.67 LAL .00 LOL 248.88 VL 26.245 GAL 1.70 AZL 93.66 HCA 123.63 SMA 125.06 ECC .21476 INC 3.6599 V1 29.375
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.200 GAP -9.84 AZP 87.97 TAL 173.77 TAP 297.41 RCA 98.20 APO 151.91 V2 34.908
 RC 52.722 GL -27.38 GP 3.05 ZAL 82.08 ZAP 16.10 ETS 348.75 ZAE 148.34 ETE 23.05 ZAC 87.99 ETC 13.53 CLP -15.82

PLANETOCENTRIC CONIC

C3 13.257 VHL 3.641 DLA -20.33 RAL 157.75 RAD 6567.5 VEL 11.604 PTH 2.03 VHP 6.402 DPA 7.15 RAP 179.57 ECC 1.2182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 18 1429.15 4.05 355.94 13.64 118.05 8 38 7 829.2 7.77 349.24
 90.00 14 25 51 5456.22 28.23 251.67 19.33 87.63 15 56 47 4856.2 27.60 243.06
 100.00 9 22 26 1209.26 2.82 339.10 12.96 119.77 9 42 36 609.3 6.76 332.53
 100.00 16 0 24 5151.34 29.63 229.15 19.24 85.83 17 26 15 4551.3 28.73 220.46
 110.00 10 2 30 1083.73 -.19 327.71 11.08 124.18 10 20 33 483.7 4.30 321.50
 110.00 17 36 50 4849.64 33.15 205.76 18.77 81.13 18 57 40 4249.6 31.57 196.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6627 TRA -1.7252 TC3 .9886 BAU .1842 SGT 1756.9 SGR 353.1 SG3 313.1 ST 1105.2 SR 229.1 SS 1288.5
 RDE -.1431 RRA -.0830 RC3 .3208 FAU .05182 RRT .1660 RRF -.1927 RTF -.9109 CRT -.8665 CRS -.9349 CST .9867
 FDE-1.4572 FRA .8003 FC3-3.3840 BSP 5672 SGB 1792.0 R23 -.0358 R13 -.9111 LSA 1704.8 MSA 165.6 SSA 16.0
 BDE .6780 BRA .7299 BC3 1.0393 FSP -895 SG1 1757.9 SG2 348.0 THA 1.99 EL1 1123.0 EL2 112.5 ALF 169.71

LAUNCH DATE MAY 31 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 298.774

RL 151.67 LAL .00 LOL 248.88 VL 26.342 GAL 1.52 AZL 93.70 HCA 126.82 SMA 125.66 ECC .20863 INC 3.6968 V1 29.375
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.279 GAP -9.17 AZP 87.78 TAL 174.21 TAP 301.02 RCA 99.44 APO 151.87 V2 34.920
 RC 54.330 GL -28.51 GP 3.38 ZAL 83.14 ZAP 18.49 ETS 349.17 ZAE 147.79 ETE 22.43 ZAC 87.12 ETC 13.43 CLP -18.19

PLANETOCENTRIC CONIC

C3 12.651 VHL 3.557 DLA -20.95 RAL 156.29 RAD 6567.5 VEL 11.577 PTH 2.02 VHP 6.038 DPA 7.12 RAP 180.46 ECC 1.2082
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 49 1392.21 5.22 353.87 11.79 117.87 8 39 2 792.2 8.91 347.13
 90.00 14 12 42 5473.01 28.27 252.89 17.33 88.25 15 43 55 4873.0 27.72 244.27
 100.00 9 23 8 1174.98 3.97 337.21 11.10 119.65 9 42 43 575.0 7.89 330.62
 100.00 15 48 5 5165.48 29.69 230.19 17.25 86.37 17 14 10 4565.5 28.87 221.49
 110.00 10 1 41 1054.16 .94 326.17 9.21 124.17 10 19 15 454.2 5.42 319.94
 110.00 17 26 1 4859.06 33.24 206.48 16.81 81.54 18 47 0 4259.1 31.72 197.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6700 TRA -1.6896 TC3 1.0713 BAU .1901 SGT 1777.8 SGR 342.3 SG3 349.5 ST 1137.0 SR 205.4 SS 1376.2
 RDE -.1250 RRA -.0781 RC3 .3400 FAU .05673 RRT .2091 RRF -.2403 RTF -.9150 CRT -.8677 CRS -.9344 CST .9873
 FDE-1.6158 FRA .8122 FC3-3.8821 BSP 5748 SGB 1810.4 R23 -.0429 R13 -.9154 LSA 1789.5 MSA 162.6 SSA 15.6
 BDE .6816 BRA .6940 BC3 1.1240 FSP -1009 SG1 1779.2 SG2 334.4 THA 2.39 EL1 1151.0 EL2 100.9 ALF 171.02

LAUNCH DATE MAY 31 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 305.434

RL 151.67 LAL .00 LOL 248.88 VL 26.429 GAL 1.36 AZL 93.74 HCA 130.00 SMA 126.21 ECC .20307 INC 3.7370 V1 29.375
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.352 GAP -8.52 AZP 87.60 TAL 174.64 TAP 304.64 RCA 100.58 APO 151.84 V2 34.932
 RC 56.016 GL -29.62 GP 3.76 ZAL 84.17 ZAP 21.01 ETS 349.45 ZAE 147.48 ETE 22.09 ZAC 86.36 ETC 13.34 CLP -20.69

PLANETOCENTRIC CONIC

C3 12.141 VHL 3.484 DLA -21.55 RAL 154.85 RAD 6567.5 VEL 11.555 PTH 2.02 VHP 5.692 DPA 7.18 RAP 181.24 ECC 1.1998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 31 1356.45 6.36 351.85 10.05 117.65 8 40 8 756.4 10.01 345.08
 90.00 13 59 32 5491.30 28.30 254.23 15.44 88.92 15 31 3 4891.3 27.85 245.60
 100.00 9 23 57 1142.07 5.08 335.40 9.35 119.50 9 42 59 542.1 8.97 328.77
 100.00 15 35 47 5180.92 29.75 231.34 15.38 86.97 17 2 8 4580.9 29.02 222.61
 110.00 10 0 55 1026.16 2.01 324.71 7.44 124.13 10 18 2 426.2 6.48 318.47
 110.00 17 15 18 4869.58 33.35 207.29 14.97 82.01 18 36 27 4269.6 31.88 198.36

DIFFERENTIAL CORRECTIONS

TDE .6760 TRA -.6541 TC3 1.1449 BAU .1949
 RDE -.1060 RRA -.0738 RC3 .3611 FAU .06231
 FDE -1.7984 FRA .8241 FC3-4.4430 BSP 5803
 BDE .6842 BRA .6582 BC3 1.2005 FSP -1137

MID-COURSE EXECUTION ACCURACY

SGT 1791.5 SGR 332.8 SG3 390.8
 RRT .2647 RRF -.3014 RTF -.9186
 SGB 1822.1 R23 -.0520 R13 -.9191
 SG1 1793.7 SG2 320.5 THA 2.91

ORBIT DETERMINATION ACCURACY

ST 1164.6 SR 178.9 SS 1470.7
 CRT -.8643 CRS -.9306 CST .9878
 LSA 1877.7 MSA 160.1 SSA 15.0
 EL1 1174.9 EL2 89.2 ALF 172.39

LAUNCH DATE MAY 31 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 312.080

RL 151.67 LAL .00 LOL 248.88 VL 26.508 GAL 1.22 AZL 93.78 HCA 133.19 SMA 126.71 ECC .19805 INC 3.7812 V1 29.375
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.420 GAP -7.89 AZP 87.41 TAL 175.06 TAP 308.25 RCA 101.62 APO 151.81 V2 34.945
 RC 57.772 GL -30.70 GP 4.21 ZAL 85.17 ZAP 23.70 ETS 349.62 ZAE 147.41 ETE 22.06 ZAC 85.74 ETC 13.25 CLP -23.35

PLANETOCENTRIC CONIC

C3 11.720 VHL 3.423 DLA -22.14 RAL 153.45 RAD 6567.4 VEL 11.537 PTH 2.01 VHP 5.363 DPA 7.37 RAP 181.92 ECC 1.1929
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 32 1321.53 7.46 349.88 8.43 117.40 8 41 34 721.5 11.07 343.06
 90.00 13 46 18 5511.35 28.32 255.70 13.67 89.65 15 18 9 4911.3 27.97 247.05
 100.00 9 25 0 1110.25 6.14 333.63 7.72 119.31 9 43 30 510.2 10.00 326.97
 100.00 15 23 31 5197.87 29.81 232.60 13.63 87.63 16 50 9 4597.9 29.16 223.85
 110.00 10 0 19 999.53 3.03 323.31 5.79 124.06 10 16 59 399.5 7.48 317.05
 110.00 17 4 41 4881.35 33.45 208.19 13.26 82.53 18 26 2 4281.4 32.06 199.23

DIFFERENTIAL CORRECTIONS

TDE .6785 TRA -.6187 TC3 1.2034 BAU .1980
 RDE -.0859 RRA -.0702 RC3 .3848 FAU .06859
 FDE -2.0066 FRA .8358 FC3-5.0665 BSP 5820
 BDE .6839 BRA .6227 BC3 1.2634 FSP -1283

MID-COURSE EXECUTION ACCURACY

SGT 1793.9 SGR 325.9 SG3 437.1
 RRT .3349 RRF -.3779 RTF -.9212
 SGB 1823.3 R23 -.0638 R13 -.9219
 SG1 1797.4 SG2 306.5 THA 3.59

ORBIT DETERMINATION ACCURACY

ST 1184.3 SR 148.9 SS 1571.0
 CRT -.8520 CRS -.9204 CST .9883
 LSA 1966.6 MSA 158.3 SSA 14.3
 EL1 1191.1 EL2 77.5 ALF 173.86

LAUNCH DATE MAY 31 1967

FLIGHT TIME 122.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 318.710

RL 151.67 LAL .00 LOL 248.88 VL 26.579 GAL 1.08 AZL 93.83 HCA 136.38 SMA 127.17 ECC .19355 INC 3.8302 V1 29.375
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.482 GAP -7.28 AZP 87.23 TAL 175.47 TAP 311.85 RCA 102.56 APO 151.78 V2 34.957
 RC 59.590 GL -31.75 GP 4.74 ZAL 86.12 ZAP 26.57 ETS 349.71 ZAE 147.59 ETE 22.37 ZAC 85.26 ETC 13.17 CLP -26.18

PLANETOCENTRIC CONIC

C3 11.378 VHL 3.373 DLA -22.73 RAL 152.09 RAD 6567.4 VEL 11.522 PTH 2.01 VHP 5.052 DPA 7.70 RAP 182.47 ECC 1.1872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 3 1286.99 8.53 347.91 6.95 117.10 8 43 30 687.0 12.10 341.05
 90.00 13 32 56 5533.55 28.31 257.32 12.04 90.47 15 5 9 4933.6 28.08 248.66
 100.00 9 26 27 1079.14 7.18 331.90 6.22 119.10 9 44 26 479.1 11.00 325.20
 100.00 15 11 13 5216.63 29.85 233.99 12.02 88.37 16 38 10 4616.6 29.31 225.23
 110.00 10 0 0 973.98 4.00 321.98 4.26 123.98 10 16 14 374.0 8.44 315.69
 110.00 16 54 10 4894.56 33.57 209.20 11.70 83.12 18 15 44 4294.6 32.25 200.22

DIFFERENTIAL CORRECTIONS

TDE .6809 TRA -.5816 TC3 1.2526 BAU .2006
 RDE -.0637 RRA -.0673 RC3 .4127 FAU .07582
 FDE -2.2507 FRA .8442 FC3-5.7690 BSP 5857
 BDE .6839 BRA .5855 BC3 1.3189 FSP -1455

MID-COURSE EXECUTION ACCURACY

SGT 1788.6 SGR 323.4 SG3 490.1
 RRT .4199 RRF -.4702 RTF -.9241
 SGB 1817.6 R23 -.0787 R13 -.9252
 SG1 1793.9 SG2 292.7 THA 4.46

ORBIT DETERMINATION ACCURACY

ST 1200.7 SR 114.7 SS 1681.8
 CRT -.8203 CRS -.8944 CST .9888
 LSA 2063.7 MSA 156.1 SSA 13.5
 EL1 1204.4 EL2 65.4 ALF 175.50

LAUNCH DATE MAY 31 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 325.323

RL 151.67 LAL .00 LOL 248.88 VL 26.643 GAL .97 AZL 93.89 HCA 139.58 SMA 127.58 ECC .18952 INC 3.8854 V1 29.375
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.539 GAP -6.68 AZP 87.04 TAL 175.86 TAP 315.44 RCA 103.40 APO 151.76 V2 34.970
 RC 61.464 GL -32.79 GP 5.36 ZAL 87.00 ZAP 29.64 ETS 349.74 ZAE 148.01 ETE 23.08 ZAC 84.94 ETC 13.09 CLP -29.20

PLANETOCENTRIC CONIC

C3 11.110 VHL 3.333 DLA -23.33 RAL 150.79 RAD 6567.4 VEL 11.511 PTH 2.01 VHP 4.759 DPA 8.21 RAP 182.89 ECC 1.1828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 19 1252.12 9.61 345.91 5.63 116.76 8 46 11 652.1 13.13 339.00
 90.00 13 19 17 5558.57 28.29 259.15 10.55 91.38 14 51 56 4958.6 28.18 250.49
 100.00 9 28 29 1048.20 8.20 330.17 4.87 118.85 9 45 58 448.2 11.99 323.43
 100.00 14 58 48 5237.71 29.88 235.56 10.56 89.19 16 26 6 4637.7 29.45 226.78
 110.00 10 0 5 949.13 4.95 320.67 2.88 123.87 10 15 54 349.1 9.36 314.36
 110.00 16 43 41 4909.55 33.68 210.36 10.29 83.80 18 5 31 4309.5 32.46 201.34

DIFFERENTIAL CORRECTIONS

TDE .6753 TRA -.5472 TC3 1.2714 BAU .2001
 RDE -.0389 RRA -.0652 RC3 .4460 FAU .08376
 FDE -2.5242 FRA .8546 FC3-6.5272 BSP 5799
 BDE .6764 BRA .5511 BC3 1.3473 FSP -1643

MID-COURSE EXECUTION ACCURACY

SGT 1764.9 SGR 328.3 SG3 548.6
 RRT .5166 RRF -.5750 RTF -.9247
 SGB 1795.2 R23 -.0992 R13 -.9264
 SG1 1773.3 SG2 279.8 THA 5.63

ORBIT DETERMINATION ACCURACY

ST 1201.0 SR 76.8 SS 1795.9
 CRT -.7176 CRS -.8098 CST .9889
 LSA 2156.2 MSA 155.4 SSA 12.6
 EL1 1202.3 EL2 53.4 ALF 177.37

LAUNCH DATE MAY 31 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 331.920

RL 151.67 LAL .00 LOL 248.88 VL 26.699 GAL .86 AZL 93.95 HCA 142.77 SMA 127.95 ECC .18595 INC 3.9484 V1 29.375
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.591 GAP -6.11 AZP 86.85 TAL 176.23 TAP 319.00 RCA 104.16 APO 151.74 V2 34.983
 RC 63.388 GL -33.81 GP 6.12 ZAL 87.81 ZAP 32.94 ETS 349.71 ZAE 148.66 ETE 24.30 ZAC 84.80 ETC 13.03 CLP -32.43

PLANETOCENTRIC CONIC

C3 10.911 VHL 3.303 DLA -23.94 RAL 149.55 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 4.486 DPA 8.91 RAP 183.17 ECC 1.1796
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 38 1215.96 10.71 343.83 4.47 116.37 8 49 54 616.0 14.17 336.86
 90.00 13 5 7 5587.32 28.22 261.25 9.22 92.44 14 38 14 4987.3 28.26 252.59
 100.00 9 31 22 1016.71 9.23 328.40 3.69 118.56 9 48 18 416.7 12.97 321.61
 100.00 14 46 4 5261.80 29.89 237.35 9.26 90.13 16 13 46 4661.8 29.59 228.55
 110.00 10 0 45 924.53 5.88 319.38 1.65 123.73 10 16 10 324.5 10.27 313.04
 110.00 16 33 10 4926.74 33.80 211.69 9.05 84.57 17 55 17 4326.7 32.68 202.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6648 TRA -.5141 TC3 1.2601 BAU .1970 SGT 1724.7 SGR 344.0 SG3 613.7 ST 1189.9 SR 41.7 SS 1918.6
 RDE -.0103 RRA -.0639 RC3 .4866 FAU .09249 RRT .6155 RRF -.6832 RTF -.9238 CRT -.1970 CRS -.3339 CST .9889
 FDE-2.8387 FRA .8651 FC3-7.3387 BSP 5665 SGB 1758.7 R23 -.1274 R13 -.9264 LSA 2252.6 MSA 155.2 SSA 11.7
 BOE .6649 BRA .5180 BC3 1.3508 FSP -1849 SG1 1737.9 SG2 269.1 THA 7.17 EL1 1190.0 EL2 40.8 ALF 179.60

LAUNCH DATE MAY 31 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 338.498

RL 151.67 LAL .00 LOL 248.88 VL 26.749 GAL .77 AZL 94.02 HCA 145.97 SMA 128.28 ECC .18279 INC 4.0214 V1 29.375
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.638 GAP -5.55 AZP 86.67 TAL 176.56 TAP 322.53 RCA 104.83 APO 151.73 V2 34.996
 RC 65.357 GL -35.84 GP 7.03 ZAL 88.54 ZAP 36.50 ETS 349.65 ZAE 149.53 ETE 26.14 ZAC 84.85 ETC 12.99 CLP -35.91

PLANETOCENTRIC CONIC

C3 10.781 VHL 3.283 DLA -24.58 RAL 148.39 RAD 6567.4 VEL 11.496 PTH 2.00 VHP 4.232 DPA 9.85 RAP 183.30 ECC 1.1774
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 27 1177.11 11.88 341.57 3.51 115.90 8 55 5 577.1 15.26 334.53
 90.00 12 50 0 5621.25 28.10 263.73 8.05 93.67 14 23 41 5021.3 28.31 255.07
 100.00 9 35 22 983.68 10.30 326.53 2.69 118.22 9 51 46 383.7 13.99 319.69
 100.00 14 32 46 5289.92 29.87 239.44 8.14 91.23 16 0 56 4689.9 29.72 230.63
 110.00 10 2 11 899.58 6.82 318.06 .59 123.58 10 17 11 299.6 11.19 311.69
 110.00 16 22 27 4946.79 33.92 213.24 8.00 85.49 17 44 53 4346.8 32.92 204.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6477 TRA -.4806 TC3 1.2257 BAU .1929 SGT 1666.1 SGR 375.4 SG3 685.6 ST 1163.9 SR 55.8 SS 2047.9
 RDE .0234 RRA -.0633 RC3 .5374 FAU .10225 RRT .7070 RRF -.7834 RTF -.9217 CRT .8709 CRS .7936 CST .9887
 FDE-3.1955 FRA .8718 FC3-8.2111 BSP 5517 SGB 1707.9 R23 -.1629 R13 -.9261 LSA 2351.1 MSA 155.0 SSA 10.8
 BOE .6482 BRA .4848 BC3 1.3383 FSP -2083 SG1 1687.7 SG2 262.1 THA 9.28 EL1 1164.9 EL2 27.4 ALF 2.39

LAUNCH DATE MAY 31 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 345.058

RL 151.67 LAL .00 LOL 248.88 VL 26.793 GAL .69 AZL 94.11 HCA 149.17 SMA 128.57 ECC .18003 INC 4.1077 V1 29.375
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.682 GAP -5.00 AZP 86.47 TAL 176.86 TAP 326.03 RCA 105.43 APO 151.72 V2 35.009
 RC 67.365 GL -35.88 GP 8.15 ZAL 89.17 ZAP 40.33 ETS 349.57 ZAE 150.57 ETE 28.82 ZAC 85.09 ETC 12.98 CLP -39.64

PLANETOCENTRIC CONIC

C3 10.720 VHL 3.274 DLA -25.28 RAL 147.30 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 3.999 DPA 11.08 RAP 183.29 ECC 1.1764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 30 1133.29 13.16 338.99 2.77 115.30 9 2 24 533.3 16.47 331.87
 90.00 12 33 14 5662.78 27.88 266.75 7.04 95.17 14 7 37 5062.8 28.30 258.11
 100.00 9 41 0 947.63 11.45 324.48 1.90 117.80 9 56 48 347.6 15.08 317.57
 100.00 14 18 25 5323.67 29.79 241.94 7.19 92.55 15 47 9 4723.7 29.83 233.14
 110.00 10 4 39 873.46 7.80 316.67 359.71 123.39 10 19 13 273.5 12.14 310.26
 110.00 16 11 16 4970.61 34.03 215.09 7.15 86.58 17 34 6 4370.6 33.18 205.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6229 TRA -.4502 TC3 1.1477 BAU .1856 SGT 1585.0 SGR 427.1 SG3 763.4 ST 1121.2 SR 119.3 SS 2186.4
 RDE .0644 RRA -.0638 RC3 .6002 FAU .11253 RRT .7768 RRF -.8639 RTF -.9161 CRT .9936 CRS .9698 CST .9881
 FDE-3.6028 FRA .8801 FC3-9.0873 BSP 5296 SGB 1641.5 R23 -.2097 R13 -.9240 LSA 2455.0 MSA 155.8 SSA 9.8
 BOE .6263 BRA .4547 BC3 1.2951 FSP -2339 SG1 1620.3 SG2 263.1 THA 12.15 EL1 1127.5 EL2 13.4 ALF 6.03

LAUNCH DATE MAY 31 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 351.600

RL 151.67 LAL .00 LOL 248.88 VL 26.831 GAL .62 AZL 94.21 HCA 152.37 SMA 128.83 ECC .17763 INC 4.2119 V1 29.375
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.721 GAP -4.47 AZP 86.27 TAL 177.11 TAP 329.48 RCA 105.94 APO 151.71 V2 35.023
 RC 69.409 GL -36.97 GP 9.53 ZAL 89.70 ZAP 44.46 ETS 349.47 ZAE 151.68 ETE 32.58 ZAC 85.53 ETC 13.02 CLP -43.64

PLANETOCENTRIC CONIC

C3 10.735 VHL 3.276 DLA -26.05 RAL 146.27 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 3.789 DPA 12.67 RAP 183.15 ECC 1.1767
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 4 1080.41 14.68 335.85 2.31 114.49 9 13 4 480.4 17.86 328.62
 90.00 12 13 30 5716.23 27.49 270.61 6.18 97.07 13 48 46 5116.2 28.18 262.01
 100.00 9 48 59 906.27 12.75 322.10 1.34 117.27 10 4 6 306.3 16.31 315.11
 100.00 14 2 15 5365.60 29.63 245.05 6.42 94.18 15 31 41 4765.6 29.89 236.25
 110.00 10 8 29 845.07 8.86 315.16 359.04 123.15 10 22 35 245.1 13.16 308.70
 110.00 15 59 14 4999.57 34.13 217.35 6.51 87.91 17 22 34 4399.6 33.46 208.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5890 TRA -.4199 TC3 1.0354 BAU .1777 SGT 1479.6 SGR 504.7 SG3 846.2 ST 1059.0 SR 206.0 SS 2332.4
 RDE .1155 RRA -.0651 RC3 .6789 FAU .12341 RRT .8214 RRF -.9211 RTF -.9068 CRT .9978 CRS .9929 CST .9870
 FDE-4.0617 FRA .8793 FC3-9.9524 BSP 5011 SGB 1563.3 R23 -.2613 R13 -.9217 LSA 2565.0 MSA 156.5 SSA 8.8
 BOE .6002 BRA .4249 BC3 1.2381 FSP -2608 SG1 1538.6 SG2 276.8 THA 16.19 EL1 1078.8 EL2 13.3 ALF 10.99

LAUNCH DATE MAY 31 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 358.122

RL 151.67 LAL .00 LOL 248.88 VL 26.863 GAL .57 AZL 94.34 HCA 155.58 SMA 129.05 ECC .17558 INC 4.3412 V1 29.375
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.756 GAP -3.96 AZP 86.05 TAL 177.31 TAP 332.89 RCA 106.39 APO 151.71 V2 35.036
 RC 71.485 GL -38.14 GP 11.27 ZAL 90.12 ZAP 48.92 ETS 349.38 ZAE 152.73 ETE 37.77 ZAC 86.16 ETC 13.14 CLP -47.93

PLANETOCENTRIC CONIC

C3 10.839 VHL 3.292 DLA -26.94 RAL 145.30 RAD 6567.4 VEL 11.499 PTH 2.00 VHP 3.605 DPA 14.70 RAP 182.90 ECC 1.1784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 1 1009.23 16.64 331.55 2.21 113.24 9 29 51 409.2 19.65 324.16
 90.00 11 47 46 5791.35 26.75 275.98 5.41 99.66 13 24 18 5191.3 27.81 267.47
 100.00 10 0 38 855.46 14.32 319.14 1.09 116.52 10 14 53 255.5 17.76 312.04
 100.00 13 42 51 5420.35 29.29 249.08 5.82 96.27 15 13 12 4820.3 29.85 240.32
 110.00 10 14 13 812.76 10.06 313.42 358.60 122.84 10 27 46 212.8 14.32 306.91
 110.00 15 45 45 5035.81 34.18 220.18 6.11 89.58 17 9 41 4435.8 33.75 210.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5448 TRA -.3892 TC3 .8923 BAU .1716 SGT 1349.6 SGR 615.8 SG3 932.4 ST 975.3 SR 317.9 SS 2485.8
 RDE .1810 RRA -.0669 RC3 .7786 FAU .13481 RRT .8413 RRF -.9574 RTF -.8919 CRT .9933 CRS .9979 CST .9851
 FDE-4.5746 FRA .8612 FC-10.7670 BSP 4749 SGB 1483.4 R23 -.3048 R13 -.9216 LSA 2684.5 MSA 156.8 SSA 7.8
 BDE .5741 BRA .3949 BC3 1.1843 FSP -2903 SGI 1450.8 SG2 309.6 THA 22.06 EL1 1025.2 EL2 35.1 ALF 17.96

LAUNCH DATE MAY 31 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 364.625

RL 151.67 LAL .00 LOL 248.88 VL 26.891 GAL .53 AZL 94.51 HCA 158.79 SMA 129.23 ECC .17385 INC 4.5069 V1 29.375
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.788 GAP -3.46 AZP 85.80 TAL 177.47 TAP 336.25 RCA 106.77 APO 151.70 V2 35.049
 RC 73.590 GL -39.45 GP 13.51 ZAL 90.43 ZAP 53.72 ETS 349.30 ZAE 153.42 ETE 44.71 ZAC 86.93 ETC 13.36 CLP -52.52

PLANETOCENTRIC CONIC

C3 11.058 VHL 3.325 DLA -28.00 RAL 144.36 RAD 6567.4 VEL 11.509 PTH 2.00 VHP 3.451 DPA 17.30 RAP 182.61 ECC 1.1820
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 26 881.22 19.90 323.57 2.82 110.57 10 4 7 281.2 22.52 315.88
 90.00 11 3 51 639.51 24.84 307.58 4.48 104.06 11 14 30 39.5 26.53 299.32
 100.00 10 18 52 786.03 16.38 315.02 1.25 115.36 10 31 58 186.0 19.67 307.76
 100.00 13 17 6 5497.97 28.58 254.74 5.34 99.17 14 48 44 4898.0 29.55 246.07
 110.00 10 22 45 773.84 11.49 311.31 358.47 122.42 10 35 39 173.8 15.68 304.72
 110.00 15 29 43 5082.92 34.14 223.86 5.97 91.76 16 54 26 4482.9 34.01 214.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4849 TRA -.3644 TC3 .6962 BAU .1680 SGT 1190.8 SGR 766.5 SG3 1013.4 ST 862.4 SR 462.4 SS 2638.3
 RDE .2671 RRA -.0706 RC3 .8981 FAU .14482 RRT .8315 RRF -.9783 RTF -.8622 CRT .9869 CRS .9993 CST .9812
 FDE-5.1256 FRA .8447 FC-11.3378 BSP 4452 SGB 1416.2 R23 -.3276 R13 -.9260 LSA 2809.5 MSA 158.6 SSA 6.7
 BDE .5536 BRA .3712 BC3 1.1364 FSP -3171 SGI 1366.7 SG2 371.0 THA 30.66 EL1 976.3 EL2 65.9 ALF 28.03

LAUNCH DATE MAY 31 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 371.109

RL 151.67 LAL .00 LOL 248.88 VL 26.914 GAL .51 AZL 94.73 HCA 162.00 SMA 129.39 ECC .17241 INC 4.7288 V1 29.375
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.817 GAP -2.97 AZP 85.50 TAL 177.57 TAP 339.57 RCA 107.08 APO 151.70 V2 35.062
 RC 75.721 GL -40.99 GP 16.47 ZAL 90.63 ZAP 58.88 ETS 349.27 ZAE 153.33 ETE 53.54 ZAC 87.77 ETC 13.73 CLP -57.39

PLANETOCENTRIC CONIC

C3 11.442 VHL 3.383 DLA -29.31 RAL 143.40 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 3.334 DPA 20.66 RAP 182.41 ECC 1.1883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.12 9 17 49 977.46 23.20 331.88 3.60 108.43 9 34 7 377.5 25.50 323.88
 97.88 11 27 49 5845.40 23.21 278.95 3.61 108.41 13 5 14 5245.4 25.51 270.96
 100.00 10 54 28 664.28 19.78 307.57 2.22 112.88 11 5 32 64.3 22.71 300.00
 100.00 12 33 51 5633.81 26.72 264.41 4.73 103.93 14 7 45 5033.8 28.37 255.99
 110.00 10 35 44 723.28 13.32 308.54 358.74 121.78 10 47 47 123.3 17.42 301.83
 110.00 15 9 5 5147.58 33.89 228.89 6.10 94.73 16 34 52 4547.6 34.18 219.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4105 TRA -.3406 TC3 .4755 BAU .1757 SGT 1012.3 SGR 973.7 SG3 1085.3 ST 723.1 SR 655.0 SS 2791.5
 RDE .3857 RRA -.0744 RC3 1.0458 FAU .15353 RRT .7887 RRF -.9896 RTF -.8083 CRT .9775 CRS .9998 CST .9735
 FDE-5.7131 FRA .7945 FC-11.6168 BSP 4327 SGB 1404.6 R23 -.2933 R13 -.9462 LSA 2952.7 MSA 160.2 SSA 5.7
 BDE .5632 BRA .3487 BC3 1.1488 FSP -3413 SGI 1328.4 SG2 456.2 THA 43.59 EL1 970.2 EL2 103.0 ALF 42.11

LAUNCH DATE MAY 31 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 377.572

RL 151.67 LAL .00 LOL 248.88 VL 26.933 GAL .49 AZL 95.04 HCA 165.21 SMA 129.52 ECC .17125 INC 5.0435 V1 29.375
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.842 GAP -2.49 AZP 85.12 TAL 177.62 TAP 342.83 RCA 107.34 APO 151.70 V2 35.075
 RC 77.874 GL -42.91 GP 20.52 ZAL 90.72 ZAP 64.41 ETS 349.34 ZAE 151.76 ETE 63.79 ZAC 88.53 ETC 14.31 CLP -62.53

PLANETOCENTRIC CONIC

C3 12.094 VHL 3.478 DLA -30.99 RAL 142.34 RAD 6567.5 VEL 11.553 PTH 2.02 VHP 3.267 DPA 25.10 RAP 182.54 ECC 1.1990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.84 8 33 50 1115.78 24.21 342.57 3.85 109.96 8 52 26 515.8 26.71 334.56
 103.16 12 3 21 5730.32 24.23 270.77 3.85 109.95 13 38 52 5130.3 26.72 262.76
 76.84 8 33 50 1115.78 24.21 342.57 3.85 109.96 8 52 26 515.8 26.71 334.56
 103.16 12 3 21 5730.32 24.23 270.77 3.85 109.95 13 38 52 5130.3 26.72 262.76
 110.00 10 57 15 649.28 15.93 304.40 359.68 120.65 11 8 4 49.3 19.88 297.50
 110.00 14 39 7 5244.81 33.10 236.36 6.47 99.08 16 6 32 4644.8 34.00 227.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3184 TRA -.3214 TC3 .2311 BAU .2003 SGT 826.2 SGR 1258.3 SG3 1132.0 ST 556.3 SR 920.4 SS 2934.6
 RDE .5577 RRA -.0782 RC3 1.2170 FAU .15808 RRT .6838 RRF -.9953 RTF -.6978 CRT .9579 CRS .9999 CST .9552
 FDE-6.3034 FRA .7084 FC-11.3158 BSP 4565 SGB 1505.3 R23 -.1827 R13 -.9787 LSA 3121.2 MSA 162.1 SSA 4.7
 BDE .6422 BRA .3308 BC3 1.2387 FSP -3571 SGI 1405.2 SG2 539.9 THA 61.18 EL1 1066.5 EL2 137.8 ALF 59.36

LAUNCH DATE MAY 31 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 384.016

RL 151.67 LAL .00 LOL 248.88 VL 26.947 GAL .49 AZL 95.53 HCA 168.42 SMA 129.62 ECC .17035 INC 5.5286 V1 29.375
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.865 GAP -2.02 AZP 84.58 TAL 177.61 TAP 346.03 RCA 107.54 APO 151.70 V2 35.088
 RC 80.046 GL -45.47 GP 26.36 ZAL 90.69 ZAP 70.29 ETS 349.57 ZAE 147.75 ETE 74.21 ZAC 88.92 ETC 15.16 CLP -67.89

PLANETOCENTRIC CONIC

C3 13.261 VHL 3.642 DLA -33.30 RAL 141.02 RAD 6567.5 VEL 11.604 PTH 2.03 VHP 3.284 DPA 31.20 RAP 183.53 ECC 1.2182
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.70 7 54 4 1243.07 25.43 352.78 4.63 112.26 8 14 47 643.1 28.22 344.79
 108.30 12 32 34 5642.43 25.44 264.59 4.63 112.25 14 6 36 5042.4 28.23 256.60
 71.70 7 54 4 1243.07 25.43 352.78 4.63 112.26 8 14 47 643.1 28.22 344.79
 108.30 12 32 34 5642.43 25.44 264.59 4.63 112.25 14 6 36 5042.4 28.23 256.60
 110.00 11 44 14 5790.71 20.81 273.74 2.28 117.75 13 20 45 5190.7 24.35 266.39
 110.00 13 41 34 5430.83 30.25 250.10 6.55 106.74 15 12 5 4830.8 32.24 241.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2037 TRA -.3104 TC3 -.0209 BAU .2468 SGT 666.6 SGR 1656.5 SG3 1126.0 ST 365.3 SR 1302.8 SS 3044.6
 RDE .8273 RRA -.0780 RC3 1.3920 FAU .15415 RRT .4414 RRF -.9980 RTF -.4531 CRT .8927 CRS 1.0000 CST .8907
 FDE -6.8163 FRA .5555 FC3 -10.0638 BSP 5412 SGB 1785.6 R23 -.0566 R13 -.9965 LSA 3327.6 MSA 165.1 SSA 3.7
 BDE .8520 BRA .3201 BC3 1.3922 FSP -3560 SG1 1686.1 SG2 587.7 THA 78.51 EL1 1343.6 EL2 159.6 ALF 75.74

LAUNCH DATE MAY 31 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 390.439

RL 151.67 LAL .00 LOL 248.88 VL 26.958 GAL .50 AZL 96.38 HCA 171.64 SMA 129.69 ECC .16969 INC 6.3800 V1 29.375
 RP 107.96 LAP -.93 LOP 60.56 VP 37.884 GAP -1.56 AZP 83.69 TAL 177.54 TAP 349.17 RCA 107.68 APO 151.70 V2 35.101
 RC 82.236 GL -49.22 GP 35.38 ZAL 90.56 ZAP 76.52 ETS 350.14 ZAE 139.80 ETE 83.16 ZAC 88.34 ETC 16.26 CLP -73.39

PLANETOCENTRIC CONIC

C3 15.653 VHL 3.956 DLA -36.69 RAL 139.06 RAD 6567.6 VEL 11.706 PTH 2.06 VHP 3.477 DPA 40.05 RAP 186.79 ECC 1.2576
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.63 7 11 12 1385.67 26.78 4.70 6.39 116.07 7 34 18 785.7 30.05 356.81
 114.37 12 59 49 5573.30 26.79 259.82 6.40 116.06 14 32 42 4973.3 30.06 251.93
 65.63 7 11 12 1385.67 26.78 4.70 6.39 116.07 7 34 18 785.7 30.05 356.81
 114.37 12 59 49 5573.30 26.79 259.82 6.40 116.06 14 32 42 4973.3 30.06 251.93
 65.63 7 11 12 1385.67 26.78 4.70 6.39 116.07 7 34 18 785.7 30.05 356.81
 114.37 12 59 49 5573.30 26.79 259.82 6.40 116.06 14 32 42 4973.3 30.06 251.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0622 TRA -.3133 TC3 -.2225 BAU .3190 SGT 599.4 SGR 2231.9 SG3 1017.5 ST 192.3 SR 1883.6 SS 3057.8
 RDE 1.3002 RRA -.0606 RC3 1.5080 FAU .13489 RRT .0161 RRF -.9992 RTF -.0257 CRT .4835 CRS 1.0000 CST .4822
 FDE -7.0265 FRA .2974 FC3 -7.4605 BSP 7090 SGB 2311.0 R23 .0084 R13 -.9992 LSA 3592.6 MSA 168.4 SSA 2.7
 BDE 1.3017 BRA .3191 BC3 1.5243 FSP -3211 SG1 2231.9 SG2 599.3 THA 89.73 EL1 1885.9 EL2 168.1 ALF 87.15

LAUNCH DATE MAY 31 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 396.836

RL 151.67 LAL .00 LOL 248.88 VL 26.966 GAL .53 AZL 98.29 HCA 174.85 SMA 129.74 ECC .16926 INC 8.2857 V1 29.375
 RP 107.92 LAP -.74 LOP 63.78 VP 37.901 GAP -1.12 AZP 81.75 TAL 177.41 TAP 352.26 RCA 107.78 APO 151.70 V2 35.113
 RC 84.440 GL -55.30 GP 50.49 ZAL 90.32 ZAP 82.93 ETS 351.50 ZAE 125.17 ETE 89.56 ZAC 85.56 ETC 17.20 CLP -78.84

PLANETOCENTRIC CONIC

C3 22.345 VHL 4.727 DLA -42.11 RAL 135.49 RAD 6567.9 VEL 11.989 PTH 2.14 VHP 4.230 DPA 53.38 RAP 197.52 ECC 1.3677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.43 6 18 10 1579.82 27.36 21.33 10.54 123.35 6 44 30 979.8 31.54 13.91
 122.57 13 24 21 5546.27 27.37 257.93 10.55 123.34 14 56 48 4946.3 31.55 250.50
 57.43 6 18 10 1579.82 27.36 21.33 10.54 123.35 6 44 30 979.8 31.54 13.91
 122.57 13 24 21 5546.27 27.37 257.93 10.55 123.34 14 56 48 4946.3 31.55 250.50
 57.43 6 18 10 1579.82 27.36 21.33 10.54 123.35 6 44 30 979.8 31.54 13.91
 122.57 13 24 21 5546.27 27.37 257.93 10.55 123.34 14 56 48 4946.3 31.55 250.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1109 TRA -.3591 TC3 -.2874 BAU .4111 SGT 660.4 SGR 3076.5 SG3 719.5 ST 221.6 SR 2800.5 SS 2800.6
 RDE 2.3102 RRA .0439 RC3 1.3459 FAU .08891 RRT -.3761 RRF -.9997 RTF .3683 CRT -.6130 CRS 1.0000 CST -.6128
 FDE -6.3210 FRA -.1156 FC3 -3.4448 BSP 9927 SGB 3146.6 R23 .0249 R13 -.9994 LSA 3962.9 MSA 175.0 SSA 1.7
 BDE 2.3129 BRA .3618 BC3 1.3763 FSP -2290 SG1 3087.0 SG2 609.8 THA 94.80 EL1 2803.8 EL2 174.9 ALF 92.79

LAUNCH DATE MAY 31 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 403.195

RL 151.67 LAL .00 LOL 248.88 VL 26.970 GAL .57 AZL 106.42 HCA 178.04 SMA 129.77 ECC .16904 INC 16.4145 V1 29.375
 RP 107.89 LAP -.55 LOP 66.99 VP 37.915 GAP -.69 AZP 73.59 TAL 177.19 TAP 355.22 RCA 107.83 APO 151.71 V2 35.125
 RC 86.655 GL -65.30 GP 77.98 ZAL 90.04 ZAP 88.41 ETS 353.21 ZAE 97.93 ETE 92.22 ZAC 78.31 ETC 14.17 CLP -82.34

PLANETOCENTRIC CONIC

C3 70.382 VHL 8.389 DLA -50.66 RAL 127.91 RAD 6569.4 VEL 13.847 PTH 2.53 VHP 8.759 DPA 67.45 RAP 247.92 ECC 2.1583
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.06 5 6 30 1970.15 18.25 49.33 22.21 138.12 5 39 20 1370.1 24.12 43.91
 133.94 13 35 33 5725.27 18.27 266.05 22.22 138.12 15 10 59 5125.3 24.13 260.62
 46.06 5 6 30 1970.15 18.25 49.33 22.21 138.12 5 39 20 1370.1 24.12 43.91
 133.94 13 35 33 5725.27 18.27 266.05 22.22 138.12 15 10 59 5125.3 24.13 260.62
 46.06 5 6 30 1970.15 18.25 49.33 22.21 138.12 5 39 20 1370.1 24.12 43.91
 133.94 13 35 33 5725.27 18.27 266.05 22.22 138.12 15 10 59 5125.3 24.13 260.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4155 TRA -.6398 TC3 -.0708 BAU .2341 SGT 754.8 SGR 3887.9 SG3 210.9 ST 351.1 SR 3834.9 SS 1827.1
 RDE 5.6104 RRA .4861 RC3 .2384 FAU .01069 RRT .2313 RRF -.9998 RTF -.2476 CRT .7833 CRS 1.0000 CST .7861
 FDE -3.5328 FRA -.2725 FC3 -.1315 BSP 9739 SGB 3960.5 R23 .0080 R13 -.9999 LSA 4256.8 MSA 217.7 SSA .7
 BDE 5.6257 BRA .8035 BC3 .2488 FSP -508 SG1 3892.0 SG2 733.6 THA 87.33 EL1 3844.8 EL2 217.7 ALF 85.88

LAUNCH DATE MAY 31 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 409.698

RL 151.67 LAL .00 LOL 248.88 VL 26.971 GAL .59 AZL 74.72 HCA 181.39 SMA 129.78 ECC .16900 INC15.2687 V1 29.375
 RP 107.85 LAP -.37 LOP 70.21 VP 37.927 GAP -.22 AZP 105.27 TAL 177.08 TAP 358.46 RCA 107.85 APO 151.71 V2 35.137
 RC 88.880 GL 64.71 GP -86.21 ZAL 89.97 ZAP 90.29 ETS .65 ZAE 97.54 ETE 262.86 ZAC 105.46 ETC 346.40 CLP -94.35

PLANETOCENTRIC CONIC

C3 61.755 VHL 7.858 DLA 62.94 RAL 208.78 RAD 6569.2 VEL 13.532 PTH 2.47 VHP 12.153 DPA -63.39 RAP 105.22 ECC 2.0163
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.11 21 46 25 4665.59 -23.01 231.46 106.26 29.62 23 4 11 4065.6 -29.90 227.33
 148.89 7 40 51 2967.23 -23.00 90.51 106.24 29.61 8 30 18 2367.2 -29.89 86.38
 31.11 21 46 25 4665.59 -23.01 231.46 106.26 29.62 23 4 11 4065.6 -29.90 227.33
 148.89 7 40 51 2967.23 -23.00 90.51 106.24 29.61 8 30 18 2367.2 -29.89 86.38
 31.11 21 46 25 4665.59 -23.01 231.46 106.26 29.62 23 4 11 4065.6 -29.90 227.33
 148.89 7 40 51 2967.23 -23.00 90.51 106.24 29.61 8 30 18 2367.2 -29.89 86.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE 1.1812 TRA 1.0235 TC3 -.1072 BAU .2584 SGT 1860.6 SGR 4186.9 SG3 144.0 ST 991.9 SR 1401.6 SS 584.8
 RDE .9158 RRA 2.5624 RC3 -.2941 FAU .00856 RRT .9489 RRF 1.0000 RTF .9485 CRT .8499 CRS -1.0000 CST -.8485
 FDE .3622 FRA 1.0197 FC3 -.1201 BSP 9293 SGB 4581.7 R23 .0520 R13 .9986 LSA 1756.7 MSA 452.2 SSA .3
 BDE 1.4946 BRA 2.7593 BC3 .3130 FSP -308 SG1 4549.7 SG2 540.6 THA 66.79 EL1 1659.3 EL2 441.5 ALF 56.27

LAUNCH DATE MAY 31 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 415.989

RL 151.67 LAL .00 LOL 248.88 VL 26.969 GAL .67 AZL 87.80 HCA 184.56 SMA 129.77 ECC .16918 INC 2.1971 V1 29.375
 RP 107.82 LAP -.17 LOP 73.43 VP 37.936 GAP .19 AZP 92.19 TAL 176.73 TAP 1.29 RCA 107.81 APO 151.72 V2 35.149
 RC 91.113 GL 23.08 GP -54.53 ZAL 89.17 ZAP 94.11 ETS 355.16 ZAE 127.91 ETE 253.92 ZAC 112.57 ETC 353.78 CLP -97.09

PLANETOCENTRIC CONIC

C3 6.961 VHL 2.638 DLA 29.09 RAL 171.06 RAD 6567.2 VEL 11.329 PTH 1.95 VHP 4.530 DPA -38.16 RAP 137.24 ECC 1.1146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.04 23 13 42 3502.04 -24.93 132.59 24.42 74.50 24 12 4 2902.0 -26.82 124.37
 96.96 1 12 39 3130.10 -24.92 105.31 24.41 74.49 2 4 49 2530.1 -26.81 97.09
 100.00 2 34 33 2867.31 -28.43 86.75 25.29 80.34 3 22 21 2267.3 -29.47 78.11
 100.00 0 38 25 3240.06 -21.52 112.21 23.18 68.74 1 32 25 2640.1 -24.22 104.45
 110.00 5 4 19 2398.31 -34.18 51.73 25.85 90.11 5 44 17 1798.3 -33.79 42.51
 110.00 0 25 9 3281.82 -16.33 112.70 20.52 59.54 1 19 50 2681.8 -20.25 105.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2816 TRA .2331 TC3-2.8915 BAU .5345 SGT 1742.8 SGR 3300.7 SG3 633.8 ST 637.3 SR 782.8 SS 653.6
 RDE .2380 RRA .7813 RC3-4.9627 FAU .08945 RRT .9450 RRF .9999 RTF .9446 CRT .8438 CRS -.9993 CST -.8239
 FDE .4867 FRA 1.7182 FC-11.1251 BSP 11325 SGB 3732.6 R23 .0710 R13 .9974 LSA 1162.6 MSA 307.4 SSA 2.1
 BDE .3687 BRA .8154 BC3 5.7436 FSP -1987 SG1 3697.8 SG2 508.6 THA 62.93 EL1 971.0 EL2 275.7 ALF 51.89

LAUNCH DATE MAY 31 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 422.309

RL 151.67 LAL .00 LOL 248.88 VL 26.965 GAL .74 AZL 90.12 HCA 187.78 SMA 129.74 ECC .16954 INC .1093 V1 29.375
 RP 107.78 LAP .02 LOP 76.66 VP 37.943 GAP .60 AZP 89.88 TAL 176.37 TAP 4.15 RCA 107.74 APO 151.73 V2 35.160
 RC 93.352 GL -1.34 GP -37.91 ZAL 88.26 ZAP 99.65 ETS 353.25 ZAE 142.05 ETE 242.21 ZAC 115.16 ETC 359.62 CLP -102.27

PLANETOCENTRIC CONIC

C3 5.825 VHL 2.414 DLA 6.34 RAL 161.60 RAD 6567.2 VEL 11.279 PTH 1.93 VHP 3.528 DPA -22.44 RAP 143.77 ECC 1.0959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 57 2161.57 -18.25 38.15 7.43 112.04 5 24 58 1561.6 -15.10 30.89
 90.00 18 21 57 4410.02 6.77 183.75 6.22 62.44 19 35 27 3810.0 3.02 177.07
 100.00 6 13 18 1889.49 -18.94 17.83 7.12 113.56 6 44 48 1289.5 -15.60 10.64
 100.00 19 40 16 4157.34 7.43 164.81 5.86 60.96 20 49 34 3557.3 3.50 158.22
 110.00 7 28 27 1654.32 -20.79 359.04 6.18 117.76 7 56 1 1054.3 -16.91 352.06
 110.00 20 41 37 3965.27 9.19 149.16 4.80 56.93 21 47 42 3365.3 4.77 142.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.0816 TRA .1629 TC3-4.2098 BAU .4793 SGT 2078.0 SGR 2465.6 SG3 1008.8 ST 234.1 SR 553.2 SS 860.4
 RDE -.1860 RRA .4563 RC3-4.4896 FAU .14308 RRT .9590 RRF .9997 RTF .9594 CRT .9851 CRS -.9976 CST -.9878
 FDE -.9958 FRA 2.1084 FC-21.2650 BSP 9805 SGB 3224.5 R23 .1159 R13 .9929 LSA 1048.2 MSA 37.3 SSA 30.5
 BDE .2031 BRA .4845 BC3 6.1546 FSP -3206 SG1 3192.2 SG2 455.1 THA 50.08 EL1 599.6 EL2 37.2 ALF 67.27

LAUNCH DATE MAY 31 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 428.616

RL 151.67 LAL .00 LOL 248.88 VL 26.958 GAL .83 AZL 91.09 HCA 191.01 SMA 129.69 ECC .17007 INC 1.0853 V1 29.375
 RP 107.75 LAP .21 LOP 79.88 VP 37.949 GAP 1.01 AZP 88.93 TAL 175.96 TAP 6.97 RCA 107.63 APO 151.75 V2 35.170
 RC 95.596 GL -11.89 GP -28.16 ZAL 87.36 ZAP 105.22 ETS 352.52 ZAE 148.03 ETE 228.65 ZAC 116.58 ETC 3.41 CLP -107.32

PLANETOCENTRIC CONIC

C3 6.149 VHL 2.480 DLA -3.78 RAL 158.49 RAD 6567.2 VEL 11.293 PTH 1.94 VHP 3.257 DPA -12.80 RAP 145.98 ECC 1.1012
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 10 1855.27 -9.54 19.88 3.73 116.79 6 23 5 1255.3 -5.87 13.13
 90.00 16 53 56 4734.29 16.37 202.71 4.48 66.57 18 12 50 4134.3 13.06 195.60
 100.00 7 11 44 1598.58 -10.21 .65 3.37 118.25 7 38 22 998.6 -6.36 353.99
 100.00 18 17 3 4466.21 17.06 182.68 4.16 65.08 19 31 29 3866.2 13.56 175.63
 110.00 8 15 55 1397.66 -11.99 344.35 2.31 122.25 8 39 12 797.7 -7.65 337.94
 110.00 19 29 21 4239.90 18.90 164.51 3.17 60.97 20 40 1 3639.9 14.88 157.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3085 TRA .1620 TC3-4.6344 BAU .4645 SGT 2435.5 SGR 1870.9 SG3 1176.7 ST 724.8 SR 659.1 SS 1483.3
 RDE -.2678 RRA .3196 RC3-3.2324 FAU .16556 RRT .9663 RRF .9991 RTF .9674 CRT .9823 CRS -.9989 CST -.9896
 FDE -2.1755 FRA 2.2271 FC-23.3087 BSP 9275 SGB 3071.1 R23 .1562 R13 .9868 LSA 1774.6 MSA 103.5 SSA 9.2
 BDE .4085 BRA .3583 BC3 5.6503 FSP -3755 SG1 3046.9 SG2 384.7 THA 37.28 EL1 975.4 EL2 91.8 ALF 42.23

LAUNCH DATE MAY 31 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 434.905

RL 151.67 LAL .00 LOL 248.88 VL 26.949 GAL .93 AZL 91.62 MCA 194.24 SMA 129.63 ECC .17078 INC 1.6184 V1 29.375
 RP 107.72 LAP .40 LOP 83.11 VP 37.952 GAP 1.42 AZP 88.43 TAL 175.50 TAP 9.74 RCA 107.49 APO 151.77 V2 35.180
 RC 97.843 GL -17.29 GP -21.96 ZAL 86.41 ZAP 110.44 ETS 352.30 ZAE 149.62 ETE 216.36 ZAC 117.60 ETC 6.01 CLP-112.12

PLANETOCENTRIC CONIC

C3 6.556 VHL 2.560 DLA -9.17 RAL 157.38 RAD 6567.2 VEL 11.311 PTH 1.94 VHP 3.191 DPA -6.50 RAP 146.77 ECC 1.1079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 7 1695.34 -4.52 10.82 3.25 117.98 6 57 22 1095.3 -7.4 4.17
 90.00 16 8 6 4915.97 20.92 214.10 5.14 70.47 17 30 2 4316.0 18.06 206.59
 100.00 7 45 59 1447.38 -5.24 352.19 2.86 119.47 8 10 6 847.4 -1.27 345.65
 100.00 17 33 55 4639.16 21.68 193.44 4.83 68.90 18 51 15 4039.2 18.62 185.98
 110.00 8 44 1 1265.65 -7.11 337.25 1.71 123.52 9 5 7 665.6 -2.65 331.00
 110.00 18 52 22 4393.66 23.70 173.86 3.90 64.61 20 5 36 3793.7 20.08 166.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4913 TRA .1838 TC3-4.9239 BAU .4795 SGT 2782.1 SGR 1464.4 SG3 1230.0 ST 1109.1 SR 608.1 SS 1847.6
 RDE -.2607 RRA .2468 RC3-2.3846 FAU .17145 RRT .9704 RRF .9977 RTF .9724 CRT .9861 CRS -.9987 CST -.9931
 FDE-2.9125 FRA 2.2398 FC-22.6411 BSP 9501 SGB 3143.9 R23 .1732 R13 .9827 LSA 2235.8 MSA 120.9 SSA 8.4
 BDE .5562 BRA .3077 BC3 5.4709 FSP -3936 SG1 3128.2 SG2 314.5 THA 27.36 EL1 1261.8 EL2 88.7 ALF 28.56

LAUNCH DATE MAY 31 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 441.176

RL 151.67 LAL .00 LOL 248.88 VL 26.938 GAL 1.04 AZL 91.96 MCA 197.47 SMA 129.55 ECC .17164 INC 1.9568 V1 29.375
 RP 107.69 LAP .59 LOP 86.34 VP 37.953 GAP 1.82 AZP 88.13 TAL 174.99 TAP 12.46 RCA 107.32 APO 151.79 V2 35.190
 RC 100.092 GL -20.46 GP -17.74 ZAL 85.37 ZAP 115.28 ETS 352.31 ZAE 149.02 ETE 206.90 ZAC 118.36 ETC 7.93 CLP-116.64

PLANETOCENTRIC CONIC

C3 6.925 VHL 2.632 DLA -12.52 RAL 157.18 RAD 6567.2 VEL 11.328 PTH 1.95 VHP 3.208 DPA -2.11 RAP 147.03 ECC 1.1140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 55 52 1593.69 -1.26 5.13 3.85 118.29 7 22 26 993.7 2.54 358.50
 90.00 15 39 44 5036.65 23.45 222.04 6.47 73.66 17 3 40 4436.6 20.99 214.23
 100.00 8 10 47 1352.02 -2.02 346.94 3.42 119.83 8 33 19 752.0 1.96 340.42
 100.00 17 7 30 4753.54 24.29 200.93 6.18 72.02 18 26 44 4153.5 21.60 193.17
 110.00 9 4 30 1183.76 -4.01 332.93 2.19 123.98 9 24 14 583.8 .48 326.72
 110.00 18 30 16 4494.57 26.49 180.37 5.29 67.56 19 45 11 3894.6 23.21 172.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6499 TRA .2201 TC3-5.1653 BAU .5073 SGT 3103.7 SGR 1175.5 SG3 1220.8 ST 1424.9 SR 515.8 SS 2043.5
 RDE -.2280 RRA .2045 RC3-1.8297 FAU .16852 RRT .9714 RRF .9949 RTF .9756 CRT .9864 CRS -.9978 CST -.9949
 FDE-3.3124 FRA 2.2279 FC-21.0685 BSP 10061 SGB 3318.9 R23 .1698 R13 .9810 LSA 2540.8 MSA 127.3 SSA 8.8
 BDE .6887 BRA .3004 BC3 5.4798 FSP -3913 SG1 3308.5 SG2 261.8 THA 20.33 EL1 1513.3 EL2 79.8 ALF 19.71

LAUNCH DATE MAY 31 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 447.429

RL 151.67 LAL .00 LOL 248.88 VL 26.925 GAL 1.16 AZL 92.19 MCA 200.71 SMA 129.46 ECC .17267 INC 2.1925 V1 29.375
 RP 107.66 LAP .78 LOP 89.57 VP 37.952 GAP 2.21 AZP 87.95 TAL 174.43 TAP 15.13 RCA 107.11 APO 151.82 V2 35.199
 RC 102.344 GL -22.48 GP -14.70 ZAL 84.24 ZAP 119.75 ETS 352.43 ZAE 147.45 ETE 200.16 ZAC 118.89 ETC 9.41 CLP-120.86

PLANETOCENTRIC CONIC

C3 7.257 VHL 2.694 DLA -14.85 RAL 157.49 RAD 6567.2 VEL 11.342 PTH 1.95 VHP 3.271 DPA 1.07 RAP 147.13 ECC 1.1194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 38 1521.05 1.09 1.08 4.95 118.30 7 42 59 921.0 4.86 354.43
 90.00 15 20 29 5125.86 25.03 228.10 8.08 76.30 16 45 55 4525.9 22.90 220.08
 100.00 8 30 57 1284.47 .27 343.23 4.49 119.89 8 52 22 684.5 4.24 336.70
 100.00 16 49 51 4837.67 25.94 206.64 7.81 74.59 18 10 28 4237.7 23.57 198.64
 110.00 9 21 18 1126.78 -1.84 329.95 3.18 124.14 9 40 4 526.8 2.66 323.75
 110.00 18 16 0 4568.12 28.30 185.32 6.97 69.98 19 32 8 3968.1 25.31 177.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7941 TRA .2661 TC3-5.3766 BAU .5404 SGT 3403.9 SGR 966.6 SG3 1180.7 ST 1700.2 SR 423.2 SS 2147.0
 RDE -.1908 RRA .1781 RC3-1.4569 FAU .16140 RRT .9691 RRF .9895 RTF .9777 CRT .9842 CRS -.9960 CST -.9959
 FDE-3.5029 FRA 2.2085 FC-19.2543 BSP 10769 SGB 3538.5 R23 .1526 R13 .9806 LSA 2768.1 MSA 130.3 SSA 9.6
 BDE .8167 BRA .3202 BC3 5.5705 FSP -3785 SG1 3531.0 SG2 229.8 THA 15.45 EL1 1750.6 EL2 72.8 ALF 13.79

LAUNCH DATE MAY 31 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 453.663

RL 151.67 LAL .00 LOL 248.88 VL 26.910 GAL 1.30 AZL 92.37 MCA 203.94 SMA 129.36 ECC .17386 INC 2.3670 V1 29.375
 RP 107.63 LAP .96 LOP 92.80 VP 37.949 GAP 2.61 AZP 87.84 TAL 173.82 TAP 17.76 RCA 106.87 APO 151.86 V2 35.208
 RC 104.596 GL -23.83 GP -12.42 ZAL 83.03 ZAP 123.86 ETS 352.59 ZAE 145.52 ETE 195.46 ZAC 119.19 ETC 10.59 CLP-124.78

PLANETOCENTRIC CONIC

C3 7.566 VHL 2.751 DLA -16.60 RAL 158.15 RAD 6567.2 VEL 11.356 PTH 1.96 VHP 3.361 DPA 3.44 RAP 147.24 ECC 1.1245
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 39 1464.98 2.90 357.95 6.36 118.18 8 1 4 865.0 6.64 351.27
 90.00 15 6 42 5196.91 26.08 233.04 9.86 78.56 16 33 19 4596.9 24.24 224.85
 100.00 8 48 37 1232.80 2.02 340.40 5.87 119.83 9 9 10 632.8 5.98 333.84
 100.00 16 37 26 4904.32 27.06 211.28 9.62 76.79 17 59 10 4304.3 24.97 203.10
 110.00 9 36 7 1084.01 -.20 327.72 4.48 124.18 9 54 11 484.0 4.29 321.51
 110.00 18 6 26 4625.88 29.58 189.33 8.82 72.03 19 23 32 4025.9 26.84 181.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9292 TRA .3180 TC3-5.5591 BAU .5752 SGT 3684.6 SGR 812.4 SG3 1125.1 ST 1948.8 SR 340.9 SS 2198.4
 RDE -.1555 RRA .1601 RC3-1.1974 FAU .15235 RRT .9628 RRF .9803 RTF .9792 CRT .9790 CRS -.9922 CST -.9966
 FDE-3.5674 FRA 2.1759 FC-17.4334 BSP 11544 SGB 3773.1 R23 .1271 R13 .9808 LSA 2954.6 MSA 131.2 SSA 10.5
 BDE .9421 BRA .3561 BC3 5.6866 FSP -3613 SG1 3767.0 SG2 214.7 THA 12.02 EL1 1977.2 EL2 68.5 ALF 9.73

LAUNCH DATE MAY 31 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 459.877

RL 151.67 LAL .00 LOL 248.88 VL 26.894 GAL 1.45 AZL 92.50 MCA 207.18 SMA 129.25 ECC .17520 INC 2.5020 V1 29.375
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.945 GAP 3.00 AZP 87.77 TAL 173.17 TAP 20.35 RCA 106.61 APO 151.90 V2 35.216
 RC 106.849 GL -24.74 GP -10.66 ZAL 81.73 ZAP 127.64 ETS 352.75 ZAE 143.52 ETE 192.16 ZAC 119.27 ETC 11.54 CLP-128.42

PLANETOCENTRIC CONIC

C3 7.864 VML 2.804 DLA -17.99 RAL 159.06 RAD 6567.3 VEL 11.369 PTH 1.96 VHP 3.471 DPA 5.24 RAP 147.44 ECC 1.1294
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 7 1419.30 4.36 355.39 7.98 118.01 8 17 46 819.3 8.07 348.68
 90.00 14 56 30 5256.69 26.82 237.26 11.77 80.56 16 24 7 4656.7 25.24 228.94
 100.00 9 4 50 1191.13 3.43 338.10 7.47 119.71 9 24 41 591.1 7.36 331.52
 100.00 16 28 29 4960.10 27.86 215.22 11.55 78.72 17 51 9 4360.1 26.03 206.91
 110.00 9 49 49 1050.19 1.09 325.96 6.01 124.17 10 7 19 450.2 5.57 319.73
 110.00 17 59 59 4673.80 30.54 192.73 10.81 73.84 19 17 53 4073.8 28.02 184.44

DIFFERENTIAL CORRECTIONS

TDE-1.0565 TRA .3772 TC3-5.7106 BAU .6097
 RDE -.1231 RRA .1483 RC3-1.0113 FAU .14268
 FDE-3.5490 FRA 2.1460 FC-15.7073 BSP 12320
 BDE 1.0636 BRA .4053 BC3 5.7995 FSP -3422

MID-COURSE EXECUTION ACCURACY

SGT 3946.4 SGR 697.5 SG3 1063.2
 RRT .9510 RRF .9658 RTF .9802
 SGB 4007.5 R23 .0998 R13 .9811
 SG1 4001.9 SG2 212.7 THA 9.57

ORBIT DETERMINATION ACCURACY

ST 2174.3 SR 269.7 SS 2215.0
 CRT .9686 CRS -.9844 CST -.9971
 LSA 3112.7 MSA 131.4 SSA 11.4
 EL1 2189.9 EL2 66.6 ALF 6.86

LAUNCH DATE MAY 31 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 466.072

RL 151.67 LAL .00 LOL 248.88 VL 26.876 GAL 1.61 AZL 92.61 MCA 210.42 SMA 129.13 ECC .17671 INC 2.6104 V1 29.375
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.939 GAP 3.38 AZP 87.75 TAL 172.47 TAP 22.90 RCA 106.31 APO 151.95 V2 35.223
 RC 109.101 GL -25.36 GP -9.27 ZAL 80.35 ZAP 131.12 ETS 352.91 ZAE 141.58 ETE 189.82 ZAC 119.13 ETC 12.30 CLP-131.79

PLANETOCENTRIC CONIC

C3 8.162 VML 2.857 DLA -19.14 RAL 160.17 RAD 6567.3 VEL 11.382 PTH 1.97 VHP 3.595 DPA 6.59 RAP 147.77 ECC 1.1343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 39 1380.65 5.59 353.22 9.80 117.80 8 33 40 780.7 9.27 346.47
 90.00 14 48 49 5309.12 27.35 241.00 13.80 82.36 16 17 18 4709.1 26.01 232.59
 100.00 9 20 11 1156.26 4.60 336.18 9.25 119.57 9 39 27 556.3 8.51 329.57
 100.00 16 21 58 5008.74 28.46 218.72 13.61 80.46 17 45 26 4408.7 26.85 210.28
 110.00 10 2 53 1022.50 2.15 324.51 7.73 124.12 10 19 55 422.5 6.62 318.27
 110.00 17 55 46 4715.27 31.29 195.73 12.92 75.47 19 14 21 4115.3 28.97 187.29

DIFFERENTIAL CORRECTIONS

TDE-1.1769 TRA .4435 TC3-5.8194 BAU .6421
 RDE -.0938 RRA .1406 RC3 -.8709 FAU .13238
 FDE-3.4759 FRA 2.1186 FC-14.0414 BSP 13053
 BDE 1.1807 BRA .4652 BC3 5.8842 FSP -3214

MID-COURSE EXECUTION ACCURACY

SGT 4185.0 SGR 610.0 SG3 997.1
 RRT .9321 RRF .9441 RTF .9807
 SGB 4229.2 R23 .0757 R13 .9813
 SG1 4223.5 SG2 218.9 THA 7.76

ORBIT DETERMINATION ACCURACY

ST 2379.3 SR 208.8 SS 2206.8
 CRT .9473 CRS -.9675 CST -.9974
 LSA 3249.1 MSA 131.3 SSA 12.4
 EL1 2387.5 EL2 66.7 ALF 4.76

LAUNCH DATE MAY 31 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 472.247

RL 151.67 LAL .00 LOL 248.88 VL 26.856 GAL 1.78 AZL 92.70 MCA 213.67 SMA 129.00 ECC .17837 INC 2.6998 V1 29.375
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.932 GAP 3.77 AZP 87.75 TAL 171.74 TAP 25.40 RCA 105.99 APO 152.01 V2 35.230
 RC 111.351 GL -25.75 GP -8.14 ZAL 78.89 ZAP 134.33 ETS 353.06 ZAE 139.76 ETE 188.11 ZAC 118.79 ETC 12.90 CLP-134.91

PLANETOCENTRIC CONIC

C3 8.469 VML 2.910 DLA -20.12 RAL 161.44 RAD 6567.3 VEL 11.396 PTH 1.97 VHP 3.732 DPA 7.62 RAP 148.24 ECC 1.1394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 38 1347.07 6.65 351.32 11.77 117.59 8 49 5 747.1 10.30 344.54
 90.00 14 42 58 5356.54 27.73 244.42 15.95 84.03 16 12 14 4756.5 26.62 235.93
 100.00 9 35 2 1126.34 5.61 334.53 11.19 119.41 9 53 48 526.3 9.48 327.88
 100.00 16 17 15 5052.51 28.92 221.89 15.79 82.07 17 41 27 4452.5 27.52 213.37
 110.00 10 15 34 999.30 3.04 323.30 9.60 124.06 10 32 14 399.3 7.49 317.04
 110.00 17 53 12 4752.31 31.89 198.45 15.15 76.98 19 12 24 4152.3 29.77 189.88

DIFFERENTIAL CORRECTIONS

TDE-1.2920 TRA .5163 TC3-5.8966 BAU .6733
 RDE -.0673 RRA .1357 RC3 -.7650 FAU .12259
 FDE-3.3720 FRA 2.0918 FC-12.5315 BSP 13769
 BDE 1.2938 BRA .5338 BC3 5.9460 FSP -3018

MID-COURSE EXECUTION ACCURACY

SGT 4407.0 SGR 544.7 SG3 932.6
 RRT .9052 RRF .9141 RTF .9811
 SGB 4440.5 R23 .0555 R13 .9814
 SG1 4434.5 SG2 230.0 THA 6.40

ORBIT DETERMINATION ACCURACY

ST 2566.4 SR 158.1 SS 2183.2
 CRT .9019 CRS -.9288 CST -.9976
 LSA 3370.5 MSA 130.9 SSA 13.3
 EL1 2570.4 EL2 68.2 ALF 3.18

LAUNCH DATE MAY 31 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 478.401

RL 151.67 LAL .00 LOL 248.88 VL 26.836 GAL 1.97 AZL 92.78 MCA 216.91 SMA 128.86 ECC .18020 INC 2.7750 V1 29.375
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.923 GAP 4.16 AZP 87.78 TAL 170.96 TAP 27.87 RCA 105.64 APO 152.08 V2 35.236
 RC 113.598 GL -25.97 GP -7.22 ZAL 77.36 ZAP 137.30 ETS 353.18 ZAE 138.10 ETE 186.85 ZAC 118.26 ETC 13.38 CLP-137.80

PLANETOCENTRIC CONIC

C3 8.792 VML 2.965 DLA -20.97 RAL 162.85 RAD 6567.3 VEL 11.410 PTH 1.97 VHP 3.878 DPA 8.38 RAP 148.88 ECC 1.1447
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 18 1317.35 7.59 349.64 13.88 117.36 9 4 15 717.4 11.20 342.82
 90.00 14 38 33 5400.47 28.00 247.60 18.22 85.61 16 8 33 4800.5 27.10 239.06
 100.00 9 49 34 1100.24 6.48 333.08 13.28 119.25 10 7 55 500.2 10.33 326.41
 100.00 16 13 57 5092.81 29.26 224.84 18.08 83.59 17 38 50 4492.8 28.06 216.24
 110.00 10 28 3 979.63 3.79 322.27 11.62 124.00 10 44 23 379.6 8.22 316.00
 110.00 17 51 58 4786.19 32.38 200.97 17.50 78.39 19 11 44 4186.2 30.44 192.29

DIFFERENTIAL CORRECTIONS

TDE-1.4011 TRA .5978 TC3-5.9315 BAU .7018
 RDE -.0429 RRA .1329 RC3 -.6813 FAU .11302
 FDE-3.2461 FRA 2.0713 FC-11.1287 BSP 14410
 BDE 1.4018 BRA .6124 BC3 5.9705 FSP -2820

MID-COURSE EXECUTION ACCURACY

SGT 4608.0 SGR 495.8 SG3 869.5
 RRT .8694 RRF .8751 RTF .9812
 SGB 4634.6 R23 .0398 R13 .9814
 SG1 4628.2 SG2 243.9 THA 5.36

ORBIT DETERMINATION ACCURACY

ST 2734.7 SR 117.6 SS 2146.2
 CRT .7972 CRS -.8344 CST -.9978
 LSA 3475.9 MSA 130.7 SSA 14.2
 EL1 2736.3 EL2 71.0 ALF 1.97

LAUNCH DATE MAY 31 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 484.536

RL 151.67 LAL .00 LOL 248.88 VL 26.814 GAL 2.18 AZL 92.84 MCA 220.15 SMA 128.72 ECC .18219 INC 2.8398 V1 29.375
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.913 GAP 4.54 AZP 87.83 TAL 170.15 TAP 30.30 RCA 105.27 APO 152.17 V2 35.241
 RC 115.842 GL -26.05 GP -6.46 ZAL 75.77 ZAP 140.05 ETS 353.27 ZAE 136.58 ETE 185.90 ZAC 117.55 ETC 13.74 CLP-140.49

PLANETOCENTRIC CONIC

C3 9.138 VHL 3.023 DLA -21.73 RAL 164.38 RAD 6567.3 VEL 11.425 PTH 1.98 VHP 4.033 DPA 8.92 RAP 149.66 ECC 1.1504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 57 46 1290.78 8.42 348.13 16.14 117.14 9 19 17 690.8 11.99 341.27
 90.00 14 35 17 5441.87 28.18 250.62 20.58 87.11 16 5 59 4841.9 27.48 242.02
 100.00 10 3 55 1077.29 7.24 331.80 15.50 119.08 10 21 52 477.3 11.06 325.10
 100.00 16 11 49 5130.59 29.51 227.62 20.48 85.03 17 37 19 4530.6 28.51 218.96
 110.00 10 40 24 962.90 4.42 321.40 13.77 123.93 10 56 27 362.9 8.85 315.10
 110.00 17 51 49 4817.75 32.79 203.34 19.97 79.74 19 12 6 4217.7 31.02 194.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5053 TRA .6879 TC3-5.9256 BAU .7278 SGT 4790.1 SGR 459.6 SG3 808.9 ST 2886.0 SR 90.1 SS 2100.3
 RDE -.0203 RRA .1318 RC3 -.6132 FAU .10379 RRT .8247 RRF .8271 RTF .9811 CRT .5584 CRS -.6089 CST -.9979
 FDE-3.1091 FRA 2.0555 FC3-9.8329 BSP 14972 SGB 4812.1 R23 .0277 R13 .9812 LSA 3568.1 MSA 130.8 SSA 15.0
 BDE 1.5055 BRA .7005 BC3 5.9573 FSP -2622 SG1 4805.2 SG2 259.1 THA 4.54 EL1 2886.5 EL2 74.7 ALF 1.00

LAUNCH DATE MAY 31 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 490.649

RL 151.67 LAL .00 LOL 248.88 VL 26.791 GAL 2.39 AZL 92.90 MCA 223.40 SMA 128.56 ECC .18435 INC 2.8965 V1 29.375
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.901 GAP 4.93 AZP 87.89 TAL 169.30 TAP 32.70 RCA 104.86 APO 152.27 V2 35.246
 RC 118.080 GL -26.01 GP -5.82 ZAL 74.13 ZAP 142.60 ETS 353.33 ZAE 135.20 ETE 185.18 ZAC 116.69 ETC 14.01 CLP-142.99

PLANETOCENTRIC CONIC

C3 9.513 VHL 3.084 DLA -22.40 RAL 166.01 RAD 6567.3 VEL 11.441 PTH 1.98 VHP 4.195 DPA 9.28 RAP 150.57 ECC 1.1566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 6 1266.94 9.15 346.76 18.52 116.91 9 34 12 666.9 12.69 339.87
 90.00 14 32 58 5481.37 28.28 253.51 23.06 88.55 16 4 20 4881.4 27.78 244.88
 100.00 10 18 6 1057.12 7.90 330.67 17.85 118.92 10 35 43 457.1 11.70 323.94
 100.00 16 10 39 5166.43 29.70 230.27 22.99 86.41 17 36 45 4566.4 28.88 221.56
 110.00 10 52 40 948.78 4.96 320.65 16.04 123.86 11 8 28 348.8 9.37 314.35
 110.00 17 52 35 4847.53 33.13 205.60 22.54 81.04 19 13 22 4247.5 31.53 196.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6081 TRA .7838 TC3-5.8955 BAU .7532 SGT 4962.9 SGR 434.0 SG3 753.3 ST 3026.3 SR 80.0 SS 2053.1
 RDE .0005 RRA .1316 RC3 -.5579 FAU .09546 RRT .7731 RRF .7719 RTF .9809 CRT .1472 CRS -.2064 CST -.9981
 FDE-2.9756 FRA 2.0367 FC3-8.6868 BSP 15549 SGB 4981.8 R23 .0177 R13 .9810 LSA 3655.5 MSA 130.8 SSA 15.6
 BDE 1.6081 BRA .7948 BC3 5.9219 FSP -2450 SG1 4974.2 SG2 274.6 THA 3.88 EL1 3026.4 EL2 79.1 ALF .22

LAUNCH DATE MAY 31 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 496.740

RL 151.67 LAL .00 LOL 248.88 VL 26.767 GAL 2.62 AZL 92.95 MCA 226.64 SMA 128.41 ECC .18669 INC 2.9466 V1 29.375
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.888 GAP 5.32 AZP 87.98 TAL 168.43 TAP 35.07 RCA 104.43 APO 152.38 V2 35.250
 RC 120.312 GL -25.87 GP -5.28 ZAL 72.43 ZAP 144.97 ETS 353.37 ZAE 133.96 ETE 184.62 ZAC 115.69 ETC 14.21 CLP-145.32

PLANETOCENTRIC CONIC

C3 9.924 VHL 3.150 DLA -23.01 RAL 167.73 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 4.364 DPA 9.49 RAP 151.62 ECC 1.1633
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 18 1245.58 9.81 345.54 21.01 116.70 9 49 4 645.6 13.32 338.61
 90.00 14 31 30 5519.40 28.32 256.29 25.63 89.95 16 3 29 4919.4 28.01 247.64
 100.00 10 32 9 1039.48 8.48 329.68 20.31 118.77 10 49 29 439.5 12.26 322.93
 100.00 16 10 20 5200.73 29.82 232.81 25.59 87.74 17 37 1 4600.7 29.18 224.06
 110.00 11 4 49 937.06 5.40 320.04 18.42 123.80 11 20 26 337.1 9.81 313.72
 110.00 17 54 9 4875.92 33.41 207.77 25.23 82.29 19 15 25 4275.9 31.98 198.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7071 TRA .8889 TC3-5.8316 BAU .7766 SGT 5121.0 SGR 416.2 SG3 701.4 ST 3151.3 SR 87.3 SS 2000.9
 RDE .0205 RRA .1323 RC3 -.5108 FAU .08770 RRT .7158 RRF .7112 RTF .9808 CRT -.2660 CRS .2093 CST -.9982
 FDE-2.8409 FRA 2.0224 FC3-7.6510 BSP 16066 SGB 5137.9 R23 .0099 R13 .9808 LSA 3731.5 MSA 131.4 SSA 16.3
 BDE 1.7072 BRA .8987 BC3 5.8540 FSP -2287 SG1 5129.7 SG2 290.2 THA 3.34 EL1 3151.4 EL2 84.2 ALF 179.58

LAUNCH DATE MAY 31 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 502.808

RL 151.67 LAL .00 LOL 248.88 VL 26.743 GAL 2.87 AZL 92.99 MCA 229.89 SMA 128.24 ECC .18922 INC 2.9918 V1 29.375
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.873 GAP 5.71 AZP 88.07 TAL 167.52 TAP 37.41 RCA 103.98 APO 152.51 V2 35.253
 RC 122.538 GL -25.64 GP -4.82 ZAL 70.69 ZAP 147.19 ETS 353.37 ZAE 132.84 ETE 184.17 ZAC 114.55 ETC 14.34 CLP-147.51

PLANETOCENTRIC CONIC

C3 10.376 VHL 3.221 DLA -23.55 RAL 169.53 RAD 6567.4 VEL 11.479 PTH 2.00 VHP 4.541 DPA 9.57 RAP 152.79 ECC 1.1708
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 23 1226.61 10.39 344.44 23.62 116.49 10 3 50 626.6 13.86 337.49
 90.00 14 30 47 5556.21 28.29 258.98 28.29 91.30 16 3 23 4956.2 28.17 250.32
 100.00 10 46 3 1024.31 8.98 328.83 22.88 118.63 11 3 8 424.3 12.73 322.05
 100.00 16 10 47 5233.75 29.88 235.26 28.30 89.03 17 38 1 4633.7 29.42 226.49
 110.00 11 16 53 927.66 5.76 319.54 20.91 123.75 11 32 20 327.7 10.15 313.21
 110.00 17 56 27 4903.15 33.63 209.86 28.01 83.51 19 18 11 4303.2 32.37 200.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8039 TRA 1.0021 TC3-5.7383 BAU .7986 SGT 5267.1 SGR 404.4 SG3 653.2 ST 3263.2 SR 105.4 SS 1946.7
 RDE .0397 RRA .1335 RC3 -.4695 FAU .08051 RRT .6550 RRF .6471 RTF .9805 CRT -.5238 CRS .4746 CST -.9983
 FDE-2.7101 FRA 2.0090 FC3-6.7181 BSP 16563 SGB 5282.7 R23 .0035 R13 .9805 LSA 3798.9 MSA 132.4 SSA 16.8
 BDE 1.8044 BRA 1.0110 BC3 5.7575 FSP -2138 SG1 5273.8 SG2 305.2 THA 2.89 EL1 3263.7 EL2 89.7 ALF 179.03

LAUNCH DATE MAY 31 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 508.853

RL 151.67 LAL .00 LOL 248.88 VL 26.717 GAL 3.13 AZL 93.03 MCA 233.14 SMA 128.07 ECC .19193 INC 3.0328 V1 29.375
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.858 GAP 6.10 AZP 88.18 TAL 166.58 TAP 39.72 RCA 103.49 APO 152.65 V2 35.256
 RC 124.755 GL -25.34 GP -4.43 ZAL 68.92 ZAP 149.27 ETS 353.34 ZAE 131.84 ETE 183.82 ZAC 113.30 ETC 14.41 CLP-149.56

PLANETOCENTRIC CONIC

C3 10.876 VHL 3.298 DLA -24.03 RAL 171.40 RAD 6567.4 VEL 11.501 PTH 2.00 VHP 4.723 DPA 9.53 RAP 154.06 ECC 1.1790
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 58 17 1210.02 10.89 343.48 26.33 116.30 10 18 27 610.0 14.34 336.50
 90.00 14 30 45 5591.93 28.21 261.59 31.04 92.60 16 3 57 4991.9 28.27 252.92
 100.00 10 59 46 1011.58 9.39 328.11 25.54 118.51 11 16 38 411.6 13.13 321.32
 100.00 16 11 57 5265.61 29.89 237.63 31.09 90.28 17 39 43 4665.6 29.61 228.84
 110.00 11 28 48 920.54 6.03 319.17 23.49 123.71 11 44 8 320.5 10.42 312.82
 110.00 17 59 25 4929.41 33.82 211.89 30.89 84.70 19 21 34 4329.4 32.72 202.83

DIFFERENTIAL CORRECTIONS

TDE-1.8952 TRA 1.1274 TC3-5.6067 BAU .8176
 RDE .0587 RRA .1353 RC3 -.4319 FAU .07364
 FDE-2.5771 FRA 2.0033 FC3-5.8616 BSP 16956
 BDE 1.8961 BRA 1.1355 BC3 5.6234 FSP -1990

MID-COURSE EXECUTION ACCURACY

SGT 5395.9 SGR 397.2 SG3 608.0
 RRT .5924 RRF .5816 RTF .9800
 SGB 5410.6 R23 -.0013 R13 .9800
 SG1 5401.1 SG2 319.7 THA 2.51

ORBIT DETERMINATION ACCURACY

ST 3356.7 SR 128.2 SS 1886.4
 CRT -.6625 CRS .6197 CST -.9983
 LSA 3850.2 MSA 134.5 SSA 17.2
 EL1 3357.7 EL2 96.0 ALF 178.55

LAUNCH DATE MAY 31 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 514.873

RL 151.67 LAL .00 LOL 248.88 VL 26.691 GAL 3.41 AZL 93.07 MCA 236.38 SMA 127.90 ECC .19485 INC 3.0705 V1 29.375
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.841 GAP 6.50 AZP 88.30 TAL 165.62 TAP 42.00 RCA 102.98 APO 152.82 V2 35.258
 RC 126.964 GL -24.97 GP -4.08 ZAL 67.12 ZAP 151.23 ETS 353.27 ZAE 130.93 ETE 183.53 ZAC 111.95 ETC 14.44 CLP-151.50

PLANETOCENTRIC CONIC

C3 11.432 VHL 3.381 DLA -24.46 RAL 173.32 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 4.913 DPA 9.40 RAP 155.43 ECC 1.1881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 12 57 1195.92 11.31 342.66 29.13 116.13 10 32 53 595.9 14.74 335.66
 90.00 14 31 23 5626.60 28.07 264.12 33.88 93.86 16 5 10 5026.6 28.31 255.46
 100.00 11 13 13 1001.36 9.73 327.54 28.29 118.41 11 29 55 401.4 13.45 320.72
 100.00 16 13 48 5296.39 29.86 239.92 33.97 91.48 17 42 5 4696.4 29.75 231.11
 110.00 11 40 31 915.73 6.21 318.91 26.16 123.68 11 55 47 315.7 10.59 312.56
 110.00 18 2 59 4954.78 33.96 213.86 33.86 85.85 19 25 34 4354.8 33.01 204.75

DIFFERENTIAL CORRECTIONS

TDE-1.9880 TRA 1.2588 TC3-5.4612 BAU .8369
 RDE .0772 RRA .1371 RC3 -.3981 FAU .06755
 FDE-2.4575 FRA 1.9932 FC3-5.1153 BSP 17387
 BDE 1.9895 BRA 1.2662 BC3 5.4757 FSP -1863

MID-COURSE EXECUTION ACCURACY

SGT 5520.8 SGR 393.4 SG3 567.1
 RRT .5302 RRF .5164 RTF .9797
 SGB 5534.8 R23 -.0058 R13 .9797
 SG1 5524.8 SG2 333.3 THA 2.17

ORBIT DETERMINATION ACCURACY

ST 3443.2 SR 151.8 SS 1830.1
 CRT -.7386 CRS .7009 CST -.9984
 LSA 3899.9 MSA 136.5 SSA 17.4
 EL1 3445.0 EL2 102.3 ALF 178.13

LAUNCH DATE MAY 31 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 520.867

RL 151.67 LAL .00 LOL 248.88 VL 26.664 GAL 3.71 AZL 93.11 MCA 239.63 SMA 127.72 ECC .19798 INC 3.1054 V1 29.375
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.823 GAP 6.90 AZP 88.43 TAL 164.63 TAP 44.26 RCA 102.44 APO 153.01 V2 35.259
 RC 129.165 GL -24.53 GP -3.78 ZAL 65.30 ZAP 153.08 ETS 353.17 ZAE 130.11 ETE 183.30 ZAC 110.50 ETC 14.44 CLP-153.32

PLANETOCENTRIC CONIC

C3 12.052 VHL 3.472 DLA -24.85 RAL 175.28 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 5.109 DPA 9.18 RAP 156.88 ECC 1.1983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 18 1184.43 11.66 341.99 32.01 115.99 10 47 3 584.4 15.06 334.97
 90.00 14 32 41 5660.19 27.90 266.56 36.78 95.08 16 7 1 5060.2 28.31 257.92
 100.00 11 26 22 993.75 9.97 327.10 31.13 118.33 11 42 56 393.8 13.68 320.28
 100.00 16 16 18 5326.11 29.79 242.12 36.93 92.64 17 45 4 4726.1 29.83 233.32
 110.00 11 52 1 913.27 6.30 318.78 28.90 123.67 12 7 15 313.3 10.68 312.43
 110.00 18 7 8 4979.35 34.07 215.77 36.91 86.98 19 30 8 4379.4 33.27 206.62

DIFFERENTIAL CORRECTIONS

TDE-2.0791 TRA 1.4002 TC3-5.2928 BAU .8548
 RDE .0958 RRA .1390 RC3 -.3666 FAU .06194
 FDE-2.3431 FRA 1.9859 FC3-4.4495 BSP 17793
 BDE 2.0813 BRA 1.4071 BC3 5.3055 FSP -1747

MID-COURSE EXECUTION ACCURACY

SGT 5636.0 SGR 392.0 SG3 529.4
 RRT .4691 RRF .4528 RTF .9794
 SGB 5649.6 R23 -.0094 R13 .9793
 SG1 5639.0 SG2 346.0 THA 1.88

ORBIT DETERMINATION ACCURACY

ST 3517.1 SR 175.5 SS 1773.1
 CRT -.7837 CRS .7497 CST -.9985
 LSA 3940.1 MSA 139.3 SSA 17.5
 EL1 3519.8 EL2 109.0 ALF 177.76

LAUNCH DATE MAY 31 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 526.833

RL 151.67 LAL .00 LOL 248.88 VL 26.636 GAL 4.03 AZL 93.14 MCA 242.88 SMA 127.54 ECC .20134 INC 3.1381 V1 29.375
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.804 GAP 7.31 AZP 88.57 TAL 163.62 TAP 46.50 RCA 101.86 APO 153.22 V2 35.259
 RC 131.355 GL -24.05 GP -3.52 ZAL 63.46 ZAP 154.82 ETS 353.04 ZAE 129.38 ETE 183.10 ZAC 108.97 ETC 14.41 CLP-155.06

PLANETOCENTRIC CONIC

C3 12.744 VHL 3.570 DLA -25.18 RAL 177.27 RAD 6567.5 VEL 11.581 PTH 2.03 VHP 5.312 DPA 8.88 RAP 158.40 ECC 1.2097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 14 1175.75 11.92 341.49 34.96 115.88 11 0 50 575.7 15.30 334.45
 90.00 14 34 39 5692.63 27.68 268.91 39.76 96.23 16 9 31 5092.6 28.25 260.29
 100.00 11 39 7 988.87 10.13 326.83 34.03 118.27 11 55 36 388.9 13.83 319.99
 100.00 16 19 27 5354.74 29.68 244.24 39.96 93.76 17 48 42 4754.7 29.88 235.45
 110.00 12 3 14 913.20 6.31 318.78 31.71 123.67 12 18 28 313.2 10.69 312.43
 110.00 18 11 49 5003.17 34.14 217.63 40.04 88.08 19 35 12 4403.2 33.49 208.45

DIFFERENTIAL CORRECTIONS

TDE-2.1680 TRA 1.5524 TC3-5.1023 BAU .8712
 RDE .1146 RRA .1408 RC3 -.3367 FAU .05674
 FDE-2.2345 FRA 1.9808 FC3-3.8545 BSP 18157
 BDE 2.1711 BRA 1.5588 BC3 5.1134 FSP -1638

MID-COURSE EXECUTION ACCURACY

SGT 5741.0 SGR 392.3 SG3 494.6
 RRT .4098 RRF .3913 RTF .9790
 SGB 5754.3 R23 -.0125 R13 .9790
 SG1 5743.2 SG2 357.7 THA 1.61

ORBIT DETERMINATION ACCURACY

ST 3578.0 SR 198.7 SS 1715.8
 CRT -.8120 CRS .7807 CST -.9986
 LSA 3970.5 MSA 142.5 SSA 17.5
 EL1 3581.6 EL2 115.9 ALF 177.42

LAUNCH DATE MAY 31 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 532.770

RL 151.67 LAL .00 LOL 248.88 VL 26.608 GAL 4.36 AZL 93.17 MCA 246.13 SMA 127.36 ECC .20494 INC 3.1690 V1 29.375
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.783 GAP 7.73 AZP 88.72 TAL 162.59 TAP 48.72 RCA 101.26 APO 153.46 V2 35.259
 RC 133.537 GL -23.51 GP -3.29 ZAL 61.62 ZAP 156.48 ETS 352.88 ZAE 128.71 ETE 182.93 ZAC 107.36 ETC 14.36 CLP-156.70

PLANETOCENTRIC CONIC

C3 13.518 VML 3.677 DLA -25.46 RAL 179.28 RAD 6567.5 VEL 11.615 PTH 2.04 VHP 5.522 DPA 8.51 RAP 160.00 ECC 1.2225
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 54 39 1170.08 12.08 341.16 37.97 115.80 11 14 9 570.1 15.46 334.10
 90.00 14 37 18 5723.77 27.43 271.15 42.80 97.33 16 12 42 5123.8 28.16 262.56
 100.00 11 51 24 986.86 10.19 326.71 36.98 118.25 12 7 51 386.9 13.89 319.88
 100.00 16 23 14 5382.23 29.54 246.28 43.05 94.82 17 52 56 4782.2 29.89 237.49
 110.00 12 14 7 915.58 6.22 318.90 34.57 123.68 12 29 23 315.6 10.60 312.56
 110.00 18 17 0 5026.28 34.17 219.43 43.24 89.14 19 40 46 4426.3 33.68 210.22

DIFFERENTIAL CORRECTIONS

TDE-2.2561 TRA 1.7145 TC3-4.8953 BAU .8865
 RDE .1336 RRA .1423 RC3 -.3082 FAU .05195
 FDE-2.1323 FRA 1.9767 FC3-3.3269 BSP 18508
 BDE 2.2601 BRA 1.7204 BC3 4.9050 FSP -1539

MID-COURSE EXECUTION ACCURACY

SGT 5837.5 SGR 393.8 SG3 462.6
 RRT .3526 RRF .3322 RTF .9786
 SGB 5850.7 R23 -.0152 R13 .9786
 SG1 5839.1 SG2 368.4 THA 1.37

ORBIT DETERMINATION ACCURACY

ST 3627.8 SR 221.0 SS 1659.2
 CRT -.8307 CRS .8015 CST -.9986
 LSA 3992.6 MSA 146.3 SSA 17.4
 EL1 3632.4 EL2 122.9 ALF 177.10

LAUNCH DATE MAY 31 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 538.676

RL 151.67 LAL .00 LOL 248.88 VL 26.580 GAL 4.71 AZL 93.20 MCA 249.38 SMA 127.17 ECC .20880 INC 3.1983 V1 29.375
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.762 GAP 8.15 AZP 88.87 TAL 161.54 TAP 50.92 RCA 100.62 APO 153.73 V2 35.257
 RC 135.709 GL -22.93 GP -3.09 ZAL 59.79 ZAP 158.06 ETS 352.67 ZAE 128.11 ETE 182.79 ZAC 105.68 ETC 14.29 CLP-158.27

PLANETOCENTRIC CONIC

C3 14.385 VML 3.793 DLA -25.70 RAL 181.31 RAD 6567.6 VEL 11.652 PTH 2.05 VHP 5.740 DPA 8.08 RAP 161.64 ECC 1.2367
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 7 28 1167.67 12.16 341.02 41.02 115.77 11 26 55 567.7 15.53 333.96
 90.00 14 40 39 5753.50 27.15 273.28 45.90 98.37 16 16 33 5153.5 28.03 264.73
 100.00 12 3 9 987.83 10.16 326.77 39.99 118.26 12 19 37 387.8 13.86 319.93
 100.00 16 27 39 5408.57 29.37 248.22 46.21 95.82 17 57 47 4808.6 29.87 239.45
 110.00 12 24 38 920.45 6.03 319.16 37.48 123.71 12 39 58 320.5 10.42 312.82
 110.00 18 22 40 5048.71 34.18 221.18 46.51 90.18 19 46 48 4448.7 33.83 211.96

DIFFERENTIAL CORRECTIONS

TDE-2.3402 TRA 1.8911 TC3-4.6647 BAU .8987
 RDE .1532 RRA .1436 RC3 -.2806 FAU .04732
 FDE-2.0322 FRA 1.9777 FC3-2.8480 BSP 18762
 BDE 2.3452 BRA 1.8965 BC3 4.6731 FSP -1440

MID-COURSE EXECUTION ACCURACY

SGT 5921.9 SGR 395.9 SG3 432.7
 RRT .2977 RRF .2760 RTF .9780
 SGB 5935.2 R23 -.0171 R13 .9780
 SG1 5923.1 SG2 377.9 THA 1.14

ORBIT DETERMINATION ACCURACY

ST 3662.5 SR 242.5 SS 1600.7
 CRT -.8431 CRS .8154 CST -.9987
 LSA 4001.5 MSA 150.8 SSA 17.2
 EL1 3668.2 EL2 130.2 ALF 176.80

LAUNCH DATE MAY 31 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 544.548

RL 151.67 LAL .00 LOL 248.88 VL 26.551 GAL 5.09 AZL 93.23 MCA 252.62 SMA 126.99 ECC .21294 INC 3.2264 V1 29.375
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.740 GAP 8.59 AZP 89.04 TAL 160.48 TAP 53.10 RCA 99.95 APO 154.03 V2 35.255
 RC 137.871 GL -22.32 GP -2.91 ZAL 57.96 ZAP 159.57 ETS 352.43 ZAE 127.56 ETE 182.66 ZAC 103.95 ETC 14.21 CLP-159.77

PLANETOCENTRIC CONIC

C3 15.357 VML 3.919 DLA -25.89 RAL 183.34 RAD 6567.6 VEL 11.694 PTH 2.06 VHP 5.967 DPA 7.60 RAP 163.34 ECC 1.2527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 19 32 1168.74 12.12 341.08 44.12 115.79 11 39 1 568.7 15.50 334.02
 90.00 14 44 45 5781.62 26.86 275.29 49.05 99.33 16 21 7 5181.6 27.87 266.77
 100.00 12 14 17 991.92 10.03 327.00 43.03 118.31 12 30 49 391.9 13.74 320.17
 100.00 16 32 41 5433.68 29.18 250.06 49.42 96.78 18 3 14 4833.7 29.82 241.31
 110.00 12 34 42 927.87 5.75 319.55 40.43 123.75 12 50 10 327.9 10.15 313.22
 110.00 18 28 45 5070.49 34.17 222.89 49.83 91.19 19 53 16 4470.5 33.95 213.65

DIFFERENTIAL CORRECTIONS

TDE-2.4265 TRA 2.0762 TC3-4.4308 BAU .9112
 RDE .1731 RRA .1442 RC3 -.2544 FAU .04321
 FDE-1.9424 FRA 1.9768 FC3-2.4360 BSP 19067
 BDE 2.4327 BRA 2.0812 BC3 4.4381 FSP -1356

MID-COURSE EXECUTION ACCURACY

SGT 6002.7 SGR 398.5 SG3 405.5
 RRT .2447 RRF .2218 RTF .9777
 SGB 6015.9 R23 -.0190 R13 .9776
 SG1 6003.5 SG2 386.3 THA .93

ORBIT DETERMINATION ACCURACY

ST 3690.8 SR 262.8 SS 1546.4
 CRT -.8519 CRS .8256 CST -.9987
 LSA 4007.2 MSA 155.3 SSA 17.0
 EL1 3697.6 EL2 137.4 ALF 176.52

LAUNCH DATE MAY 31 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 550.384

RL 151.67 LAL .00 LOL 248.88 VL 26.522 GAL 5.48 AZL 93.25 MCA 255.87 SMA 126.80 ECC .21738 INC 3.2536 V1 29.375
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.717 GAP 9.03 AZP 89.20 TAL 159.41 TAP 55.28 RCA 99.24 APO 154.36 V2 35.253
 RC 140.023 GL -21.68 GP -2.75 ZAL 56.15 ZAP 161.02 ETS 352.14 ZAE 127.06 ETE 182.55 ZAC 102.16 ETC 14.13 CLP-161.21

PLANETOCENTRIC CONIC

C3 16.449 VML 4.056 DLA -26.04 RAL 185.36 RAD 6567.7 VEL 11.740 PTH 2.07 VHP 6.203 DPA 7.06 RAP 165.09 ECC 1.2707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 30 47 1173.50 11.98 341.36 47.24 115.85 11 50 21 573.5 15.36 334.31
 90.00 14 49 36 5808.02 26.55 277.16 52.25 100.22 16 26 24 5208.0 27.69 268.68
 100.00 12 24 46 999.20 9.80 327.41 46.10 118.38 12 41 25 399.2 13.51 320.60
 100.00 16 38 19 5457.55 28.98 251.80 52.68 97.67 18 9 16 4857.5 29.74 243.08
 110.00 12 44 19 937.84 5.37 320.08 43.41 123.81 12 59 57 337.8 9.78 313.76
 110.00 18 35 15 5091.67 34.12 224.54 53.20 92.16 20 0 7 4491.7 34.05 215.29

DIFFERENTIAL CORRECTIONS

TDE-2.5117 TRA 2.2736 TC3-4.1875 BAU .9222
 RDE .1936 RRA .1442 RC3 -.2293 FAU .03938
 FDE-1.8572 FRA 1.9776 FC3-2.0724 BSP 19349
 BDE 2.5191 BRA 2.2781 BC3 4.1937 FSP -1278

MID-COURSE EXECUTION ACCURACY

SGT 6075.1 SGR 401.1 SG3 380.3
 RRT .1937 RRF .1700 RTF .9773
 SGB 6088.3 R23 -.0204 R13 .9773
 SG1 6075.6 SG2 393.5 THA .74

ORBIT DETERMINATION ACCURACY

ST 3708.2 SR 281.9 SS 1492.6
 CRT -.8581 CRS .8328 CST -.9988
 LSA 4004.0 MSA 160.2 SSA 16.7
 EL1 3716.1 EL2 144.5 ALF 176.26

LAUNCH DATE MAY 31 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 556.179

RL 151.67 LAL .00 LOL 248.88 VL 26.492 GAL 5.90 AZL 93.28 MCA 259.12 SMA 126.61 ECC .22214 INC 3.2799 V1 29.375
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.693 GAP 9.49 AZP 89.38 TAL 158.32 TAP 57.44 RCA 98.48 APO 154.73 V2 35.249
 RC 142.165 GL -21.01 GP -2.61 ZAL 54.35 ZAP 162.41 ETS 351.80 ZAE 126.60 ETE 182.45 ZAC 100.33 ETC 14.05 CLP-162.60

PLANETOCENTRIC CONIC

C3 17.676 VHL 4.204 DLA -26.15 RAL 187.36 RAD 6567.7 VEL 11.792 PTH 2.08 VHP 6.449 DPA 6.48 RAP 166.87 ECC 1.2909
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 41 8 1182.10 11.73 341.86 50.37 115.96 12 0 51 582.1 15.12 334.83
 90.00 14 55 14 5832.58 26.24 278.89 55.49 101.04 16 32 26 5232.6 27.50 270.45
 100.00 12 34 31 1009.74 9.45 328.01 49.18 118.49 12 51 21 409.7 13.19 321.21
 100.00 16 44 32 5480.17 28.76 253.45 55.98 98.51 18 15 52 4880.2 29.64 244.76
 110.00 12 53 26 950.37 4.90 320.74 46.40 123.87 13 9 16 350.4 9.31 314.43
 110.00 18 42 7 5112.31 34.06 226.15 56.61 93.11 20 7 19 4512.3 34.11 216.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5970 TRA 2.4837 TC3-3.9376 BAU .9317 SGT 6140.6 SGR 403.7 SG3 357.1 ST 3716.9 SR 299.9 SS 1440.9
 RDE .2147 RRA .1435 RC3 -.2054 FAU .03580 RRT .1443 RRF .1202 RTF .9769 CRT -.8623 CRS .8381 CST -.9989
 FDE-1.7781 FRA 1.9800 FC3-1.7536 BSP 19602 SGB 6153.8 R23 -.0216 R13 .9769 LSA 3994.2 MSA 165.2 SSA 16.4
 BDE 2.6058 BRA 2.4878 BC3 3.9429 FSP -1205 SG1 6140.8 SG2 399.4 THA .55 EL1 3725.9 EL2 151.5 ALF 176.01

LAUNCH DATE MAY 31 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 561.932

RL 151.67 LAL .00 LOL 248.88 VL 26.462 GAL 6.35 AZL 93.31 MCA 262.36 SMA 126.42 ECC .22726 INC 3.3057 V1 29.375
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.668 GAP 9.97 AZP 89.56 TAL 157.22 TAP 59.59 RCA 97.69 APO 155.15 V2 35.245
 RC 144.295 GL -20.33 GP -2.48 ZAL 52.59 ZAP 163.76 ETS 351.40 ZAE 126.18 ETE 182.36 ZAC 98.45 ETC 13.96 CLP-163.94

PLANETOCENTRIC CONIC

C3 19.056 VHL 4.365 DLA -26.22 RAL 189.34 RAD 6567.8 VEL 11.851 PTH 2.10 VHP 6.707 DPA 5.86 RAP 168.68 ECC 1.3136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 50 32 1194.63 11.35 342.59 53.51 116.12 12 10 27 594.6 14.77 335.58
 90.00 15 1 37 5855.26 25.94 280.48 58.78 101.78 16 39 12 5255.3 27.30 272.08
 100.00 12 43 31 1023.54 9.00 328.79 52.28 118.62 13 0 35 423.5 12.76 322.01
 100.00 16 51 19 5501.59 28.54 255.00 59.32 99.30 18 23 1 4901.6 29.53 246.34
 110.00 13 2 2 985.44 4.33 321.53 49.42 123.94 13 18 7 365.4 8.75 315.24
 110.00 18 49 18 5132.46 33.97 227.71 60.06 94.04 20 14 50 4532.5 34.16 218.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6782 TRA 2.7112 TC3-3.6758 BAU .9376 SGT 6195.9 SGR 406.1 SG3 335.5 ST 3712.3 SR 316.7 SS 1388.7
 RDE .2365 RRA .1420 RC3 -.1826 FAU .03232 RRT .0971 RRF .0731 RTF .9764 CRT -.8648 CRS .8411 CST -.9989
 FDE-1.7005 FRA 1.9872 FC3-1.4683 BSP 19755 SGB 6209.2 R23 -.0222 R13 .9764 LSA 3972.5 MSA 170.7 SSA 16.1
 BDE 2.6886 BRA 2.7149 BC3 3.6803 FSP -1131 SG1 6196.0 SG2 404.2 THA .37 EL1 3722.4 EL2 158.6 ALF 175.77

LAUNCH DATE MAY 31 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 567.636

RL 151.67 LAL .00 LOL 248.88 VL 26.432 GAL 6.82 AZL 93.33 MCA 265.61 SMA 126.23 ECC .23275 INC 3.3311 V1 29.375
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.642 GAP 10.46 AZP 89.74 TAL 156.12 TAP 61.73 RCA 96.85 APO 155.61 V2 35.240
 RC 146.414 GL -19.63 GP -2.36 ZAL 50.86 ZAP 165.06 ETS 350.93 ZAE 125.79 ETE 182.27 ZAC 96.53 ETC 13.88 CLP-165.24

PLANETOCENTRIC CONIC

C3 20.612 VHL 4.540 DLA -26.25 RAL 191.28 RAD 6567.8 VEL 11.916 PTH 2.12 VHP 6.976 DPA 5.20 RAP 170.52 ECC 1.3392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 58 57 1211.12 10.86 343.55 56.64 116.31 12 19 8 611.1 14.31 336.57
 90.00 15 8 44 5876.07 25.64 281.93 62.10 102.45 16 46 40 5276.1 27.10 273.57
 100.00 12 51 46 1040.57 8.45 329.74 55.37 118.78 13 9 6 440.6 12.23 322.99
 100.00 16 58 37 5521.86 28.30 256.47 62.70 100.04 18 30 38 4921.9 29.40 247.83
 110.00 13 10 6 983.01 3.66 322.45 52.43 124.01 13 26 29 383.0 8.10 316.18
 110.00 18 56 46 5152.18 33.87 229.25 63.55 94.94 20 22 38 4552.2 34.18 220.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7640 TRA 2.9487 TC3-3.4219 BAU .9440 SGT 6247.9 SGR 408.2 SG3 315.6 ST 3704.7 SR 332.0 SS 1341.1
 RDE .2589 RRA .1393 RC3 -.1613 FAU .02923 RRT .0505 RRF .0268 RTF .9762 CRT -.8667 CRS .8438 CST -.9989
 FDE-1.6320 FRA 1.9926 FC3-1.2277 BSP 19983 SGB 6261.2 R23 -.0227 R13 .9762 LSA 3950.0 MSA 175.8 SSA 15.7
 BDE 2.7761 BRA 2.9520 BC3 3.4257 FSP -1069 SG1 6247.9 SG2 407.7 THA .19 EL1 3715.9 EL2 165.1 ALF 175.55

LAUNCH DATE MAY 31 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 573.286

RL 151.67 LAL .00 LOL 248.88 VL 26.402 GAL 7.33 AZL 93.36 MCA 268.85 SMA 126.04 ECC .23867 INC 3.3562 V1 29.375
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.616 GAP 10.97 AZP 89.93 TAL 155.02 TAP 63.87 RCA 95.95 APO 156.12 V2 35.234
 RC 148.521 GL -18.91 GP -2.26 ZAL 49.16 ZAP 166.32 ETS 350.38 ZAE 125.43 ETE 182.18 ZAC 94.59 ETC 13.81 CLP-166.51

PLANETOCENTRIC CONIC

C3 22.368 VHL 4.729 DLA -26.24 RAL 193.19 RAD 6567.9 VEL 11.989 PTH 2.14 VHP 7.260 DPA 4.51 RAP 172.39 ECC 1.3681
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 22 1231.47 10.24 344.72 59.77 116.54 12 26 53 631.5 13.72 337.78
 90.00 15 16 33 607.07 25.35 305.35 65.46 103.05 15 26 40 7.1 26.90 297.02
 100.00 12 59 14 1060.75 7.78 330.88 58.46 118.95 13 16 55 460.8 11.59 324.15
 100.00 17 6 22 5541.06 28.07 257.84 66.10 100.73 18 38 43 4941.1 29.26 249.24
 110.00 13 17 37 1003.03 2.89 323.50 55.45 124.08 13 34 20 403.0 7.35 317.24
 110.00 19 4 28 5171.55 33.74 230.74 67.06 95.82 20 30 39 4571.5 34.18 221.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8497 TRA 3.2020 TC3-3.1679 BAU .9483 SGT 6292.9 SGR 409.9 SG3 297.2 ST 3689.2 SR 346.0 SS 1295.4
 RDE .2819 RRA .1356 RC3 -.1413 FAU .02632 RRT .0050 RRF -.0179 RTF .9760 CRT -.8678 CRS .8455 CST -.9990
 FDE-1.5678 FRA 2.0003 FC3-1.0188 BSP 20182 SGB 6306.2 R23 -.0229 R13 .9760 LSA 3921.1 MSA 180.8 SSA 15.3
 BDE 2.8636 BRA 3.2048 BC3 3.1711 FSP -1010 SG1 6292.9 SG2 409.9 THA .02 EL1 3701.4 EL2 171.4 ALF 175.34

LAUNCH DATE MAY 31 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 578.877

RL 151.67 LAL .00 LOL 248.88 VL 26.372 GAL 7.87 AZL 93.38 HCA 272.09 SMA 125.84 ECC .24505 INC 3.3813 V1 29.375
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.588 GAP 11.51 AZP 90.12 TAL 153.92 TAP 66.01 RCA 95.01 APO 156.68 V2 35.228
 RC 150.615 GL -18.19 GP -2.17 ZAL 47.50 ZAP 167.55 ETS 349.73 ZAE 125.08 ETE 182.10 ZAC 92.62 ETC 13.74 CLP-167.74

PLANETOCENTRIC CONIC

C3 24.352 VHL 4.935 DLA -26.19 RAL 195.06 RAD 6568.0 VEL 12.072 PTH 2.16 VHP 7.558 DPA 3.79 RAP 174.27 ECC 1.4008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 12 49 1255.54 9.50 346.11 62.87 116.80 12 33 45 655.5 13.03 339.20
 90.00 15 24 58 624.50 25.08 306.55 68.85 103.60 15 35 23 24.5 26.70 298.26
 100.00 13 5 56 1083.99 7.02 332.17 61.53 119.13 13 24 0 484.0 10.85 325.48
 100.00 17 14 32 5559.32 27.83 259.15 69.53 101.37 18 47 11 4959.3 29.12 250.58
 110.00 13 24 36 1025.43 2.04 324.67 58.46 124.13 13 41 41 425.4 6.50 318.43
 110.00 19 12 22 5190.64 33.60 232.22 70.59 96.68 20 38 52 4590.6 34.16 223.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9366 TRA 3.4715 TC3-2.9158 BAU .9502 SGT 6331.1 SGR 411.2 SG3 280.2 ST 3667.2 SR 358.4 SS 1252.1
 RDE .3056 RRA .1305 RC3 -.1227 FAU .02357 RRT -.0395 RRF -.0615 RTF .9758 CRT -.8682 CRS .8465 CST -.9990
 FDE-1.5082 FRA 2.0100 FC3 -.8379 BSP 20357 SGB 6344.5 R23 .0229 R13 -.9758 LSA 3887.1 MSA 185.5 SSA 15.0
 BDE 2.9525 BRA 3.4739 BC3 2.9184 FSP -955 SG1 6331.2 SG2 410.9 THA 179.85 EL1 3680.4 EL2 177.2 ALF 175.14

LAUNCH DATE MAY 31 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 584.401

RL 151.67 LAL .00 LOL 248.88 VL 26.341 GAL 8.44 AZL 93.41 HCA 275.34 SMA 125.65 ECC .25193 INC 3.4065 V1 29.375
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.561 GAP 12.07 AZP 90.32 TAL 152.82 TAP 68.15 RCA 94.00 APO 157.31 V2 35.221
 RC 152.696 GL -17.47 GP -2.08 ZAL 45.89 ZAP 168.76 ETS 348.95 ZAE 124.75 ETE 182.03 ZAC 90.63 ETC 13.69 CLP-168.95

PLANETOCENTRIC CONIC

C3 26.601 VHL 5.158 DLA -26.12 RAL 196.87 RAD 6568.1 VEL 12.165 PTH 2.18 VHP 7.874 DPA 3.05 RAP 176.17 ECC 1.4378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 18 21 1283.09 8.66 347.69 65.95 117.07 12 39 44 683.1 12.22 340.82
 90.00 15 33 55 640.54 24.82 307.66 72.26 104.09 15 44 35 40.5 26.51 299.40
 100.00 13 11 55 1110.12 6.15 333.63 64.59 119.31 13 30 25 510.1 10.01 326.97
 100.00 17 23 2 5576.78 27.59 260.39 72.97 101.99 18 55 59 4976.8 28.96 251.86
 110.00 13 31 2 1050.12 1.10 325.96 61.47 124.17 13 48 32 450.1 5.57 319.73
 110.00 19 20 25 5209.54 33.44 233.67 74.14 97.52 20 47 14 4609.5 34.12 224.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0213 TRA 3.7617 TC3-2.6629 BAU .9477 SGT 6361.7 SGR 412.0 SG3 264.3 ST 3636.2 SR 369.4 SS 1209.8
 RDE .3299 RRA .1240 RC3 -.1057 FAU .02088 RRT -.0826 RRF -.1032 RTF .9757 CRT -.8678 CRS .8465 CST -.9991
 FDE-1.4507 FRA 2.0237 FC3 -.6795 BSP 20425 SGB 6375.0 R23 .0223 R13 -.9757 LSA 3845.2 MSA 190.3 SSA 14.6
 BDE 3.0393 BRA 3.7637 BC3 2.6650 FSP -899 SG1 6361.8 SG2 410.6 THA 179.69 EL1 3650.3 EL2 182.9 ALF 174.95

LAUNCH DATE MAY 31 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 589.849

RL 151.67 LAL .00 LOL 248.88 VL 26.311 GAL 9.05 AZL 93.43 HCA 278.58 SMA 125.46 ECC .25937 INC 3.4320 V1 29.375
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.532 GAP 12.66 AZP 90.51 TAL 151.73 TAP 70.30 RCA 92.92 APO 158.01 V2 35.214
 RC 154.762 GL -16.74 GP -2.00 ZAL 44.33 ZAP 169.93 ETS 347.99 ZAE 124.45 ETE 181.95 ZAC 88.62 ETC 13.64 CLP-170.13

PLANETOCENTRIC CONIC

C3 29.152 VHL 5.399 DLA -26.01 RAL 198.63 RAD 6568.2 VEL 12.269 PTH 2.21 VHP 8.209 DPA 2.28 RAP 178.08 ECC 1.4798
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 23 1 1313.86 7.70 349.44 69.00 117.33 12 44 55 713.9 11.30 342.62
 90.00 15 43 17 655.41 24.57 308.67 75.69 104.54 15 54 13 55.4 26.33 300.45
 100.00 13 17 10 1138.98 5.18 335.23 67.63 119.48 13 36 9 539.0 9.07 328.60
 100.00 17 31 49 5593.56 27.35 261.58 76.43 102.57 19 5 3 4993.6 28.80 253.08
 110.00 13 36 55 1077.00 .07 327.36 64.46 124.18 13 54 52 477.0 4.55 321.14
 110.00 19 28 34 5228.31 33.27 235.11 77.70 98.36 20 55 42 4628.3 34.06 225.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1129 TRA 4.0662 TC3-2.4231 BAU .9450 SGT 6388.3 SGR 412.3 SG3 249.6 ST 3604.5 SR 378.8 SS 1172.0
 RDE .3548 RRA .1160 RC3 -.0901 FAU .01846 RRT -.1258 RRF -.1449 RTF .9758 CRT -.8675 CRS .8467 CST -.9991
 FDE-1.4008 FRA 2.0374 FC3 -.5483 BSP 20585 SGB 6401.6 R23 .0217 R13 -.9758 LSA 3804.2 MSA 194.3 SSA 14.2
 BDE 3.1331 BRA 4.0679 BC3 2.4247 FSP -852 SG1 6388.5 SG2 409.0 THA 179.53 EL1 3619.5 EL2 187.7 ALF 174.78

LAUNCH DATE MAY 31 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 595.211

RL 151.67 LAL .00 LOL 248.88 VL 26.281 GAL 9.70 AZL 93.46 HCA 281.81 SMA 125.28 ECC .26743 INC 3.4578 V1 29.375
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.503 GAP 13.28 AZP 90.71 TAL 150.65 TAP 72.46 RCA 91.77 APO 158.78 V2 35.205
 RC 156.813 GL -16.02 GP -1.93 ZAL 42.81 ZAP 171.09 ETS 346.80 ZAE 124.13 ETE 181.87 ZAC 86.60 ETC 13.61 CLP-171.30

PLANETOCENTRIC CONIC

C3 32.056 VHL 5.662 DLA -25.87 RAL 200.33 RAD 6568.3 VEL 12.387 PTH 2.24 VHP 8.565 DPA 1.50 RAP 179.99 ECC 1.5276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 26 53 1347.57 6.64 351.35 72.02 117.59 12 49 20 747.6 10.28 344.57
 90.00 15 53 0 669.37 24.33 309.62 79.13 104.96 16 4 9 69.4 26.15 301.43
 100.00 13 21 45 1170.40 4.13 336.96 70.65 119.63 13 41 15 570.4 8.04 330.36
 100.00 17 40 49 5609.81 27.10 262.72 79.90 103.12 19 14 19 5009.8 28.64 254.26
 110.00 13 42 17 1105.97 -1.04 328.87 67.43 124.17 14 0 43 506.0 3.45 322.66
 110.00 19 36 46 5247.00 33.07 236.53 81.26 99.18 21 4 13 4647.0 33.99 227.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2068 TRA 4.3909 TC3-2.1899 BAU .9391 SGT 6408.5 SGR 412.2 SG3 236.0 ST 3568.1 SR 386.6 SS 1136.8
 RDE .3804 RRA .1063 RC3 -.0762 FAU .01616 RRT -.1684 RRF -.1856 RTF .9760 CRT -.8669 CRS .8467 CST -.9991
 FDE-1.3547 FRA 2.0536 FC3 -.4365 BSP 20720 SGB 6421.7 R23 .0209 R13 -.9760 LSA 3759.5 MSA 197.8 SSA 13.8
 BDE 3.2293 BRA 4.3922 BC3 2.1912 FSP -807 SG1 6408.8 SG2 406.3 THA 179.38 EL1 3583.9 EL2 191.9 ALF 174.62

LAUNCH DATE MAY 31 1967

FLIGHT TIME 214.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 600.473

RL 151.67 LAL .00 LOL 248.88 VL 26.250 GAL 10.40 AZL 93.48 MCA 285.05 SMA 125.09 ECC .27618 INC 3.4843 VJ 29.375
 RP 107.67 LAP 3.36 LOP 173.95 VP 37.474 GAP 13.94 AZP 90.91 TAL 149.58 TAP 74.63 RCA 90.54 APO 159.64 V2 35.197
 RC 158.850 GL -15.30 GP -1.87 ZAL 41.36 ZAP 172.23 ETS 345.27 ZAE 123.83 ETE 181.80 ZAC 84.57 ETC 13.60 CLP-172.46

PLANETOCENTRIC CONIC

C3 35.369 VHL 5.947 DLA -25.71 RAL 201.97 RAD 6568.4 VEL 12.520 PTH 2.27 VHP 8.946 DPA .70 RAP 181.92 ECC 1.5821
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 30 1 1383.92 5.49 353.40 75.01 117.82 12 53 5 783.9 9.17 346.66
 90.00 16 2 56 682.63 24.09 310.52 82.58 105.35 16 14 19 82.6 25.97 302.36
 100.00 13 25 41 1204.18 2.99 338.82 73.63 119.76 13 45 45 604.2 6.93 332.25
 100.00 17 49 57 5625.64 26.85 263.83 83.37 103.65 19 23 43 5025.6 28.46 255.40
 110.00 13 47 7 1136.91 -2.22 330.48 70.39 124.12 14 6 4 536.9 2.27 324.28
 110.00 19 45 1 5265.67 32.86 237.95 84.82 99.99 21 12 46 4665.7 33.89 228.86

DIFFERENTIAL CORRECTIONS

TDE-3.3041 TRA 4.7375 TC3-1.9645 BAU .9294
 RDE .4065 RRA .0947 RC3 -.0637 FAU .01397
 FDE-1.3128 FRA 2.0728 FC3 -.3419 BSP 20836
 BDE 3.3290 BRA 4.7385 BC3 1.9655 FSP -766

MID-COURSE EXECUTION ACCURACY

SGT 6422.8 SGR 411.5 SG3 223.3
 RRT -.2105 RRF -.2257 RTF .9763
 SGB 6436.0 R23 .0198 R13 -.9763
 SG1 6423.4 SG2 402.3 THA 179.22

ORBIT DETERMINATION ACCURACY

ST 3528.1 SR 392.8 SS 1104.4
 CRT -.8661 CRS .8464 CST -.9992
 LSA 3712.3 MSA 200.7 SSA 13.4
 EL1 3544.5 EL2 195.4 ALF 174.48

LAUNCH DATE MAY 31 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 605.622

RL 151.67 LAL .00 LOL 248.88 VL 26.220 GAL 11.15 AZL 93.51 MCA 288.29 SMA 124.90 ECC .28569 INC 3.5116 V1 29.375
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.444 GAP 14.64 AZP 91.10 TAL 148.54 TAP 76.83 RCA 89.22 APO 160.59 V2 35.187
 RC 160.871 GL -14.58 GP -1.81 ZAL 39.96 ZAP 173.36 ETS 343.24 ZAE 123.52 ETE 181.73 ZAC 82.53 ETC 13.60 CLP-173.61

PLANETOCENTRIC CONIC

C3 39.161 VHL 6.258 DLA -25.52 RAL 203.54 RAD 6568.5 VEL 12.670 PTH 2.30 VHP 9.354 DPA -.10 RAP 183.84 ECC 1.6445
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 32 28 1422.63 4.25 355.58 77.96 118.02 12 56 11 822.6 7.97 348.87
 90.00 16 13 1 695.39 23.86 311.39 86.02 105.72 16 24 37 95.4 25.79 303.25
 100.00 13 28 59 1240.13 1.77 340.80 76.59 119.84 13 49 39 640.1 5.73 334.25
 100.00 17 59 11 5641.16 26.60 264.92 86.83 104.17 19 33 12 5041.2 28.28 256.52
 110.00 13 51 26 1169.71 -3.47 332.20 73.32 124.03 14 10 56 569.7 1.02 325.99
 110.00 19 53 14 5284.35 32.63 239.36 88.37 100.80 21 21 18 4684.3 33.78 230.31

DIFFERENTIAL CORRECTIONS

TDE-3.4056 TRA 5.1079 TC3-1.7482 BAU .9157
 RDE .4331 RRA .0811 RC3 -.0328 FAU .01187
 FDE-1.2748 FRA 2.0953 FC3 -.2624 BSP 20920
 BDE 3.4330 BRA 5.1085 BC3 1.7489 FSP -726

MID-COURSE EXECUTION ACCURACY

SGT 6431.4 SGR 410.4 SG3 211.4
 RRT -.2521 RRF -.2651 RTF .9768
 SGB 6444.5 R23 .0185 R13 -.9768
 SG1 6432.3 SG2 397.0 THA 179.07

ORBIT DETERMINATION ACCURACY

ST 3484.8 SR 397.3 SS 1074.9
 CRT -.8652 CRS .8460 CST -.9992
 LSA 3662.7 MSA 203.0 SSA 13.0
 EL1 3501.7 EL2 198.2 ALF 174.35

LAUNCH DATE MAY 31 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 610.637

RL 151.67 LAL .00 LOL 248.88 VL 26.191 GAL 11.96 AZL 93.54 MCA 291.52 SMA 124.72 ECC .29607 INC 3.5399 V1 29.375
 RP 107.73 LAP 3.29 LOP 180.43 VP 37.414 GAP 15.39 AZP 91.30 TAL 147.53 TAP 79.05 RCA 87.79 APO 161.65 V2 35.178
 RC 162.878 GL -13.88 GP -1.76 ZAL 38.62 ZAP 174.47 ETS 340.40 ZAE 123.21 ETE 181.66 ZAC 80.50 ETC 13.62 CLP-174.75

PLANETOCENTRIC CONIC

C3 43.517 VHL 6.597 DLA -25.30 RAL 205.04 RAD 6568.7 VEL 12.841 PTH 2.34 VHP 9.792 DPA -.92 RAP 185.76 ECC 1.7162
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 34 18 1463.44 2.95 357.86 80.88 118.18 12 58 41 863.4 6.69 351.19
 90.00 16 23 10 707.80 23.63 312.22 89.45 106.08 16 34 58 107.8 25.61 304.11
 100.00 13 31 43 1278.07 .49 342.88 79.51 119.89 13 53 1 678.1 4.46 336.35
 100.00 18 8 27 5656.44 26.34 265.98 90.28 104.67 19 42 43 5056.4 28.10 257.62
 110.00 13 55 15 1204.24 -4.79 334.01 76.23 123.89 14 15 19 604.2 -.30 327.79
 110.00 20 1 24 5303.04 32.38 240.76 91.89 101.59 21 29 47 4703.0 33.64 231.75

DIFFERENTIAL CORRECTIONS

TDE-3.5099 TRA 5.5069 TC3-1.5390 BAU .8957
 RDE .4603 RRA .0653 RC3 -.0434 FAU .00979
 FDE-1.2397 FRA 2.1225 FC3 -.1947 BSP 20929
 BDE 3.5400 BRA 5.5073 BC3 1.5396 FSP -686

MID-COURSE EXECUTION ACCURACY

SGT 6434.7 SGR 408.7 SG3 200.5
 RRT -.2930 RRF -.3036 RTF .9774
 SGB 6447.7 R23 .0168 R13 -.9774
 SG1 6435.8 SG2 390.7 THA 178.93

ORBIT DETERMINATION ACCURACY

ST 3437.5 SR 400.2 SS 1047.8
 CRT -.8641 CRS .8452 CST -.9993
 LSA 3610.0 MSA 204.8 SSA 12.7
 EL1 3454.9 EL2 200.4 ALF 174.24

LAUNCH DATE MAY 31 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 615.497

RL 151.67 LAL .00 LOL 248.88 VL 26.161 GAL 12.84 AZL 93.57 MCA 294.75 SMA 124.54 ECC .30741 INC 3.5695 V1 29.375
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.384 GAP 16.19 AZP 91.50 TAL 146.55 TAP 81.30 RCA 86.25 APO 162.82 V2 35.167
 RC 164.869 GL -13.18 GP -1.71 ZAL 37.35 ZAP 175.56 ETS 336.15 ZAE 122.90 ETE 181.58 ZAC 78.48 ETC 13.66 CLP-175.90

PLANETOCENTRIC CONIC

C3 48.539 VHL 6.967 DLA -25.06 RAL 206.47 RAD 6568.8 VEL 13.035 PTH 2.38 VHP 10.267 DPA -1.74 RAP 187.68 ECC 1.7988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 35 32 1506.11 1.57 .25 83.75 118.28 13 0 38 906.1 5.34 353.59
 90.00 16 33 19 719.95 23.40 313.04 92.86 106.42 16 45 19 119.9 25.42 304.96
 100.00 13 33 51 1317.81 -.86 345.06 82.40 119.88 13 55 49 717.8 3.12 338.54
 100.00 18 17 41 5671.52 26.07 267.02 93.70 105.16 19 52 12 5071.5 27.90 258.70
 110.00 13 58 33 1240.37 -6.15 335.91 79.11 123.69 14 19 13 640.4 -1.69 329.68
 110.00 20 9 29 5321.72 32.12 242.15 95.39 102.38 21 38 11 4721.7 33.49 233.19

DIFFERENTIAL CORRECTIONS

TDE-3.6243 TRA 5.9309 TC3-1.3436 BAU .8722
 RDE .4880 RRA .0471 RC3 -.0354 FAU .00785
 FDE-1.2105 FRA 2.1523 FC3 -.1400 BSP 21000
 BDE 3.6570 BRA 5.9311 BC3 1.3440 FSP -652

MID-COURSE EXECUTION ACCURACY

SGT 6432.7 SGR 406.6 SG3 190.2
 RRT -.3340 RRF -.3422 RTF .9782
 SGB 6445.5 R23 .0152 R13 -.9782
 SG1 6434.1 SG2 383.2 THA 178.79

ORBIT DETERMINATION ACCURACY

ST 3390.6 SR 401.5 SS 1024.8
 CRT -.8633 CRS .8450 CST -.9993
 LSA 3558.8 MSA 205.6 SSA 12.3
 EL1 3408.4 EL2 201.6 ALF 174.14

LAUNCH DATE JUN 1 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 10 1967

HELIOCENTRIC CONIC

DISTANCE 147.672

RL 151.69 LAL .00 LOL 249.83 VL 20.120 GAL 7.88 AZL 93.10 MCA 54.56 SMA 98.68 ECC .54960 INC 3.0965 V1 29.371
 RP 108.94 LAP -2.52 LOP 304.35 VP 33.039 GAP -32.86 AZP 91.80 TAL 173.43 TAP 227.99 RCA 44.44 APO 152.91 V2 34.786
 RC 51.183 GL -6.28 GP .68 ZAL 75.35 ZAP 21.41 ETS 182.94 ZAE 159.68 ETE 153.08 ZAC 118.41 ETC 17.81 CLP 21.39

PLANETOCENTRIC CONIC

C3 97.016 VHL 9.850 DLA -3.61 RAL 172.53 RAD 6569.9 VEL 14.777 PTH 2.67 VHP 19.285 DPA 16.57 RAP 149.37 ECC 2.5966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 53 2486.50 -25.10 59.47 59.65 103.55 7 24 20 1886.5 -22.99 51.43
 90.00 17 47 20 5354.37 27.72 244.26 62.99 83.96 19 16 35 4754.4 26.59 235.78
 100.00 8 2 33 2229.55 -26.56 40.17 59.25 104.24 8 39 42 1629.5 -24.34 32.07
 100.00 19 10 22 5086.56 29.21 224.38 62.80 83.35 20 35 9 4486.6 27.98 215.79
 110.00 9 6 55 2028.01 -30.51 23.65 58.03 106.23 9 40 43 1428.0 -27.98 15.37
 110.00 20 22 29 4860.86 33.26 206.62 62.18 81.62 21 43 30 4260.9 31.75 197.72

DIFFERENTIAL CORRECTIONS

TDE .5236 TRA-1.2444 TC3 -.0805 BAU .1160
 RDE -.6742 RRA -.3380 RC3 .0388 FAU .01552
 FDE -.3191 FRA .5043 FC3 -.1385 BSP 2117
 BDE .8536 BRA 1.2894 BC3 .0894 FSP -80

MID-COURSE EXECUTION ACCURACY

SGT 802.5 SGR 445.5 SG3 38.2
 RRT .0316 RRF -.0303 RTF -.6384
 SGB 917.8 R23 -.0011 R13 -.6385
 SG1 802.7 SG2 445.1 THA 1.45

ORBIT DETERMINATION ACCURACY

ST 374.3 SR 396.6 SS 342.7
 CRT -.7180 CRS -.8283 CST .9830
 LSA 607.2 MSA 214.4 SSA 14.0
 EL1 505.6 EL2 204.4 ALF 132.70

LAUNCH DATE JUN 1 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 153.939

RL 151.69 LAL .00 LOL 249.83 VL 20.675 GAL 7.55 AZL 93.13 MCA 57.72 SMA 100.36 ECC .52375 INC 3.1275 V1 29.371
 RP 108.94 LAP -2.64 LOP 307.52 VP 33.378 GAP -31.24 AZP 91.67 TAL 173.02 TAP 230.74 RCA 47.80 APO 152.93 V2 34.784
 RC 49.723 GL -6.90 GP .71 ZAL 74.73 ZAP 19.84 ETS 183.08 ZAE 161.01 ETE 149.30 ZAC 116.87 ETC 17.47 CLP 19.83

PLANETOCENTRIC CONIC

C3 86.539 VHL 9.303 DLA -4.44 RAL 172.87 RAD 6569.7 VEL 14.418 PTH 2.62 VHP 18.419 DPA 16.07 RAP 150.95 ECC 2.4242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 26 2435.47 -24.24 55.98 57.84 105.10 7 31 2 1835.5 -21.94 48.07
 90.00 17 42 27 5355.12 27.72 244.32 61.82 83.98 19 11 42 4755.1 26.60 235.83
 100.00 8 9 42 2179.79 -25.68 36.74 57.40 105.85 8 46 2 1579.8 -23.26 28.77
 100.00 19 5 52 5086.04 29.21 224.34 61.64 83.33 20 30 38 4486.0 27.98 215.75
 110.00 9 13 10 1981.08 -29.57 20.32 56.07 108.00 9 46 11 1381.1 -26.82 12.21
 110.00 20 18 53 4857.51 33.23 206.36 61.01 81.47 21 39 51 4257.5 31.69 197.47

DIFFERENTIAL CORRECTIONS

TDE .5234 TRA-1.2316 TC3 -.0781 BAU .1040
 RDE -.6407 RRA -.3217 RC3 .0445 FAU .01596
 FDE -.3355 FRA .5186 FC3 -.1597 BSP 2268
 BDE .8273 BRA 1.2729 BC3 .0899 FSP -90

MID-COURSE EXECUTION ACCURACY

SGT 839.0 SGR 449.5 SG3 41.8
 RRT .0317 RRF -.0310 RTF -.6589
 SGB 951.8 R23 -.0018 R13 -.6589
 SG1 839.1 SG2 449.2 THA 1.36

ORBIT DETERMINATION ACCURACY

ST 395.0 SR 399.1 SS 362.9
 CRT -.7207 CRS -.8326 CST .9825
 LSA 631.8 MSA 218.2 SSA 14.2
 EL1 520.9 EL2 209.8 ALF 134.59

LAUNCH DATE JUN 1 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 160.268

RL 151.69 LAL .00 LOL 249.83 VL 21.190 GAL 7.21 AZL 93.16 MCA 60.88 SMA 102.03 ECC .49896 INC 3.1564 V1 29.371
 RP 108.94 LAP -2.76 LOP 310.68 VP 33.699 GAP -29.70 AZP 91.54 TAL 172.64 TAP 233.52 RCA 51.12 APO 152.94 V2 34.784
 RC 48.377 GL -7.57 GP .74 ZAL 74.21 ZAP 18.28 ETS 183.25 ZAE 162.39 ETE 144.69 ZAC 115.33 ETC 17.16 CLP 18.27

PLANETOCENTRIC CONIC

C3 77.262 VHL 8.790 DLA -5.26 RAL 173.10 RAD 6569.5 VEL 14.093 PTH 2.57 VHP 17.587 DPA 15.56 RAP 152.53 ECC 2.2715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 37 2383.77 -23.28 52.49 55.94 106.59 7 37 21 1783.8 -20.79 44.71
 90.00 17 37 9 5355.23 27.72 244.32 60.51 83.99 19 6 25 4755.2 26.60 235.84
 100.00 8 16 29 2129.37 -24.70 33.31 55.46 107.39 8 51 58 1529.4 -22.09 25.49
 100.00 19 0 59 5084.86 29.20 224.25 60.32 83.29 20 25 44 4484.9 27.96 215.67
 110.00 9 19 3 1933.52 -28.52 17.02 54.03 109.70 9 51 16 1333.5 -25.57 9.08
 110.00 20 14 55 4853.48 33.19 206.06 59.69 81.30 21 35 48 4253.5 31.63 197.18

DIFFERENTIAL CORRECTIONS

TDE .5214 TRA-1.2200 TC3 -.0749 BAU .0935
 RDE -.6080 RRA -.3056 RC3 .0509 FAU .01643
 FDE -.3525 FRA .5329 FC3 -.1841 BSP 2370
 BDE .8010 BRA 1.2577 BC3 .0905 FSP -100

MID-COURSE EXECUTION ACCURACY

SGT 877.9 SGR 452.9 SG3 45.7
 RRT .0334 RRF -.0320 RTF -.6770
 SGB 987.8 R23 -.0012 R13 -.6771
 SG1 878.0 SG2 452.5 THA 1.34

ORBIT DETERMINATION ACCURACY

ST 415.9 SR 400.9 SS 384.0
 CRT -.7219 CRS -.8369 CST .9815
 LSA 657.0 MSA 221.8 SSA 14.5
 EL1 536.0 EL2 215.2 ALF 136.46

LAUNCH DATE JUN 1 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 166.654

RL 151.69 LAL .00 LOL 249.83 VL 21.669 GAL 6.86 AZL 93.18 MCA 64.04 SMA 103.67 ECC .47524 INC 3.1835 V1 29.371
 RP 108.94 LAP -2.86 LOP 313.84 VP 34.003 GAP -28.24 AZP 91.39 TAL 172.30 TAP 236.35 RCA 54.40 APO 152.93 V2 34.784
 RC 47.155 GL -8.27 GP .77 ZAL 73.79 ZAP 16.74 ETS 183.48 ZAE 163.77 ETE 138.99 ZAC 113.77 ETC 16.85 CLP 16.72

PLANETOCENTRIC CONIC

C3 69.042 VHL 8.309 DLA -6.08 RAL 173.24 RAD 6569.3 VEL 13.798 PTH 2.52 VHP 16.787 DPA 15.04 RAP 154.11 ECC 2.1363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 26 2331.50 -22.22 49.03 53.96 108.01 7 43 18 1731.5 -19.55 41.37
 90.00 17 31 27 5354.83 27.72 244.30 59.04 83.97 19 0 42 4754.8 26.60 235.81
 100.00 8 22 54 2078.40 -23.62 29.91 53.46 108.87 8 57 32 1478.4 -20.83 22.23
 100.00 18 55 41 5083.15 29.18 224.13 58.86 83.22 20 20 24 4483.2 27.94 215.55
 110.00 9 24 32 1885.42 -27.37 13.75 51.94 111.32 9 55 57 1285.4 -24.23 5.99
 110.00 20 10 32 4848.90 33.14 205.71 58.22 81.10 21 31 21 4248.9 31.56 196.84

DIFFERENTIAL CORRECTIONS

TDE .5220 TRA-1.2055 TC3 -.0682 BAU .0826
 RDE -.5761 RRA -.2896 RC3 .0580 FAU .01696
 FDE -.3710 FRA .5469 FC3 -.2127 BSP 2524
 BDE .7774 BRA 1.2398 BC3 .0895 FSP -111

MID-COURSE EXECUTION ACCURACY

SGT 917.2 SGR 455.5 SG3 50.0
 RRT .0335 RRF -.0327 RTF -.6960
 SGB 1024.1 R23 -.0017 R13 -.6960
 SG1 917.4 SG2 455.1 THA 1.26

ORBIT DETERMINATION ACCURACY

ST 438.7 SR 401.8 SS 406.4
 CRT -.7255 CRS -.8415 CST .9810
 LSA 684.5 MSA 224.4 SSA 14.7
 EL1 553.0 EL2 219.4 ALF 138.45

LAUNCH DATE JUN 1 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 173.093

RL 151.69 LAL .00 LOL 249.83 VL 22.114 GAL 6.51 AZL 93.21 MCA 67.20 SMA 105.27 ECC .45261 INC 3.2093 V1 29.371
 RP 108.94 LAP -2.96 LOP 317.01 VP 34.289 GAP -26.84 AZP 91.24 TAL 172.01 TAP 239.21 RCA 57.62 APO 152.91 V2 34.785
 RC 46.068 GL -9.01 GP .80 ZAL 73.46 ZAP 15.19 ETS 183.79 ZAE 165.08 ETE 131.92 ZAC 112.21 ETC 16.57 CLP 15.17

PLANETOCENTRIC CONIC

C3 61.759 VML 7.859 DLA -6.90 RAL 173.28 RAD 6569.2 VEL 13.532 PTH 2.47 VHP 16.018 DPA 14.52 RAP 155.69 ECC 2.0164
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 53 2278.77 -21.07 45.59 51.92 109.36 7 48 52 1678.8 -18.24 38.06
 90.00 17 25 18 5354.10 27.71 244.24 57.45 83.95 18 54 32 4754.1 26.59 235.76
 100.00 8 28 56 2026.99 -22.45 26.54 51.39 110.28 9 2 43 1427.0 -19.48 19.00
 100.00 18 49 56 5081.10 29.17 223.98 57.26 83.14 20 14 37 4481.1 27.91 215.40
 110.00 9 29 38 1836.93 -26.13 10.52 49.79 112.87 10 0 15 1236.9 -22.80 2.94
 110.00 20 5 43 4843.93 33.09 205.33 56.62 80.88 21 26 27 4243.9 31.47 196.48

DIFFERENTIAL CORRECTIONS

TDE .5233 TRA-1.1896 TC3 -.0586 BAU .0728
 RDE -.5451 RRA -.2739 RC3 .0658 FAU .01756
 FDE -.3908 FRA .5605 FC3 -.2461 BSP 2686
 BDE .7556 BRA 1.2208 BC3 .0881 FSP -124

MID-COURSE EXECUTION ACCURACY

SGT 957.8 SGR 457.3 SG3 54.7
 RRT .0334 RRF -.0332 RTF -.7141
 SGB 1061.3 R23 -.0024 R13 -.7142
 SG1 957.9 SG2 456.9 THA 1.18

ORBIT DETERMINATION ACCURACY

ST 462.9 SR 402.0 SS 430.1
 CRT -.7299 CRS -.8465 CST .9805
 LSA 713.7 MSA 226.1 SSA 15.0
 EL1 571.2 EL2 222.7 ALF 140.49

LAUNCH DATE JUN 1 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 179.579

RL 151.69 LAL .00 LOL 249.83 VL 22.527 GAL 6.15 AZL 93.23 MCA 70.37 SMA 106.83 ECC .43107 INC 3.2339 V1 29.371
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.559 GAP -25.51 AZP 91.09 TAL 171.76 TAP 242.12 RCA 60.78 APO 152.88 V2 34.787
 RC 45.125 GL -9.78 GP .84 ZAL 73.23 ZAP 13.65 ETS 184.20 ZAE 166.23 ETE 123.21 ZAC 110.64 ETC 16.29 CLP 13.63

PLANETOCENTRIC CONIC

C3 55.307 VML 7.437 DLA -7.72 RAL 173.21 RAD 6569.0 VEL 13.292 PTH 2.43 VHP 15.278 DPA 13.98 RAP 157.26 ECC 1.9102
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 57 2225.70 -19.84 42.19 49.82 110.63 7 54 3 1625.7 -16.85 34.78
 90.00 17 18 41 5353.22 27.71 244.18 55.72 83.92 18 47 54 4753.2 26.58 235.70
 100.00 8 34 35 1975.27 -21.19 23.22 49.26 111.59 9 7 30 1375.3 -18.07 15.81
 100.00 18 43 44 5078.88 29.15 223.82 55.54 83.06 20 8 23 4478.9 27.88 215.25
 110.00 9 34 20 1788.17 -24.80 7.36 47.60 114.32 10 4 8 1188.2 -21.31 359.95
 110.00 20 0 28 4838.75 33.03 204.94 54.89 80.65 21 21 7 4238.8 31.39 196.10

DIFFERENTIAL CORRECTIONS

TDE .5250 TRA-1.1725 TC3 -.0456 BAU .0646
 RDE -.5149 RRA -.2585 RC3 .0745 FAU .01822
 FDE -.4122 FRA .5739 FC3 -.2852 BSP 2851
 BDE .7354 BRA 1.2007 BC3 .0873 FSP -138

MID-COURSE EXECUTION ACCURACY

SGT 999.6 SGR 458.3 SG3 59.8
 RRT .0333 RRF -.0338 RTF -.7314
 SGB 1099.7 R23 -.0030 R13 -.7315
 SG1 999.8 SG2 458.0 THA 1.11

ORBIT DETERMINATION ACCURACY

ST 488.3 SR 401.2 SS 455.2
 CRT -.7349 CRS -.8517 CST .9801
 LSA 744.9 MSA 227.1 SSA 15.2
 EL1 590.6 EL2 225.0 ALF 142.53

LAUNCH DATE JUN 1 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 186.107

RL 151.69 LAL .00 LOL 249.83 VL 22.911 GAL 5.80 AZL 93.26 MCA 73.53 SMA 108.35 ECC .41060 INC 3.2576 V1 29.371
 RP 108.93 LAP -3.12 LOP 323.34 VP 34.813 GAP -24.24 AZP 90.92 TAL 171.56 TAP 245.08 RCA 63.86 APO 152.84 V2 34.790
 RC 44.335 GL -10.60 GP .88 ZAL 73.11 ZAP 12.11 ETS 184.76 ZAE 167.09 ETE 112.73 ZAC 109.08 ETC 16.03 CLP 12.08

PLANETOCENTRIC CONIC

C3 49.592 VML 7.042 DLA -8.54 RAL 173.04 RAD 6568.8 VEL 13.075 PTH 2.39 VHP 14.567 DPA 13.44 RAP 158.82 ECC 1.8162
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 39 2172.43 -18.52 38.83 47.67 111.81 7 58 52 1572.4 -15.40 31.55
 90.00 17 11 36 5352.38 27.70 244.12 53.88 83.89 18 40 48 4752.4 26.57 235.64
 100.00 8 39 51 1923.39 -19.85 19.94 47.09 112.82 9 11 54 1323.4 -16.59 12.67
 100.00 18 37 5 5076.66 29.13 223.65 53.69 82.98 20 1 42 4476.7 27.85 215.08
 110.00 9 38 39 1739.29 -23.39 4.26 45.38 115.67 10 7 38 1139.3 -19.75 357.02
 110.00 19 54 47 4833.52 32.97 204.54 53.04 80.42 21 15 20 4233.5 31.30 195.71

DIFFERENTIAL CORRECTIONS

TDE .5275 TRA-1.1540 TC3 -.0285 BAU .0588
 RDE -.4856 RRA -.2434 RC3 .0840 FAU .01895
 FDE -.4353 FRA .5871 FC3 -.3308 BSP 3023
 BDE .7170 BRA 1.1794 BC3 .0887 FSP -154

MID-COURSE EXECUTION ACCURACY

SGT 1042.7 SGR 458.5 SG3 65.6
 RRT .0331 RRF -.0343 RTF -.7481
 SGB 1139.1 R23 -.0036 R13 -.7482
 SG1 1042.9 SG2 458.2 THA 1.03

ORBIT DETERMINATION ACCURACY

ST 515.1 SR 399.6 SS 481.9
 CRT -.7406 CRS -.8571 CST .9798
 LSA 778.1 MSA 227.3 SSA 15.4
 EL1 611.4 EL2 226.2 ALF 144.55

LAUNCH DATE JUN 1 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 192.674

RL 151.69 LAL .00 LOL 249.83 VL 23.267 GAL 5.45 AZL 93.28 MCA 76.69 SMA 109.83 ECC .39121 INC 3.2804 V1 29.371
 RP 108.92 LAP -3.19 LOP 326.50 VP 35.051 GAP -23.02 AZP 90.76 TAL 171.40 TAP 248.09 RCA 66.86 APO 152.79 V2 34.793
 RC 43.707 GL -11.46 GP .93 ZAL 73.09 ZAP 10.56 ETS 185.52 ZAE 167.53 ETE 100.77 ZAC 107.52 ETC 15.79 CLP 10.52

PLANETOCENTRIC CONIC

C3 44.532 VML 6.673 DLA -9.35 RAL 172.75 RAD 6568.7 VEL 12.880 PTH 2.35 VHP 13.882 DPA 12.90 RAP 160.38 ECC 1.7329
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 59 2119.12 -17.14 35.53 45.48 112.89 8 3 18 1519.1 -13.90 28.35
 90.00 17 4 1 5351.77 27.70 244.07 51.93 83.86 18 33 12 4751.8 26.56 235.59
 100.00 8 44 44 1871.48 -18.45 16.72 44.88 113.94 9 15 56 1271.5 -15.06 9.57
 100.00 18 29 56 5074.63 29.11 223.51 51.75 82.90 19 54 31 4474.6 27.83 214.94
 110.00 9 42 33 1690.45 -21.92 1.23 43.13 116.91 10 10 44 1090.5 -18.13 354.14
 110.00 19 48 37 4828.43 32.91 204.15 51.09 80.20 21 9 5 4228.4 31.21 195.34

DIFFERENTIAL CORRECTIONS

TDE .5283 TRA-1.1365 TC3 -.0090 BAU .0564
 RDE -.4572 RRA -.2288 RC3 .0944 FAU .01974
 FDE -.4600 FRA .6005 FC3 -.3838 BSP 3139
 BDE .6987 BRA 1.1593 BC3 .0948 FSP -171

MID-COURSE EXECUTION ACCURACY

SGT 1088.1 SGR 457.8 SG3 71.8
 RRT .0347 RRF -.0354 RTF -.7624
 SGB 1180.5 R23 -.0032 R13 -.7624
 SG1 1088.2 SG2 457.5 THA 1.02

ORBIT DETERMINATION ACCURACY

ST 542.0 SR 397.1 SS 510.0
 CRT -.7450 CRS -.8625 CST .9791
 LSA 812.2 MSA 227.4 SSA 15.7
 EL1 632.4 EL2 227.0 ALF 146.49

LAUNCH DATE JUN 1 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 199.273

RL 151.69 LAL .00 LOL 249.83 VL 23.598 GAL 5.11 AZL 93.30 MCA 79.85 SMA 111.25 ECC .37286 INC 3.3027 V1 29.371
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.275 GAP -21.86 AZP 90.58 TAL 171.30 TAP 251.15 RCA 69.77 APO 152.73 V2 34.797
 RC 43.245 GL -12.35 GP .97 ZAL 73.17 ZAP 9.01 ETS 186.82 ZAE 167.44 ETE 88.13 ZAC 105.96 ETC 15.56 CLP 8.96

PLANETOCENTRIC CONIC

C3 40.055 VHL 6.329 OLA -10.16 RAL 172.36 RAD 6568.5 VEL 12.705 PTH 2.31 VHP 13.222 DPA 12.35 RAP 161.92 ECC 1.6592
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 56 2065.92 -15.71 32.28 43.25 113.87 8 7 22 1465.9 -12.35 25.21
 90.00 16 55 55 5351.55 27.70 244.06 49.89 83.86 18 25 7 4751.5 26.56 235.58
 100.00 8 49 14 1819.73 -16.99 13.57 42.64 114.97 9 19 34 1219.7 -13.49 6.54
 100.00 18 22 18 5072.96 29.10 223.38 49.70 82.84 19 46 51 4473.0 27.80 214.82
 110.00 9 46 3 1641.83 -20.39 358.28 40.85 118.05 10 13 25 1041.8 -16.48 351.34
 110.00 19 41 58 4823.63 32.86 203.79 49.04 79.99 21 2 22 4223.6 31.13 194.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5323 TRA-1.1151 TC3 .0176 BAU .0573 SGT 1133.4 SGR 456.4 SG3 78.8 ST 571.7 SR 393.7 SS 540.4
 RDE -.4299 RRA -.2146 RC3 .1056 FAU .02065 RRT .0345 RRF -.0360 RTF -.7774 CRT -.7522 CRS -.8684 CST .9790
 FDE -.4877 FRA .6130 FC3 -.4463 BSP 3318 SGB 1221.8 R23 -.0040 R13 -.7774 LSA 850.1 MSA 225.9 SSA 15.9
 BDE .6842 BRA 1.1356 BC3 .1071 FSP -190 SG1 1133.5 SG2 456.0 THA .95 EL1 656.3 EL2 225.9 ALF 148.46

LAUNCH DATE JUN 1 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 205.901

RL 151.69 LAL .00 LOL 249.83 VL 23.904 GAL 4.77 AZL 93.32 MCA 83.02 SMA 112.63 ECC .35555 INC 3.3246 V1 29.371
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.485 GAP -20.74 AZP 90.40 TAL 171.24 TAP 254.26 RCA 72.58 APO 152.67 V2 34.801
 RC 42.956 GL -13.29 GP 1.03 ZAL 73.36 ZAP 7.45 ETS 188.26 ZAE 166.81 ETE 75.97 ZAC 104.41 ETC 15.34 CLP 7.38

PLANETOCENTRIC CONIC

C3 36.098 VHL 6.008 OLA -10.97 RAL 171.86 RAD 6568.4 VEL 12.549 PTH 2.27 VHP 12.587 DPA 11.81 RAP 163.45 ECC 1.5941
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 30 2013.00 -14.22 29.11 41.00 114.75 8 11 3 1413.0 -10.77 22.13
 90.00 16 47 19 5351.90 27.70 244.08 47.76 83.87 18 16 31 4751.9 26.56 235.60
 100.00 8 53 21 1768.30 -15.49 10.50 40.38 115.89 9 22 49 1168.3 -11.88 3.56
 100.00 18 14 9 5071.82 29.09 223.30 47.57 82.80 19 38 41 4471.8 27.79 214.74
 110.00 9 49 8 1593.60 -18.82 355.43 38.57 119.07 10 15 42 993.6 -14.80 348.62
 110.00 19 34 52 4819.28 32.81 203.46 46.91 79.81 20 55 11 4219.3 31.05 194.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5363 TRA-1.0931 TC3 .0494 BAU .0616 SGT 1180.0 SGR 454.0 SG3 86.5 ST 602.5 SR 389.2 SS 572.7
 RDE -.4035 RRA -.2008 RC3 .1177 FAU .02165 RRT .0350 RRF -.0371 RTF -.7913 CRT -.7596 CRS -.8743 CST .9789
 FDE -.5177 FRA .6257 FC3 -.5192 BSP 3482 SGB 1264.4 R23 -.0046 R13 -.7913 LSA 890.0 MSA 224.0 SSA 16.1
 BDE .6711 BRA 1.1114 BC3 .1277 FSP -212 SG1 1180.2 SG2 453.7 THA .91 EL1 681.5 EL2 223.8 ALF 150.35

LAUNCH DATE JUN 1 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 212.553

RL 151.69 LAL .00 LOL 249.83 VL 24.188 GAL 4.44 AZL 93.35 MCA 86.18 SMA 113.95 ECC .33926 INC 3.3462 V1 29.371
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.682 GAP -19.67 AZP 90.22 TAL 171.24 TAP 257.42 RCA 75.29 APO 152.60 V2 34.806
 RC 42.841 GL -14.27 GP 1.09 ZAL 73.66 ZAP 5.89 ETS 190.90 ZAE 165.70 ETE 65.20 ZAC 102.88 ETC 15.13 CLP 5.79

PLANETOCENTRIC CONIC

C3 32.603 VHL 5.710 OLA -11.77 RAL 171.24 RAD 6568.3 VEL 12.409 PTH 2.24 VHP 11.976 DPA 11.27 RAP 164.95 ECC 1.5366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 42 1960.53 -12.70 26.00 38.73 115.52 8 14 23 1360.5 -9.17 19.11
 90.00 16 38 12 5352.97 27.71 244.16 45.55 83.91 18 7 25 4753.0 26.57 235.68
 100.00 8 57 4 1717.37 -13.95 7.49 38.10 116.71 9 25 42 1117.4 -10.26 .65
 100.00 18 5 31 5071.36 29.09 223.27 45.37 82.78 19 30 2 4471.4 27.78 214.71
 110.00 9 51 48 1545.96 -17.22 352.66 36.27 119.99 10 17 34 946.0 -13.11 345.97
 110.00 19 27 16 4815.54 32.76 203.18 44.71 79.64 20 47 32 4215.5 30.99 194.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5416 TRA-1.0691 TC3 .0879 BAU .0686 SGT 1227.3 SGR 450.8 SG3 95.0 ST 635.2 SR 383.8 SS 607.5
 RDE -.3781 RRA -.1876 RC3 .1307 FAU .02277 RRT .0353 RRF -.0382 RTF -.8046 CRT -.7680 CRS -.8805 CST .9790
 FDE -.5511 FRA .6379 FC3 -.6047 BSP 3661 SGB 1307.5 R23 -.0054 R13 -.8047 LSA 933.1 MSA 221.1 SSA 16.3
 BDE .6605 BRA 1.0854 BC3 .1575 FSP -236 SG1 1227.4 SG2 450.5 THA .86 EL1 708.7 EL2 220.3 ALF 152.18

LAUNCH DATE JUN 1 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 219.225

RL 151.69 LAL .00 LOL 249.83 VL 24.451 GAL 4.13 AZL 93.37 MCA 89.35 SMA 115.21 ECC .32395 INC 3.3676 V1 29.371
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.867 GAP -18.65 AZP 90.04 TAL 171.29 TAP 260.64 RCA 77.89 APO 152.53 V2 34.812
 RC 42.900 GL -15.29 GP 1.16 ZAL 74.07 ZAP 4.33 ETS 195.65 ZAE 164.22 ETE 56.19 ZAC 101.36 ETC 14.94 CLP 4.17

PLANETOCENTRIC CONIC

C3 29.521 VHL 5.433 OLA -12.57 RAL 170.51 RAD 6568.2 VEL 12.284 PTH 2.21 VHP 11.387 DPA 10.74 RAP 166.44 ECC 1.4858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 31 1908.69 -11.17 22.97 36.44 116.19 8 17 20 1308.7 -7.56 16.15
 90.00 16 28 34 5354.91 27.72 244.30 43.29 83.98 17 57 49 4754.9 26.60 235.81
 100.00 9 0 24 1667.12 -12.39 4.58 35.81 117.42 9 28 11 1067.1 -8.62 357.82
 100.00 17 56 22 5071.71 29.09 223.29 43.11 82.79 19 20 54 4471.7 27.79 214.73
 110.00 9 54 3 1499.07 -15.61 349.98 33.96 120.80 10 19 3 899.1 -11.41 343.40
 110.00 19 19 12 4812.52 32.72 202.95 42.45 79.51 20 39 25 4212.5 30.93 194.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5479 TRA-1.0435 TC3 .1338 BAU .0777 SGT 1275.1 SGR 446.7 SG3 104.6 ST 669.5 SR 377.4 SS 644.9
 RDE -.3538 RRA -.1750 RC3 .1444 FAU .02403 RRT .0358 RRF -.0397 RTF -.8174 CRT -.7771 CRS -.8868 CST .9792
 FDE -.5882 FRA .6498 FC3 -.7048 BSP 3840 SGB 1351.1 R23 -.0063 R13 -.8175 LSA 979.3 MSA 217.4 SSA 16.5
 BDE .6522 BRA 1.0580 BC3 .1969 FSP -264 SG1 1275.3 SG2 446.4 THA .82 EL1 737.7 EL2 215.6 ALF 153.95

LAUNCH DATE JUN 1 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 225.914

RL 151.69 LAL .00 LOL 249.83 VL 24.694 GAL 3.82 AZL 93.39 HCA 92.51 SMA 116.42 ECC .30960 INC 3.3890 V1 29.371
 RP 108.84 LAP -3.39 LOP 342.35 VP 36.039 GAP -17.66 AZP 89.85 TAL 171.39 TAP 263.91 RCA 80.38 APO 152.46 V2 34.819
 RC 43.133 GL -16.34 GP 1.23 ZAL 74.57 ZAP 2.82 ETS 206.01 ZAE 162.49 ETE 48.89 ZAC 99.87 ETC 14.76 CLP 2.53

PLANETOCENTRIC CONIC

C3 26.806 VHL 5.177 DLA -13.36 RAL 169.67 RAD 6568.1 VEL 12.173 PTH 2.18 VHP 10.821 DPA 10.22 RAP 167.90 ECC 1.4412
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 58 1857.66 -9.62 20.02 34.14 116.76 8 19 56 1257.7 -5.95 13.26
 90.00 16 18 26 5357.81 27.74 244.51 40.97 84.08 17 47 44 4757.8 26.63 236.02
 100.00 9 3 20 1617.74 -10.83 1.74 33.50 118.03 9 30 18 1017.7 -7.00 355.05
 100.00 17 46 45 5072.97 29.10 223.38 40.79 82.84 19 11 18 4473.0 27.80 214.82
 110.00 9 55 53 1453.13 -13.99 347.41 31.65 121.51 10 20 7 853.1 -9.72 340.91
 110.00 19 10 41 4810.34 32.70 202.79 40.14 79.42 20 30 51 4210.3 30.89 194.03

DIFFERENTIAL CORRECTIONS

TDE .5550 TRA -1.0171 TC3 .1866 BAU .0878
 RDE -.3305 RRA -.1630 RC3 .1588 FAU .02544
 FDE -.6296 FRA .6616 FC3 -.8216 BSP 4017
 BDE .6459 BRA 1.0301 BC3 .2451 FSP -294

MID-COURSE EXECUTION ACCURACY

SGT 1323.9 SGR 441.8 SG3 115.1
 RRT .0369 RRF -.0417 RTF -.8292
 SGB 1395.7 R23 -.0073 R13 -.8293
 SG1 1324.1 SG2 441.5 THA .79

ORBIT DETERMINATION ACCURACY

ST 705.5 SR 370.0 SS 685.2
 CRT -.7866 CRS -.8931 CST .9795
 LSA 1028.7 MSA 213.3 SSA 16.7
 EL1 768.5 EL2 209.7 ALF 155.65

LAUNCH DATE JUN 1 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 232.614

RL 151.69 LAL .00 LOL 249.83 VL 24.918 GAL 3.52 AZL 93.41 HCA 95.68 SMA 117.57 ECC .29618 INC 3.4105 V1 29.371
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.200 GAP -16.71 AZP 89.66 TAL 171.54 TAP 267.23 RCA 82.75 APO 152.39 V2 34.826
 RC 43.534 GL -17.42 GP 1.31 ZAL 75.18 ZAP 1.57 ETS 236.82 ZAE 160.65 ETE 43.03 ZAC 98.40 ETC 14.59 CLP .86

PLANETOCENTRIC CONIC

C3 24.418 VHL 4.941 DLA -14.13 RAL 168.73 RAD 6568.0 VEL 12.075 PTH 2.16 VHP 10.276 DPA 9.71 RAP 169.33 ECC 1.4019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 52 3 1807.62 -8.07 17.16 31.84 117.23 8 22 10 1207.6 -4.36 10.45
 90.00 16 7 49 5361.78 27.77 244.80 38.61 84.22 17 37 11 4761.8 26.68 236.30
 100.00 9 5 53 1569.39 -9.27 359.00 31.20 118.55 9 32 2 969.4 -5.39 352.37
 100.00 17 36 40 5075.24 29.12 223.55 38.44 82.92 19 1 15 4475.2 27.83 214.98
 110.00 9 57 19 1408.31 -12.38 344.93 29.35 122.12 10 20 47 808.3 -8.05 338.51
 110.00 19 1 44 4809.08 32.68 202.69 37.79 79.37 20 21 53 4209.1 30.87 193.94

DIFFERENTIAL CORRECTIONS

TDE .5623 TRA -.9891 TC3 .2460 BAU .0983
 RDE -.3082 RRA -.1515 RC3 .1739 FAU .02700
 FDE -.6756 FRA .6730 FC3 -.9574 BSP 4189
 BDE .6412 BRA 1.0006 BC3 .3013 FSP -328

MID-COURSE EXECUTION ACCURACY

SGT 1372.1 SGR 436.0 SG3 126.9
 RRT .0385 RRF -.0444 RTF -.8399
 SGB 1439.7 R23 -.0084 R13 -.8400
 SG1 1372.2 SG2 435.6 THA .78

ORBIT DETERMINATION ACCURACY

ST 742.3 SR 361.5 SS 728.2
 CRT -.7963 CRS -.8994 CST .9799
 LSA 1080.8 MSA 208.7 SSA 16.9
 EL1 800.3 EL2 202.8 ALF 157.26

LAUNCH DATE JUN 1 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 239.324

RL 151.69 LAL .00 LOL 249.83 VL 25.126 GAL 3.24 AZL 93.43 HCA 98.85 SMA 118.66 ECC .28366 INC 3.4323 V1 29.371
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.351 GAP -15.79 AZP 89.47 TAL 171.74 TAP 270.60 RCA 85.00 APO 152.32 V2 34.834
 RC 44.099 GL -18.53 GP 1.41 ZAL 75.88 ZAP 1.64 ETS 301.06 ZAE 158.76 ETE 38.33 ZAC 96.97 ETC 14.43 CLP -.85

PLANETOCENTRIC CONIC

C3 22.322 VHL 4.725 DLA -14.90 RAL 167.68 RAD 6567.9 VEL 11.988 PTH 2.14 VHP 9.751 DPA 9.22 RAP 170.72 ECC 1.3674
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 46 1758.74 -6.54 14.39 29.54 117.61 8 24 4 1158.7 -2.79 7.71
 90.00 15 56 46 5366.86 27.80 245.17 36.23 84.40 17 26 13 4766.9 26.74 236.66
 100.00 9 8 3 1522.26 -7.73 356.36 28.90 118.97 9 33 25 922.3 -3.80 349.76
 100.00 17 26 10 5078.56 29.15 223.79 36.06 83.05 18 50 48 4478.6 27.88 215.22
 110.00 9 58 19 1364.80 -10.79 342.56 27.05 122.63 10 21 4 764.8 -6.42 336.20
 110.00 18 52 23 4808.79 32.68 202.67 35.43 79.35 20 12 32 4208.8 30.86 193.92

DIFFERENTIAL CORRECTIONS

TDE .5719 TRA -.9575 TC3 .3154 BAU .1098
 RDE -.2869 RRA -.1407 RC3 .1894 FAU .02878
 FDE -.7275 FRA .6839 FC3 -1.1161 BSP 4399
 BDE .6398 BRA .9678 BC3 .3679 FSP -367

MID-COURSE EXECUTION ACCURACY

SGT 1419.0 SGR 429.3 SG3 140.0
 RRT .0397 RRF -.0478 RTF -.8511
 SGB 1482.5 R23 -.0106 R13 -.8511
 SG1 1419.1 SG2 428.9 THA .76

ORBIT DETERMINATION ACCURACY

ST 781.7 SR 352.0 SS 774.8
 CRT -.8075 CRS -.9057 CST .9807
 LSA 1137.4 MSA 203.0 SSA 17.0
 EL1 834.9 EL2 194.4 ALF 158.81

LAUNCH DATE JUN 1 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 246.039

RL 151.69 LAL .00 LOL 249.83 VL 25.317 GAL 2.97 AZL 93.45 HCA 102.02 SMA 119.69 ECC .27201 INC 3.4544 V1 29.371
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.491 GAP -14.91 AZP 89.28 TAL 171.99 TAP 274.01 RCA 87.13 APO 152.25 V2 34.842
 RC 44.820 GL -19.67 GP 1.51 ZAL 76.67 ZAP 3.01 ETS 329.72 ZAE 156.90 ETE 34.53 ZAC 95.57 ETC 14.28 CLP -2.60

PLANETOCENTRIC CONIC

C3 20.486 VHL 4.926 DLA -15.65 RAL 166.54 RAD 6567.8 VEL 11.911 PTH 2.12 VHP 9.247 DPA 8.75 RAP 172.08 ECC 1.3372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 57 7 1711.18 -5.03 11.70 27.26 117.90 8 25 38 1111.2 -1.26 5.06
 90.00 15 45 19 5373.08 27.84 245.62 33.84 84.62 17 14 52 4773.1 26.81 237.10
 100.00 9 9 51 1476.52 -6.21 353.81 26.61 119.30 9 34 27 876.5 -2.26 347.25
 100.00 17 15 16 5082.97 29.18 224.12 33.67 83.21 18 39 59 4483.0 27.94 215.53
 110.00 9 58 56 1322.76 -9.24 340.29 24.76 123.06 10 20 59 722.8 -4.82 333.99
 110.00 18 42 40 4809.50 32.69 202.72 33.05 79.38 20 2 50 4209.5 30.88 193.97

DIFFERENTIAL CORRECTIONS

TDE .5807 TRA -.9282 TC3 .3919 BAU .1212
 RDE -.2666 RRA -.1305 RC3 .2052 FAU .03077
 FDE -.7859 FRA .6948 FC3 -1.3002 BSP 4552
 BDE .6390 BRA .9373 BC3 .4424 FSP -411

MID-COURSE EXECUTION ACCURACY

SGT 1468.0 SGR 421.7 SG3 154.8
 RRT .0440 RRF -.0525 RTF -.8606
 SGB 1527.4 R23 -.0113 R13 -.8607
 SG1 1468.2 SG2 421.2 THA .79

ORBIT DETERMINATION ACCURACY

ST 821.3 SR 341.4 SS 825.0
 CRT -.8173 CRS -.9118 CST .9812
 LSA 1196.7 MSA 198.0 SSA 17.1
 EL1 869.8 EL2 185.7 ALF 160.30

LAUNCH DATE JUN 1 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 252.756

RL 151.69 LAL .00 LOL 249.83 VL 25.493 GAL 2.71 AZL 93.48 HCA 105.19 SMA 120.66 ECC .26120 INC 3.4771 V1 29.371
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.622 GAP -14.06 AZP 89.09 TAL 172.28 TAP 277.47 RCA 89.15 APO 152.18 V2 34.851
 RC 45.690 GL -20.82 GP 1.63 ZAL 77.54 ZAP 4.70 ETS 339.51 ZAE 155.13 ETE 31.44 ZAC 94.21 ETC 14.14 CLP -4.41

PLANETOCENTRIC CONIC

C3 18.881 VHL 4.345 DLA -16.38 RAL 165.31 RAD 6567.8 VEL 11.843 PTH 2.10 VHP 8.762 DPA 8.31 RAP 173.40 ECC 1.3107
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 8 1665.10 -3.55 9.12 24.98 118.11 8 26 53 1065.1 .23 2.49
 90.00 15 33 30 5380.44 27.89 246.15 31.44 84.89 17 3 10 4780.4 26.89 237.63
 100.00 9 11 17 1432.32 -4.73 351.36 24.33 119.55 9 35 9 832.3 -.76 344.82
 100.00 17 4 3 5088.45 29.23 224.52 31.28 83.42 18 28 51 4488.5 28.01 215.93
 110.00 9 59 9 1282.34 -7.73 338.13 22.49 123.40 10 20 32 682.3 -3.29 331.87
 110.00 18 32 39 4811.20 32.71 202.85 30.67 79.46 19 52 51 4211.2 30.91 194.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .5922 TRA -.8944 TC3 .4790 BAU .1332 SGT 1514.6 SGR 413.3 SG3 171.4 ST 863.7 SR 329.7 SS 879.4
 RDE -.2471 RRA -.1210 RC3 .2213 FAU .03305 RRT .0480 RRF -.0586 RTF -.8706 CRT -.8287 CRS -.9179 CST .9821
 FDE -.8525 FRA .7042 FC3-1.5154 BSP 4772 SGB 1570.0 R23 -.0135 R13 -.8707 LSA 1261.3 MSA 191.9 SSA 17.2
 BDE .6417 BRA .9025 BC3 .5277 FSP -461 SG1 1514.7 SG2 412.8 THA .81 EL1 907.6 EL2 175.6 ALF 161.74

LAUNCH DATE JUN 1 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 259.474

RL 151.69 LAL .00 LOL 249.83 VL 25.655 GAL 2.46 AZL 93.50 HCA 108.37 SMA 121.58 ECC .25119 INC 3.5005 V1 29.371
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.744 GAP -13.24 AZP 88.90 TAL 172.61 TAP 280.98 RCA 91.04 APO 152.12 V2 34.860
 RC 46.700 GL +21.98 GP 1.76 ZAL 78.48 ZAP 6.51 ETS 344.05 ZAE 153.48 ETE 28.92 ZAC 92.91 ETC 14.01 CLP -6.27

PLANETOCENTRIC CONIC

C3 17.482 VHL 4.181 DLA -17.09 RAL 164.01 RAD 6567.7 VEL 11.784 PTH 2.08 VHP 8.297 DPA 7.91 RAP 174.66 ECC 1.2877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 51 1620.64 -2.12 6.63 22.74 118.24 8 27 51 1020.6 1.67 .01
 90.00 15 21 24 5388.94 27.94 246.77 29.06 85.19 16 51 13 4788.9 26.98 238.23
 100.00 9 12 23 1389.80 -3.30 349.01 22.09 119.73 9 35 33 789.8 .68 342.49
 100.00 16 52 33 5095.01 29.28 225.00 28.91 83.67 18 17 28 4495.0 28.09 216.39
 110.00 9 59 2 1243.66 -6.28 336.08 20.24 123.67 10 19 45 643.7 -1.81 329.85
 110.00 18 22 23 4813.91 32.74 203.05 28.31 79.57 19 42 37 4213.9 30.96 194.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6023 TRA -.8619 TC3 .5679 BAU .1439 SGT 1559.9 SGR 404.1 SG3 189.9 ST 904.9 SR 316.8 SS 937.4
 RDE -.2284 RRA -.1122 RC3 .2375 FAU .03557 RRT .0549 RRF -.0671 RTF -.8788 CRT -.8386 CRS -.9235 CST .9828
 FDE -.9270 FRA .7146 FC3-1.7613 BSP 4926 SGB 1611.4 R23 -.0153 R13 -.8789 LSA 1327.7 MSA 186.5 SSA 17.2
 BDE .6441 BRA .8692 BC3 .6155 FSP -517 SG1 1560.1 SG2 403.4 THA .87 EL1 944.3 EL2 165.3 ALF 163.11

LAUNCH DATE JUN 1 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 266.188

RL 151.69 LAL .00 LOL 249.83 VL 25.803 GAL 2.23 AZL 93.52 HCA 111.54 SMA 122.43 ECC .24196 INC 3.5248 V1 29.371
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.857 GAP -12.45 AZP 88.70 TAL 172.97 TAP 284.51 RCA 92.81 APO 152.06 V2 34.870
 RC 47.841 GL -23.14 GP 1.91 ZAL 79.47 ZAP 8.42 ETS 346.57 ZAE 151.99 ETE 26.84 ZAC 91.67 ETC 13.89 CLP -8.20

PLANETOCENTRIC CONIC

C3 16.266 VHL 4.033 DLA -17.77 RAL 162.64 RAD 6567.7 VEL 11.732 PTH 2.07 VHP 7.850 DPA 7.54 RAP 175.88 ECC 1.2677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 16 1577.89 -.75 4.25 20.53 118.31 8 28 34 977.9 3.04 357.62
 90.00 15 9 5 5398.52 27.99 247.46 26.70 85.54 16 39 3 4798.5 27.08 238.92
 100.00 9 13 11 1349.06 -1.92 346.77 19.88 119.84 9 35 40 749.1 2.06 340.25
 100.00 16 40 51 5102.58 29.33 225.55 26.56 83.96 18 5 53 4502.6 28.18 216.94
 110.00 9 58 34 1206.84 -4.88 334.14 18.03 123.87 10 18 41 606.8 -.40 327.93
 110.00 18 11 56 4817.57 32.78 203.33 25.99 79.73 19 32 14 4217.6 31.02 194.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6124 TRA -.8286 TC3 .6615 BAU .1541 SGT 1603.0 SGR 394.1 SG3 210.8 ST 945.8 SR 302.6 SS 999.5
 RDE -.2105 RRA -.1040 RC3 .2536 FAU .03841 RRT .0645 RRF -.0784 RTF -.8863 CRT -.8480 CRS -.9286 CST .9835
 FDE -1.0113 FRA .7245 FC3-2.0442 BSP 5082 SGB 1650.7 R23 -.0176 R13 -.8863 LSA 1397.1 MSA 181.4 SSA 17.1
 BDE .6475 BRA .8351 BC3 .7085 FSP -580 SG1 1603.2 SG2 393.2 THA .97 EL1 981.0 EL2 154.6 ALF 164.42

LAUNCH DATE JUN 1 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 272.897

RL 151.69 LAL .00 LOL 249.83 VL 25.939 GAL 2.01 AZL 93.55 HCA 114.72 SMA 123.23 ECC .23346 INC 3.5502 V1 29.371
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.962 GAP -11.69 AZP 88.51 TAL 173.36 TAP 288.08 RCA 94.46 APO 152.00 V2 34.881
 RC 49.103 GL -24.30 GP 2.08 ZAL 80.51 ZAP 10.41 ETS 348.13 ZAE 150.69 ETE 25.15 ZAC 90.49 ETC 13.78 CLP -10.21

PLANETOCENTRIC CONIC

C3 15.213 VHL 3.900 DLA -18.43 RAL 161.23 RAD 6567.6 VEL 11.687 PTH 2.06 VHP 7.421 DPA 7.22 RAP 177.03 ECC 1.2504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 26 1536.95 .58 1.97 18.37 118.31 8 29 3 937.0 4.36 355.33
 90.00 14 56 36 5409.15 28.05 248.24 24.39 85.92 16 26 45 4809.1 27.19 239.68
 100.00 9 13 42 1310.19 -.60 344.64 17.72 119.89 9 35 32 710.2 3.38 338.12
 100.00 16 29 1 5111.14 29.39 226.18 24.26 84.28 17 54 12 4511.1 28.29 217.55
 110.00 9 57 50 1171.94 -3.56 332.31 15.87 124.02 10 17 21 571.9 .93 326.11
 110.00 18 1 23 4822.15 32.84 203.68 23.70 79.93 19 21 45 4222.2 31.10 194.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .6230 TRA -.7940 TC3 .7587 BAU .1638 SGT 1643.0 SGR 383.4 SG3 234.3 ST 986.9 SR 287.2 SS 1066.6
 RDE -.1931 RRA -.0964 RC3 .2536 FAU .04163 RRT .0770 RRF -.0933 RTF -.8932 CRT -.8571 CRS -.9333 CST .9843
 FDE -1.1077 FRA .7337 FC3-2.3692 BSP 5224 SGB 1687.1 R23 -.0206 R13 -.8933 LSA 1470.6 MSA 176.3 SSA 17.0
 BDE .6522 BRA .7998 BC3 .8052 FSP -651 SG1 1643.3 SG2 382.2 THA 1.09 EL1 1017.8 EL2 143.5 ALF 165.70

LAUNCH DATE JUN 1 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 279.598

RL 151.69 LAL .00 LOL 249.83 VL 26.063 GAL 1.81 AZL 93.58 HCA 117.90 SMA 123.98 ECC .22566 INC 3.5769 V1 29.371
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.059 GAP -10.96 AZP 88.32 TAL 173.78 TAP 291.68 RCA 96.00 APO 151.95 V2 34.891
 RC 50.476 GL -25.45 GP 2.27 ZAL 81.58 ZAP 12.50 ETS 349.14 ZAE 149.58 ETE 23.78 ZAC 89.39 ETC 13.68 CLP -12.30

PLANETOCENTRIC CONIC

C3 14.303 VHL 3.782 DLA -19.07 RAL 159.78 RAD 6567.6 VEL 11.649 PTH 2.04 VHP 7.011 DPA 6.96 RAP 178.10 ECC 1.2354
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 24 1497.85 1.84 359.79 16.27 118.26 8 29 22 897.7 5.60 353.13
 90.00 14 44 3 5420.78 28.10 249.08 22.14 86.34 16 14 23 4820.8 27.30 240.51
 100.00 9 14 1 1273.22 .65 342.61 15.61 119.89 9 35 14 673.2 4.62 336.08
 100.00 16 17 7 5120.65 29.45 226.88 22.02 84.65 17 42 28 4520.6 28.40 218.24
 110.00 9 56 51 1139.01 -2.30 330.59 13.77 124.11 10 15 50 539.0 2.19 324.39
 110.00 17 50 47 4827.63 32.90 204.09 21.48 80.17 19 11 14 4227.6 31.20 195.28

DIFFERENTIAL CORRECTIONS

TDE .6324 TRA -3.7598 TC3 .8545 BAU .1723
 RDE -.1761 RRA -.0895 RC3 .2858 FAU .04523
 FDE-1.2167 FRA .7434 FC3-2.7376 BSP 5344
 BDE .6565 BRA .7651 BC3 .9011 FSP -731

MID-COURSE EXECUTION ACCURACY

SGT 1679.0 SGR 372.1 SG3 260.7
 RRT .0944 RRF -.1131 RTF -.8992
 SGB 1719.8 R23 -.0240 R13 -.8993
 SG1 1679.4 SG2 370.4 THA 1.26

ORBIT DETERMINATION ACCURACY

ST 1025.6 SR 270.3 SS 1137.9
 CRT -.8648 CRS -.9372 CST .9850
 LSA 1545.9 MSA 172.0 SSA 16.8
 EL1 1052.3 EL2 132.3 ALF 166.95

LAUNCH DATE JUN 1 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 286.290

RL 151.69 LAL .08 LOL 249.83 VL 26.177 GAL 1.61 AZL 93.61 HCA 121.08 SMA 124.67 ECC .21853 INC 3.6053 V1 29.371
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.150 GAP -10.24 AZP 88.14 TAL 174.21 TAP 295.29 RCA 97.42 APO 151.91 V2 34.903
 RC 51.950 GL -26.58 GP 2.50 ZAL 82.67 ZAP 14.70 ETS 349.83 ZAE 148.70 ETE 22.71 ZAC 88.38 ETC 13.58 CLP -14.49

PLANETOCENTRIC CONIC

C3 13.523 VHL 3.677 DLA -19.68 RAL 158.30 RAD 6567.5 VEL 11.615 PTH 2.04 VHP 6.618 DPA 6.76 RAP 179.10 ECC 1.2225
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 14 1460.59 3.04 357.70 14.24 118.17 8 29 35 860.6 6.78 351.02
 90.00 14 31 28 5433.41 28.15 250.00 19.96 86.80 16 2 2 4833.4 27.41 241.42
 100.00 9 14 10 1238.16 1.84 340.69 13.58 119.84 9 34 48 638.2 5.80 334.14
 100.00 16 5 14 5131.07 29.52 227.65 19.85 85.05 17 30 45 4531.1 28.52 218.99
 110.00 9 55 41 1108.04 -1.12 328.98 11.73 124.17 10 14 9 508.0 3.37 322.77
 110.00 17 40 12 4833.96 32.98 204.57 19.34 80.44 19 0 46 4234.0 31.31 195.75

DIFFERENTIAL CORRECTIONS

TDE .6415 TRA -.7245 TC3 .9505 BAU .1803
 RDE -.1593 RRA -.0833 RC3 .3020 FAU .04935
 FDE-1.3414 FRA .7521 FC3-3.1593 BSP 5470
 BDE .6610 BRA .7293 BC3 .9973 FSP -824

MID-COURSE EXECUTION ACCURACY

SGT 1710.2 SGR 360.5 SG3 290.6
 RRT .1176 RRF -.1394 RTF -.9048
 SGB 1747.8 R23 -.0283 R13 -.9049
 SG1 1710.8 SG2 357.8 THA 1.49

ORBIT DETERMINATION ACCURACY

ST 1062.4 SR 251.7 SS 1214.6
 CRT -.8715 CRS -.9404 CST .9857
 LSA 1624.5 MSA 167.9 SSA 16.5
 EL1 1085.1 EL2 120.8 ALF 168.19

LAUNCH DATE JUN 1 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 292.971

RL 151.69 LAL .00 LOL 249.83 VL 26.280 GAL 1.43 AZL 93.64 HCA 124.27 SMA 125.30 ECC .21204 INC 3.6356 V1 29.371
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.233 GAP -9.56 AZP 87.95 TAL 174.65 TAP 298.92 RCA 98.73 APO 151.87 V2 34.914
 RC 53.515 GL -27.69 GP 2.76 ZAL 83.75 ZAP 17.02 ETS 350.30 ZAE 148.04 ETE 21.90 ZAC 87.46 ETC 13.48 CLP -16.80

PLANETOCENTRIC CONIC

C3 12.856 VHL 3.585 DLA -20.27 RAL 156.83 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 6.242 DPA 6.63 RAP 180.02 ECC 1.2116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 0 1425.08 4.18 355.72 12.30 118.03 8 29 45 825.1 7.89 349.01
 90.00 14 18 57 5447.04 28.20 251.00 17.87 87.30 15 49 44 4847.0 27.53 242.40
 100.00 9 14 13 1204.94 2.96 338.86 11.63 119.76 9 34 18 604.9 6.90 332.29
 100.00 15 53 25 5142.41 29.58 228.49 17.77 85.48 17 19 7 4542.4 28.64 219.81
 110.00 9 54 25 1078.97 -.01 327.46 9.77 124.18 10 12 24 479.0 4.48 321.25
 110.00 17 29 42 4841.14 33.06 205.12 17.28 80.76 18 50 24 4241.1 31.43 196.27

DIFFERENTIAL CORRECTIONS

TDE .6515 TRA -.6869 TC3 1.0468 BAU .1881
 RDE -.1424 RRA -.0777 RC3 .3187 FAU .05407
 FDE-1.4859 FRA .7587 FC3-3.6411 BSP 5609
 BDE .6669 BRA .6913 BC3 1.0943 FSP -931

MID-COURSE EXECUTION ACCURACY

SGT 1736.8 SGR 348.7 SG3 324.7
 RRT .1478 RRF -.1735 RTF -.9106
 SGB 1771.5 R23 -.0338 R13 -.9109
 SG1 1737.6 SG2 344.7 THA 1.77

ORBIT DETERMINATION ACCURACY

ST 1099.0 SR 231.1 SS 1298.3
 CRT -.8774 CRS -.9427 CST .9866
 LSA 1708.7 MSA 163.7 SSA 16.1
 EL1 1117.7 EL2 109.0 ALF 169.44

LAUNCH DATE JUN 1 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 299.639

RL 151.69 LAL .00 LOL 249.83 VL 26.373 GAL 1.27 AZL 93.67 HCA 127.45 SMA 125.89 ECC .20614 INC 3.6684 V1 29.371
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.310 GAP -8.89 AZP 87.77 TAL 175.10 TAP 302.55 RCA 99.94 APO 151.84 V2 34.926
 RC 55.163 GL -28.76 GP 3.06 ZAL 84.82 ZAP 19.46 ETS 350.62 ZAE 147.62 ETE 21.35 ZAC 86.66 ETC 13.40 CLP -19.23

PLANETOCENTRIC CONIC

C3 12.291 VHL 3.506 DLA -20.83 RAL 155.37 RAD 6567.5 VEL 11.562 PTH 2.02 VHP 5.885 DPA 6.60 RAP 180.83 ECC 1.2023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 49 1391.17 5.26 353.81 10.45 117.86 8 30 0 791.2 8.95 347.07
 90.00 14 6 30 5461.75 28.24 252.07 15.89 87.84 15 37 31 4861.8 27.64 243.46
 100.00 9 14 17 1173.42 4.03 337.13 9.78 119.64 9 33 50 573.4 7.94 330.53
 100.00 15 41 42 5154.74 29.64 229.40 15.80 85.96 17 7 37 4554.7 28.77 220.70
 110.00 9 53 7 1051.69 1.04 326.04 7.91 124.17 10 10 39 451.7 5.51 319.81
 110.00 17 19 21 4849.23 33.14 205.73 15.34 81.11 18 40 11 4249.2 31.56 196.86

DIFFERENTIAL CORRECTIONS

TDE .6572 TRA -.6519 TC3 1.1310 BAU .1939
 RDE -.1252 RRA -.0728 RC3 .3364 FAU .05938
 FDE-1.6488 FRA .7670 FC3-4.1830 BSP 5678
 BDE .6690 BRA .6560 BC3 1.1799 FSP -1050

MID-COURSE EXECUTION ACCURACY

SGT 1755.5 SGR 337.2 SG3 363.1
 RRT .1896 RRF -.2194 RTF -.9147
 SGB 1787.6 R23 -.0402 R13 -.9150
 SG1 1756.7 SG2 330.9 THA 2.16

ORBIT DETERMINATION ACCURACY

ST 1127.4 SR 208.3 SS 1385.9
 CRT -.8797 CRS -.9431 CST .9872
 LSA 1791.4 MSA 161.0 SSA 15.6
 EL1 1142.3 EL2 97.8 ALF 170.70

LAUNCH DATE JUN 1 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 306.294

RL 151.69 LAL .00 LOL 249.83 VL 26.457 GAL 1.12 AZL 93.70 HCA 130.64 SMA 126.42 ECC .20082 INC 3.7041 V1 29.371
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.382 GAP -8.25 AZP 87.59 TAL 175.54 TAP 306.18 RCA 101.03 APO 151.81 V2 34.938
 RC 56.885 GL -29.81 GP 3.41 ZAL 85.86 ZAP 22.06 ETS 350.82 ZAE 147.45 ETE 21.08 ZAC 85.98 ETC 13.31 CLP -21.81

PLANETOCENTRIC CONIC

C3 11.817 VHL 3.438 DLA -21.38 RAL 153.94 RAD 6567.5 VEL 11.541 PTH 2.01 VHP 5.544 DPA 6.66 RAP 181.54 ECC 1.1945
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 46 1358.64 6.29 351.98 8.72 117.67 8 30 24 758.6 9.95 345.21
 90.00 13 54 8 5477.69 28.28 253.24 14.02 88.42 15 25 26 4877.7 27.76 244.61
 100.00 9 14 27 1143.41 5.04 335.47 8.04 119.50 9 33 31 543.4 8.93 328.85
 100.00 15 30 8 5168.16 29.70 230.39 13.95 86.48 16 56 16 4568.2 28.90 221.68
 110.00 9 51 54 1026.05 2.02 324.70 6.16 124.13 10 9 0 426.0 6.48 318.46
 110.00 17 9 10 4858.28 33.24 206.42 13.51 81.51 18 30 9 4258.3 31.71 197.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6609 TRA -.6164 TC3 1.1982 BAU .1975 SGT 1763.4 SGR 326.8 SG3 406.1 ST 1150.5 SR 182.8 SS 1480.2
 RDE -.1073 RRA -.0684 RC3 .3556 FAU .06528 RRT .2421 RRF -.2774 RTF -.9178 CRT -.8784 CRS -.9411 CST .9877
 FDE -1.8362 FRA .7735 FC3 -4.7829 BSP 5719 SGB 1793.4 R23 -.0493 R13 -.9183 LSA 1876.9 MSA 158.8 SSA 14.9
 BDE .6696 BRA .6202 BC3 1.2499 FSP -1186 SG1 1765.2 SG2 316.7 THA 2.65 EL1 1161.8 EL2 86.5 ALF 172.01

LAUNCH DATE JUN 1 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 312.933

RL 151.69 LAL .00 LOL 249.83 VL 26.533 GAL .98 AZL 93.74 HCA 133.83 SMA 126.91 ECC .19602 INC 3.7434 V1 29.371
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.447 GAP -7.62 AZP 87.41 TAL 175.98 TAP 309.81 RCA 102.03 APO 151.79 V2 34.951
 RC 58.673 GL -30.83 GP 3.82 ZAL 86.85 ZAP 24.82 ETS 350.95 ZAE 147.53 ETE 21.10 ZAC 85.45 ETC 13.24 CLP -24.55

PLANETOCENTRIC CONIC

C3 11.424 VHL 3.380 DLA -21.91 RAL 152.56 RAD 6567.4 VEL 11.524 PTH 2.01 VHP 5.222 DPA 6.85 RAP 182.12 ECC 1.1880
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 9 0 1327.15 7.28 350.20 7.12 117.44 8 31 7 727.2 10.90 343.39
 90.00 13 41 51 5495.08 28.30 254.51 12.29 89.06 15 13 26 4895.1 27.87 245.87
 100.00 9 14 51 1114.61 6.00 333.88 6.42 119.34 9 33 26 514.6 9.86 327.22
 100.00 15 18 40 5182.86 29.76 231.48 12.23 87.05 16 45 3 4582.9 29.03 222.75
 110.00 9 50 51 1001.80 2.94 323.43 4.53 124.07 10 7 32 401.8 7.39 317.18
 110.00 16 59 11 4868.43 33.34 207.20 11.82 81.96 18 20 19 4268.4 31.87 198.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6611 TRA -.5817 TC3 1.2523 BAU .1998 SGT 1761.3 SGR 318.6 SG3 454.8 ST 1165.4 SR 153.9 SS 1580.0
 RDE -.0883 RRA -.0648 RC3 .3775 FAU .07200 RRT .3103 RRF -.3519 RTF -.9202 CRT -.8703 CRS -.9343 CST .9880
 FDE -2.0494 FRA .7804 FC3 -5.4558 BSP 5729 SGB 1789.9 R23 -.0607 R13 -.9209 LSA 1963.0 MSA 157.2 SSA 14.2
 BDE .6670 BRA .5853 BC3 1.3079 FSP -1340 SG1 1764.1 SG2 302.4 THA 3.31 EL1 1173.1 EL2 75.3 ALF 173.41

LAUNCH DATE JUN 1 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 319.556

RL 151.69 LAL .00 LOL 249.83 VL 26.602 GAL .85 AZL 93.79 HCA 137.02 SMA 127.35 ECC .19172 INC 3.7872 V1 29.371
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.507 GAP -7.02 AZP 87.23 TAL 176.39 TAP 313.41 RCA 102.93 APO 151.77 V2 34.964
 RC 60.521 GL -31.82 GP 4.30 ZAL 87.78 ZAP 27.78 ETS 351.02 ZAE 147.87 ETE 21.45 ZAC 85.07 ETC 13.17 CLP -27.47

PLANETOCENTRIC CONIC

C3 11.106 VHL 3.333 DLA -22.44 RAL 151.23 RAD 6567.4 VEL 11.511 PTH 2.00 VHP 4.917 DPA 7.18 RAP 182.57 ECC 1.1828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 10 41 1296.25 8.25 348.44 5.66 117.19 8 32 18 696.3 11.83 341.59
 90.00 13 29 33 5514.30 28.32 255.91 10.69 89.76 15 1 28 4914.3 27.98 247.26
 100.00 9 15 38 1086.65 6.93 332.32 4.94 119.15 9 33 45 486.6 10.76 325.63
 100.00 15 7 18 5199.14 29.81 232.69 10.65 87.68 16 33 57 4599.1 29.17 223.94
 110.00 9 50 5 978.66 3.82 322.22 3.03 123.99 10 6 23 378.7 8.26 315.94
 110.00 16 49 21 4879.89 33.44 208.08 10.29 82.47 18 10 41 4279.9 32.04 199.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6588 TRA -.5464 TC3 1.2921 BAU .2010 SGT 1748.6 SGR 314.4 SG3 510.0 ST 1173.3 SR 121.1 SS 1687.9
 RDE -.0674 RRA -.0617 RC3 .4034 FAU .07968 RRT .3944 RRF -.4435 RTF -.9223 CRT -.8481 CRS -.9168 CST .9884
 FDE -2.2957 FRA .7852 FC3 -6.2110 BSP 5718 SGB 1776.7 R23 -.0757 R13 -.9232 LSA 2053.3 MSA 155.7 SSA 13.4
 BDE .6623 BRA .5499 BC3 1.3536 FSP -1517 SG1 1753.1 SG2 288.2 THA 4.17 EL1 1177.8 EL2 63.9 ALF 174.98

LAUNCH DATE JUN 1 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 326.163

RL 151.69 LAL .00 LOL 249.83 VL 26.662 GAL .74 AZL 93.84 HCA 140.22 SMA 127.75 ECC .18790 INC 3.8367 V1 29.371
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.562 GAP -6.43 AZP 87.05 TAL 176.78 TAP 317.00 RCA 103.74 APO 151.75 V2 34.977
 RC 62.420 GL -32.78 GP 4.88 ZAL 88.64 ZAP 30.94 ETS 351.03 ZAE 148.47 ETE 22.21 ZAC 84.86 ETC 13.11 CLP -30.59

PLANETOCENTRIC CONIC

C3 10.857 VHL 3.295 DLA -22.97 RAL 149.97 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 4.631 DPA 7.68 RAP 182.88 ECC 1.1787
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 3 1265.31 9.20 346.67 4.35 116.90 8 34 8 665.3 12.74 339.78
 90.00 13 17 9 5535.92 28.31 257.50 9.25 90.55 14 49 25 4935.9 28.09 248.84
 100.00 9 16 58 1059.00 7.84 330.78 3.62 118.94 9 34 37 459.0 11.64 324.05
 100.00 14 55 55 5217.46 29.85 234.05 9.24 88.40 16 22 52 4617.5 29.31 225.29
 110.00 9 49 44 956.25 4.68 321.05 1.67 123.90 10 5 40 356.3 9.10 314.75
 110.00 16 39 38 4892.97 33.55 209.08 8.91 83.05 18 1 11 4293.0 32.23 200.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6510 TRA -.5136 TC3 1.2991 BAU .1988 SGT 1719.0 SGR 316.8 SG3 571.5 ST 1169.1 SR 84.0 SS 1803.2
 RDE -.0440 RRA -.0592 RC3 .4345 FAU .08809 RRT .4903 RRF -.5486 RTF -.9222 CRT -.7804 CRS -.8631 CST .9884
 FDE -2.5775 FRA .7910 FC3 -7.0242 BSP 5638 SGB 1748.0 R23 -.0970 R13 -.9237 LSA 2145.0 MSA 155.3 SSA 12.6
 BDE .6525 BRA .5170 BC3 1.3698 FSP -1715 SG1 1726.2 SG2 274.9 THA 5.30 EL1 1170.9 EL2 52.4 ALF 176.78

LAUNCH DATE JUN 1 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 332.752

RL 151.69 LAL .00 LOL 249.83 VL 26.716 GAL .65 AZL 93.89 MCA 143.41 SMA 128.10 ECC .18451 INC 3.8932 V1 29.371
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.613 GAP -5.86 AZP 86.87 TAL 177.14 TAP 320.56 RCA 104.46 APO 151.74 V2 34.990
 RC 64.367 GL -33.73 GP 5.58 ZAL 89.42 ZAP 34.34 ETS 351.02 ZAE 149.31 ETE 23.47 ZAC 84.84 ETC 13.06 CLP -33.94

PLANETOCENTRIC CONIC

C3 10.671 VHL 3.267 DLA -23.53 RAL 148.78 RAD 6567.4 VEL 11.492 PTH 2.00 VHP 4.364 DPA 8.38 RAP 183.03 ECC 1.1756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 21 1233.47 10.18 344.84 3.21 116.57 8 36 54 633.5 13.67 337.90
 90.00 13 4 24 5560.74 28.28 259.31 7.98 91.46 14 37 5 4960.7 28.19 250.65
 100.00 9 19 4 1031.00 8.76 329.21 2.46 118.69 9 36 15 431.0 12.53 322.44
 100.00 14 44 22 5238.44 29.88 235.61 7.99 89.22 16 11 40 4638.4 29.45 226.83
 110.00 9 49 58 934.11 5.51 319.88 .48 123.79 10 5 32 334.1 9.92 313.56
 110.00 16 29 57 4908.09 33.67 210.24 7.71 83.73 17 51 45 4308.1 32.44 201.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6378 TRA -.4800 TC3 1.2813 BAU .1949 SGT 1671.9 SGR 329.2 SG3 639.7 ST 1152.3 SR 45.5 SS 1925.6
 RDE -.0171 RRA -.0574 RC3 .4729 FAU .09745 RRT .5918 RRF -.6601 RTF -.9211 CRT -.4637 CRS -.5868 CST .9884
 FDE-2.8988 FRA .7920 FC3-7.9059 BSP 5522 SGB 1704.0 R23 -.1254 R13 -.9236 LSA 2239.2 MSA 154.8 SSA 11.7
 BDE .6380 BRA .4834 BC3 1.3658 FSP -1938 SG1 1683.5 SG2 263.6 THA 6.82 EL1 1152.5 EL2 40.3 ALF 178.95

LAUNCH DATE JUN 1 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 339.323

RL 151.69 LAL .00 LOL 249.83 VL 26.764 GAL .56 AZL 93.96 MCA 146.61 SMA 128.42 ECC .18154 INC 3.9591 V1 29.371
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.659 GAP -5.30 AZP 86.69 TAL 177.47 TAP 324.08 RCA 105.10 APO 151.73 V2 35.003
 RC 66.356 GL -34.68 GP 6.42 ZAL 90.10 ZAP 38.00 ETS 350.97 ZAE 150.37 ETE 25.39 ZAC 85.02 ETC 13.05 CLP -37.53

PLANETOCENTRIC CONIC

C3 10.549 VHL 3.248 DLA -24.11 RAL 147.68 RAD 6567.4 VEL 11.486 PTH 2.00 VHP 4.117 DPA 9.30 RAP 183.02 ECC 1.1736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 58 1199.54 11.21 342.87 2.26 116.18 8 40 57 599.5 14.64 335.87
 90.00 12 50 58 5589.97 28.21 261.45 6.87 92.53 14 24 8 4990.0 28.27 252.78
 100.00 9 22 14 1001.75 9.71 327.56 1.48 118.41 9 38 56 401.7 13.43 320.74
 100.00 14 32 23 5263.00 29.89 237.43 6.91 90.18 16 0 6 4663.0 29.60 228.64
 110.00 9 50 58 911.65 6.36 318.70 359.45 123.66 10 6 9 311.7 10.74 312.34
 110.00 16 20 9 4925.86 33.80 211.62 6.70 84.53 17 42 15 4325.9 32.67 202.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6161 TRA -.4502 TC3 1.2277 BAU .1881 SGT 1604.5 SGR 356.5 SG3 714.8 ST 1118.0 SR 42.7 SS 2054.4
 RDE .0145 RRA -.0564 RC3 .5211 FAU .10770 RRT .6861 RRF -.7656 RTF -.9171 CRT .7650 CRS .6640 CST .9879
 FDE-3.2618 FRA .7975 FC3-8.8393 BSP 5313 SGB 1643.6 R23 -.1648 R13 -.9214 LSA 2334.2 MSA 155.3 SSA 10.7
 BDE .6163 BRA .4537 BC3 1.3337 FSP -2180 SG1 1623.5 SG2 256.3 THA 8.89 EL1 1118.5 EL2 27.5 ALF 1.67

LAUNCH DATE JUN 1 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 345.875

RL 151.69 LAL .00 LOL 249.83 VL 26.805 GAL .49 AZL 94.04 MCA 149.82 SMA 128.69 ECC .17894 INC 4.0372 V1 29.371
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.700 GAP -4.77 AZP 86.51 TAL 177.75 TAP 327.57 RCA 105.66 APO 151.72 V2 35.016
 RC 68.382 GL -35.64 GP 7.45 ZAL 90.69 ZAP 41.94 ETS 350.92 ZAE 151.62 ETE 28.18 ZAC 85.41 ETC 13.06 CLP -41.39

PLANETOCENTRIC CONIC

C3 10.490 VHL 3.239 DLA -24.75 RAL 146.66 RAD 6567.4 VEL 11.484 PTH 2.00 VHP 3.892 DPA 10.52 RAP 182.85 ECC 1.1726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 28 1161.69 12.33 340.67 1.53 115.69 8 46 50 561.7 15.69 333.60
 90.00 12 36 18 5625.55 28.08 264.04 5.93 93.83 14 10 4 5025.6 28.31 255.38
 100.00 9 26 52 969.96 10.74 325.75 .70 118.07 9 43 1 370.0 14.41 318.89
 100.00 14 19 36 5292.52 29.87 239.63 6.02 91.33 15 47 48 4692.5 29.73 230.83
 110.00 9 52 57 888.11 7.25 317.45 358.60 123.50 10 7 45 288.1 11.61 311.06
 110.00 16 9 59 4947.14 33.92 213.27 5.89 85.50 17 32 27 4347.1 32.93 204.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5859 TRA -.4214 TC3 1.1331 BAU .1786 SGT 1512.2 SGR 402.8 SG3 795.5 ST 1065.5 SR 99.4 SS 2190.9
 RDE .0527 RRA -.0560 RC3 .5811 FAU .11852 RRT .7591 RRF -.8520 RTF -.9093 CRT .9902 CRS .9615 CST .9869
 FDE-3.6724 FRA .7982 FC3-9.7811 BSP 5024 SGB 1564.9 R23 -.2168 R13 -.9174 LSA 2433.3 MSA 156.3 SSA 9.7
 BDE .5882 BRA .4251 BC3 1.2734 FSP -2439 SG1 1543.7 SG2 256.9 THA 11.76 EL1 1070.1 EL2 13.8 ALF 5.28

LAUNCH DATE JUN 1 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 352.408

RL 151.69 LAL .00 LOL 249.83 VL 26.841 GAL .43 AZL 94.13 MCA 153.02 SMA 128.93 ECC .17670 INC 4.1320 V1 29.371
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.738 GAP -4.24 AZP 86.32 TAL 177.99 TAP 331.01 RCA 106.15 APO 151.71 V2 35.029
 RC 70.443 GL -36.64 GP 8.73 ZAL 91.17 ZAP 46.18 ETS 350.86 ZAE 152.96 ETE 32.13 ZAC 86.00 ETC 13.14 CLP -45.54

PLANETOCENTRIC CONIC

C3 10.500 VHL 3.240 DLA -25.46 RAL 145.71 RAD 6567.4 VEL 11.484 PTH 2.00 VHP 3.689 DPA 12.07 RAP 182.54 ECC 1.1728
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 47 1116.95 13.64 338.03 1.04 115.06 8 55 24 516.9 16.90 330.87
 90.00 12 19 24 5670.70 27.83 267.32 5.17 95.45 13 53 55 5070.7 28.29 258.69
 100.00 9 33 32 933.72 11.89 323.68 .15 117.63 9 49 6 333.7 15.50 316.75
 100.00 14 5 21 5329.16 29.78 242.35 5.33 92.76 15 34 10 4729.2 29.84 233.55
 110.00 9 56 15 862.45 8.21 316.09 357.96 123.30 10 10 37 262.5 12.54 309.66
 110.00 15 59 7 4973.19 34.04 215.29 5.30 86.70 17 22 0 4373.2 33.21 206.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5463 TRA -.3919 TC3 1.0026 BAU .1683 SGT 1394.3 SGR 474.0 SG3 881.0 ST 993.1 SR 180.4 SS 2334.7
 RDE .1000 RRA -.0561 RC3 .6570 FAU .12994 RRT .8048 RRF -.9141 RTF -.8968 CRT .9975 CRS .9918 CST .9854
 FDE-4.1329 FRA .7856 FC-10.7134 BSP 4713 SGB 1472.7 R23 -.2760 R13 -.9128 LSA 2538.7 MSA 156.8 SSA 8.7
 BDE .5553 BRA .3959 BC3 1.1987 FSP -2722 SG1 1447.5 SG2 271.0 THA 15.87 EL1 1009.3 EL2 12.7 ALF 10.27

LAUNCH DATE JUN 1 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC
 RL 151.69 LAL .00 LOL 249.83 VL 26.871 GAL .39 AZL 94.25 HCA 156.23 SMA 129.14 ECC .17480 INC 4.2503 V1 29.371
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.772 GAP -3.73 AZP 86.11 TAL 178.18 TAP 334.41 RCA 106.56 APO 151.71 V2 35.042
 RC 72.534 GL -37.73 GP 10.36 ZAL 91.54 ZAP 50.75 ETS 350.82 ZAE 154.24 ETE 37.64 ZAC 86.79 ETC 13.29 CLP -49.97

PLANETOCENTRIC CONIC
 C3 10.592 VHL 3.255 DLA -26.29 RAL 144.82 RAD 6567.4 VEL 11.488 PTH 2.00 VHP 3.512 DPA 14.05 RAP 182.10 ECC 1.1743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 46 1059.38 15.27 334.59 .87 114.14 9 8 26 459.4 18.40 327.31
 90.00 11 58 20 5731.80 27.36 271.73 4.55 97.61 13 33 52 5131.8 28.13 263.15
 100.00 9 43 17 889.78 13.26 321.14 359.87 117.04 9 58 7 289.8 16.78 314.12
 100.00 13 48 31 5376.63 29.57 245.86 4.82 94.60 15 18 7 4776.6 29.89 237.07
 110.00 10 1 20 833.16 9.30 314.52 357.54 123.04 10 15 13 233.2 13.59 308.04
 110.00 15 46 58 5006.01 34.14 217.85 4.95 88.21 17 10 24 4406.0 33.52 208.66

DIFFERENTIAL CORRECTIONS
 TDE .4958 TRA -.3660 TC3 .8436 BAU .1603 SGT 1256.9 SGR 577.9 SG3 971.1 ST 899.2 SR 285.2 SS 2486.1
 RDE .1606 RRA -.0573 RC3 .7547 FAU .14207 RRT .8225 RRF -.9541 RTF -.8763 CRT .9918 CRS .9977 CST .9826
 FDE-4.6454 FRA .7727 FC-11.6122 BSP 4401 SGB 1383.4 R23 -.3289 R13 -.9099 LSA 2654.3 MSA 157.7 SSA 7.7
 BDE .5211 BRA .3705 BC3 1.1319 FSP -3029 SG1 1349.1 SG2 306.2 THA 21.90 EL1 942.7 EL2 34.7 ALF 17.49

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 1 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC
 RL 151.69 LAL .00 LOL 249.83 VL 26.897 GAL .35 AZL 94.40 HCA 159.43 SMA 129.31 ECC .17320 INC 4.4031 V1 29.371
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.803 GAP -3.23 AZP 85.88 TAL 178.32 TAP 337.75 RCA 106.91 APO 151.71 V2 35.056
 RC 74.652 GL -38.95 GP 12.46 ZAL 91.79 ZAP 55.65 ETS 350.81 ZAE 155.16 ETE 45.10 ZAC 87.73 ETC 13.57 CLP -54.70

PLANETOCENTRIC CONIC
 C3 10.789 VHL 3.285 DLA -27.29 RAL 143.97 RAD 6567.4 VEL 11.497 PTH 2.00 VHP 3.364 DPA 16.58 RAP 181.61 ECC 1.1776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 25 973.06 17.60 329.32 1.17 112.55 9 30 38 373.1 20.51 321.85
 90.00 11 27 54 5825.62 26.33 278.40 3.99 100.81 13 5 0 5225.6 27.56 269.95
 100.00 9 58 12 831.61 15.04 317.73 359.96 116.14 10 12 3 231.6 18.43 310.58
 100.00 13 26 49 5442.30 29.11 250.69 4.48 97.10 14 57 31 4842.3 29.79 241.95
 110.00 10 8 58 797.78 10.61 312.61 357.40 122.69 10 22 16 197.8 14.85 306.07
 110.00 15 32 32 5048.90 34.18 221.20 4.86 90.19 16 56 41 4448.9 33.83 211.97

DIFFERENTIAL CORRECTIONS
 TDE .4278 TRA -.3434 TC3 .6222 BAU .1543 SGT 1085.5 SGR 717.8 SG3 1052.0 ST 773.3 SR 419.9 SS 2632.8
 RDE .2397 RRA -.0594 RC3 .8702 FAU .15208 RRT .8013 RRF -.9767 RTF -.8338 CRT .9834 CRS .9993 CST .9768
 FDE-5.1857 FRA .7502 FC-12.2035 BSP 4004 SGB 1301.3 R23 -.3597 R13 -.9121 LSA 2771.4 MSA 159.5 SSA 6.6
 BDE .4904 BRA .3485 BC3 1.0698 FSP -3276 SG1 1246.4 SG2 374.0 THA 31.01 EL1 877.4 EL2 67.2 ALF 28.28

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 1 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC
 RL 151.69 LAL .00 LOL 249.83 VL 26.918 GAL .33 AZL 94.61 HCA 162.65 SMA 129.45 ECC .17189 INC 4.6099 V1 29.371
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.830 GAP -2.75 AZP 85.60 TAL 178.40 TAP 341.04 RCA 107.20 APO 151.71 V2 35.069
 RC 76.795 GL -40.41 GP 15.25 ZAL 91.92 ZAP 60.89 ETS 350.87 ZAE 155.25 ETE 54.69 ZAC 88.74 ETC 14.01 CLP -59.71

PLANETOCENTRIC CONIC
 C3 11.139 VHL 3.338 DLA -28.55 RAL 143.11 RAD 6567.4 VEL 11.512 PTH 2.01 VHP 3.251 DPA 19.85 RAP 181.19 ECC 1.1833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.21 9 45 56 864.86 22.73 323.43 2.72 107.75 10 0 21 264.9 24.95 315.44
 93.79 10 49 32 658.87 22.75 308.35 2.72 107.73 11 0 31 58.9 24.96 300.36
 100.00 10 23 55 741.54 17.66 312.33 .63 114.52 10 36 17 141.5 20.82 304.96
 100.00 12 54 14 5545.46 28.01 258.16 4.21 100.88 14 26 39 4945.5 29.23 249.57
 110.00 10 20 39 751.84 12.29 310.11 357.63 122.15 10 33 11 151.8 16.45 303.47
 110.00 15 14 0 5107.93 34.07 225.81 5.07 92.91 16 39 8 4507.9 34.10 216.56

DIFFERENTIAL CORRECTIONS
 TDE .3440 TRA -.3241 TC3 .3829 BAU .1618 SGT 902.9 SGR 912.7 SG3 1124.3 ST 620.3 SR 599.1 SS 2777.4
 RDE .3481 RRA -.0625 RC3 1.0172 FAU .16114 RRT .7326 RRF -.9891 RTF -.7530 CRT .9687 CRS .9998 CST .9639
 FDE-5.7523 FRA .7099 FC-12.5242 BSP 3883 SGB 1283.8 R23 -.3182 R13 -.9374 LSA 2903.7 MSA 161.5 SSA 5.6
 BDE .4894 BRA .3301 BC3 1.0868 FSP -3539 SG1 1194.9 SG2 469.4 THA 45.42 EL1 855.6 EL2 107.9 ALF 43.97

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 1 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC
 RL 151.69 LAL .00 LOL 249.83 VL 26.935 GAL .33 AZL 94.91 HCA 165.86 SMA 129.57 ECC .17085 INC 4.9076 V1 29.371
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.854 GAP -2.28 AZP 85.24 TAL 178.42 TAP 344.28 RCA 107.43 APO 151.71 V2 35.082
 RC 78.958 GL -42.26 GP 19.14 ZAL 91.93 ZAP 66.45 ETS 351.02 ZAE 153.78 ETE 65.81 ZAC 89.65 ETC 14.67 CLP -64.98

PLANETOCENTRIC CONIC
 C3 11.742 VHL 3.427 DLA -30.20 RAL 142.15 RAD 6567.4 VEL 11.538 PTH 2.01 VHP 3.187 DPA 24.21 RAP 181.09 ECC 1.1932
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.04 8 45 16 1058.51 23.76 338.10 2.99 109.21 9 2 54 458.5 26.16 330.10
 100.96 11 42 34 5775.17 23.77 273.95 3.00 109.20 13 18 49 5175.2 26.17 265.95
 79.04 8 45 16 1058.51 23.76 338.10 2.99 109.21 9 2 54 458.5 26.16 330.10
 100.96 11 42 34 5775.17 23.77 273.95 3.00 109.20 13 18 49 5175.2 26.17 265.95
 110.00 10 39 44 685.43 14.66 306.43 358.46 121.23 10 51 9 85.4 18.69 299.63
 110.00 14 47 17 5196.25 33.56 232.65 5.58 96.93 16 13 53 4596.2 34.15 223.46

DIFFERENTIAL CORRECTIONS
 TDE .2467 TRA -.3064 TC3 .1237 BAU .1884 SGT 727.0 SGR 1187.8 SG3 1175.3 ST 449.1 SR 853.5 SS 2931.3
 RDE .5098 RRA -.0632 RC3 1.1939 FAU .16624 RRT .5712 RRF -.9953 RTF -.5859 CRT .9342 CRS .9999 CST .9308
 FDE-6.3607 FRA .6069 FC-12.2568 BSP 4164 SGB 1392.6 R23 -.1691 R13 -.9810 LSA 3081.6 MSA 162.6 SSA 4.5
 BDE .5663 BRA .3128 BC3 1.2003 FSP -3722 SG1 1277.3 SG2 554.9 THA 65.90 EL1 953.7 EL2 143.4 ALF 63.17

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 1 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 384.782

RL 151.69 LAL .00 LOL 249.83 VL 26.948 GAL .33 AZL 95.38 HCA 169.07 SMA 129.66 ECC .17006 INC 5.3762 V1 29.371
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.875 GAP -1.81 AZP 84.72 TAL 178.39 TAP 347.46 RCA 107.61 APO 151.71 V2 35.094
 RC 81.139 GL -44.80 GP 24.90 ZAL 91.80 ZAP 72.33 ETS 351.36 ZAE 149.69 ETE 76.88 ZAC 90.14 ETC 15.65 CLP -70.45

PLANETOCENTRIC CONIC

C3 12.842 VHL 3.584 DLA -32.51 RAL 140.92 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 3.203 DPA 30.29 RAP 181.86 ECC 1.2114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.32 8 0 9 1204.07 25.03 349.60 3.80 111.46 8 20 13 604.1 27.72 341.61
 106.68 12 17 53 5667.60 25.04 266.35 3.80 111.44 13 52 21 5067.6 27.73 258.35
 73.32 8 0 9 1204.07 25.03 349.60 3.80 111.46 8 20 13 604.1 27.72 341.61
 106.68 12 17 53 5667.60 25.04 266.35 3.80 111.44 13 52 21 5067.6 27.73 258.35
 110.00 11 18 0 5852.58 18.80 277.42 .63 119.09 12 55 33 5252.6 22.53 270.27
 110.00 13 59 12 5355.13 31.61 244.62 6.16 103.75 15 28 27 4755.1 33.17 235.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1213 TRA -.3002 TC3 -.1381 BAU .2383
 RDE .7641 RRA -.0628 RC3 1.3813 FAU .16218
 FDE-6.8661 FRA .4740 FC-10.9329 BSP 5068
 BDE .7736 BRA .3067 BC3 1.3882 FSP -3698

SGT 609.3 SGR 1576.9 SG3 1167.9
 RRT .2151 RRF -.9981 RTF -.2264
 SGB 1690.5 R23 -.0242 R13 -.9979
 SG1 1583.2 SG2 592.7 THA 84.47

ST 258.4 SR 1222.5 SS 3039.9
 CRT .7690 CRS 1.0000 CST .7661
 LSA 3282.5 MSA 165.7 SSA 3.5
 EL1 1238.8 EL2 163.0 ALF 80.60

LAUNCH DATE JUN 1 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 391.196

RL 151.69 LAL .00 LOL 249.83 VL 26.957 GAL .35 AZL 96.23 HCA 172.29 SMA 129.72 ECC .16950 INC 6.2307 V1 29.371
 RP 107.94 LAP -.83 LOP 62.17 VP 37.893 GAP -1.36 AZP 83.83 TAL 178.29 TAP 350.58 RCA 107.73 APO 151.71 V2 35.107
 RC 83.336 GL -48.66 GP 34.14 ZAL 91.53 ZAP 78.48 ETS 352.07 ZAE 141.31 ETE 85.99 ZAC 89.51 ETC 16.95 CLP -76.03

PLANETOCENTRIC CONIC

C3 15.186 VHL 3.897 DLA -36.04 RAL 139.01 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 3.397 DPA 39.40 RAP 185.02 ECC 1.2499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.71 7 12 54 1361.58 26.54 2.63 5.64 115.33 7 35 35 761.6 29.72 354.72
 113.29 12 49 52 5583.73 26.55 260.53 5.64 115.31 14 22 56 4983.7 29.73 252.61
 66.71 7 12 54 1361.58 26.54 2.63 5.64 115.33 7 35 35 761.6 29.72 354.72
 113.29 12 49 52 5583.73 26.55 260.53 5.64 115.31 14 22 56 4983.7 29.73 252.61
 66.71 7 12 54 1361.58 26.54 2.63 5.64 115.33 7 35 35 761.6 29.72 354.72
 113.29 12 49 52 5583.73 26.55 260.53 5.64 115.31 14 22 56 4983.7 29.73 252.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0360 TRA -.3103 TC3 -.3376 BAU .3189
 RDE 1.2325 RRA -.0411 RC3 1.5340 FAU .14290
 FDE-7.1013 FRA .2050 FC3-8.1469 BSP 6960
 BDE 1.2331 BRA .3130 BC3 1.5707 FSP -3365

SGT 624.8 SGR 2172.3 SG3 1056.3
 RRT -.2714 RRF -.9993 RTF .2636
 SGB 2260.4 R23 .0311 R13 -.9989
 SG1 2179.4 SG2 599.4 THA 94.83

ST 177.5 SR 1812.7 SS 3064.8
 CRT -.2875 CRS 1.0000 CST -.2890
 LSA 3561.1 MSA 170.0 SSA 2.5
 EL1 1813.4 EL2 170.0 ALF 91.63

LAUNCH DATE JUN 1 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 397.585

RL 151.69 LAL .00 LOL 249.83 VL 26.963 GAL .38 AZL 98.30 HCA 175.50 SMA 129.76 ECC .16916 INC 8.2975 V1 29.371
 RP 107.91 LAP -.65 LOP 65.39 VP 37.909 GAP -.92 AZP 81.73 TAL 178.13 TAP 353.64 RCA 107.81 APO 151.71 V2 35.119
 RC 85.546 GL -55.34 GP 50.69 ZAL 91.08 ZAP 84.68 ETS 353.73 ZAE 125.08 ETE 92.08 ZAC 86.18 ETC 18.16 CLP -81.58

PLANETOCENTRIC CONIC

C3 22.383 VHL 4.731 DLA -42.04 RAL 135.21 RAD 6567.9 VEL 11.990 PTH 2.14 VHP 4.219 DPA 53.99 RAP 196.82 ECC 1.3684
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.53 6 13 33 1579.10 27.31 21.23 10.26 123.30 6 39 52 979.1 31.48 13.80
 122.47 13 18 54 5547.82 27.32 258.02 10.27 123.29 14 51 22 4947.8 31.49 250.60
 57.53 6 13 33 1579.10 27.31 21.23 10.26 123.30 6 39 52 979.1 31.48 13.80
 122.47 13 18 54 5547.82 27.32 258.02 10.27 123.29 14 51 22 4947.8 31.49 250.60
 57.53 6 13 33 1579.10 27.31 21.23 10.26 123.30 6 39 52 979.1 31.48 13.80
 122.47 13 18 54 5547.82 27.32 258.02 10.27 123.29 14 51 22 4947.8 31.49 250.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2428 TRA -.3715 TC3 -.3641 BAU .4187
 RDE 2.3112 RRA .0738 RC3 1.3511 FAU .08959
 FDE-6.2848 FRA -.1995 FC3-3.4653 BSP 9938
 BDE 2.3239 BRA .3788 BC3 1.3993 FSP -2269

SGT 756.4 SGR 3079.4 SG3 716.6
 RRT -.5737 RRF -.9998 RTF .5682
 SGB 3171.0 R23 .0354 R13 -.9992
 SG1 3111.1 SG2 613.2 THA 98.35

ST 345.8 SR 2799.4 SS 2775.2
 CRT -.8573 CRS 1.0000 CST -.8572
 LSA 3953.1 MSA 177.5 SSA 1.6
 EL1 2815.2 EL2 177.0 ALF 96.07

LAUNCH DATE JUN 1 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 403.924

RL 151.69 LAL .00 LOL 249.83 VL 26.966 GAL .43 AZL 110.49 HCA 178.69 SMA 129.78 ECC .16904 INC20.4843 V1 29.371
 RP 107.87 LAP -.46 LOP 68.60 VP 37.922 GAP -.50 AZP 69.51 TAL 177.87 TAP 356.56 RCA 107.84 APO 151.72 V2 35.131
 RC 87.767 GL -66.47 GP 84.29 ZAL 90.36 ZAP 89.40 ETS 356.44 ZAE 91.75 ETE 94.83 ZAC 76.90 ETC 14.57 CLP -83.90

PLANETOCENTRIC CONIC

C3 105.985 VHL 10.295 DLA -51.64 RAL 126.89 RAD 6570.0 VEL 15.077 PTH 2.71 VHP 11.220 DPA 67.17 RAP 264.30 ECC 2.7442
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.83 4 54 40 2070.55 13.76 54.38 25.70 140.28 5 29 11 1470.5 19.85 49.37
 135.17 13 31 24 5807.93 13.78 269.25 25.71 140.28 15 8 12 5207.9 19.86 264.24
 44.83 4 54 40 2070.55 13.76 54.38 25.70 140.28 5 29 11 1470.5 19.85 49.37
 135.17 13 31 24 5807.93 13.78 269.25 25.71 140.28 15 8 12 5207.9 19.86 264.24
 44.83 4 54 40 2070.55 13.76 54.38 25.70 140.28 5 29 11 1470.5 19.85 49.37
 135.17 13 31 24 5807.93 13.78 269.25 25.71 140.28 15 8 12 5207.9 19.86 264.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.8833 TRA -.7562 TC3 -.0114 BAU .0269
 RDE 6.3525 RRA .7131 RC3 .0151 FAU .00017
 FDE-3.0610 FRA -.2659 FC3 -.0014 BSP 7670
 BDE 6.9762 BRA 1.0394 BC3 .0190 FSP -281

SGT 1742.2 SGR 3593.0 SG3 148.6
 RRT .8369 RRF -.9992 RTF -.8582
 SGB 3993.1 R23 -.0570 R13 -.9984
 SG1 3895.0 SG2 879.6 THA 66.65

ST 1617.5 SR 3540.7 SS 1652.9
 CRT .9838 CRS .9999 CST .9859
 LSA 4220.7 MSA 266.0 SSA .5
 EL1 3883.6 EL2 264.5 ALF 65.68

LAUNCH DATE JUN 1 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

RL 151.69 LAL .00 LOL 249.83 VL 26.965 GAL .47 AZL 82.26 HCA 182.01 SMA 129.78 ECC .16908 INC 7.7274 V1 29.371
 RP 107.83 LAP -.27 LOP 71.82 VP 37.932 GAP -.04 AZP 97.73 TAL 177.71 TAP 359.72 RCA 107.83 APO 151.72 V2 35.143
 RC 89.996 GL 53.86 GP -74.07 ZAL 90.62 ZAP 91.33 ETS 357.00 ZAE 109.28 ETE 259.14 ZAC 108.69 ETC 347.79 CLP -94.87

DISTANCE 410.387

PLANETOCENTRIC CONIC

C3 20.199 VHL 4.494 DLA 55.67 RAL 192.86 RAD 6567.8 VEL 11.899 PTH 2.11 VHP 7.604 DPA -54.88 RAP 122.29 ECC 1.3324
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 39.83 21 1 23 4345.72 -35.69 210.34 73.51 43.97 22 13 49 3745.7 -41.23 203.38
 140.17 6 11 1 2731.79 -35.68 80.27 73.49 43.96 6 56 33 2131.8 -41.22 73.31
 39.83 21 1 23 4345.72 -35.69 210.34 73.51 43.97 22 13 49 3745.7 -41.23 203.38
 140.17 6 11 1 2731.79 -35.68 80.27 73.49 43.96 6 56 33 2131.8 -41.22 73.31
 39.83 21 1 23 4345.72 -35.69 210.34 73.51 43.97 22 13 49 3745.7 -41.23 203.38
 140.17 6 11 1 2731.79 -35.68 80.27 73.49 43.96 6 56 33 2131.8 -41.22 73.31

DIFFERENTIAL CORRECTIONS

TDE .8740 TRA .5445 TC3 -.7171 BAU .4822
 RDE 1.0245 RRA 1.5399 RC3-1.6353 FAU .03016
 FDE .7922 FRA 1.1948 FC3-1.2927 BSP 10192
 BDE 1.3466 BRA 1.6333 BC3 1.7836 FSP -655

MID-COURSE EXECUTION ACCURACY

SGT 1781.2 SGR 3998.3 SG3 268.6
 RRT .9392 RRF 1.0000 RTF .9389
 SGB 4377.1 R23 .0560 R13 .9984
 SG1 4340.7 SG2 563.3 THA 66.88

ORBIT DETERMINATION ACCURACY

ST 1174.0 SR 1672.9 SS 851.1
 CRT .9378 CRS-1.0000 CST -.9372
 LSA 2186.0 MSA 350.2 SSA .4
 EL1 2015.6 EL2 338.2 ALF 55.54

LAUNCH DATE JUN 1 1967

FLIGHT TIME 152.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

RL 151.69 LAL .00 LOL 249.83 VL 26.962 GAL .54 AZL 89.13 HCA 185.21 SMA 129.75 ECC .16934 INC .8647 V1 29.371
 RP 107.80 LAP -.08 LOP 75.05 VP 37.940 GAP .37 AZP 90.87 TAL 177.36 TAP 2.57 RCA 107.78 APO 151.73 V2 35.154
 RC 92.232 GL 9.67 GP -46.06 ZAL 90.35 ZAP 96.50 ETS 354.06 ZAE 135.45 ETE 249.27 ZAC 113.84 ETC 356.76 CLP -99.40

DISTANCE 416.700

PLANETOCENTRIC CONIC

C3 5.984 VHL 2.446 DLA 16.95 RAL 164.84 RAD 6567.2 VEL 11.286 PTH 1.94 VHP 3.916 DPA -30.32 RAP 141.16 ECC 1.0985
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 27 59 2525.36 -25.70 62.16 13.64 102.33 4 10 4 1925.4 -23.74 54.03
 90.00 20 0 52 4055.14 -4.62 163.89 10.66 62.03 21 8 27 3455.1 -8.33 157.17
 100.00 4 59 0 2231.80 -26.60 40.33 13.40 104.17 5 36 12 1631.8 -24.39 32.23
 100.00 21 12 31 3823.92 -3.81 146.44 10.21 60.33 22 16 15 3223.9 -7.73 139.85
 110.00 6 28 37 1951.44 -28.92 18.25 12.62 109.07 7 1 8 1351.4 -26.05 10.25
 110.00 21 59 24 3677.05 -1.75 134.02 8.93 55.86 23 0 41 3077.0 -6.22 127.78

DIFFERENTIAL CORRECTIONS

TDE .1066 TRA .1710 TC3-3.6790 BAU .5029
 RDE -.0015 RRA .5742 RC3-5.0962 FAU .11677
 FDE -.0665 FRA 1.8675 FC-16.8933 BSP 10239
 BDE .1066 BRA .5991 BC3 6.2854 FSP -2538

MID-COURSE EXECUTION ACCURACY

SGT 1864.8 SGR 2862.4 SG3 816.2
 RRT .9509 RRF .9999 RTF .9509
 SGB 3416.3 R23 .0912 R13 .9957
 SG1 3381.1 SG2 488.7 THA 57.46

ORBIT DETERMINATION ACCURACY

ST 284.6 SR 428.4 SS 474.7
 CRT .4603 CRS -.9947 CST -.3678
 LSA 651.1 MSA 256.6 SSA 4.9
 EL1 456.3 EL2 237.1 ALF 66.21

LAUNCH DATE JUN 1 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

RL 151.69 LAL .00 LOL 249.83 VL 26.957 GAL .62 AZL 90.76 HCA 188.44 SMA 129.72 ECC .16976 INC .7613 V1 29.371
 RP 107.77 LAP .11 LOP 78.27 VP 37.946 GAP .78 AZP 89.25 TAL 176.97 TAP 5.41 RCA 107.70 APO 151.74 V2 35.165
 RC 94.474 GL -8.44 GP -31.70 ZAL 89.46 ZAP 102.31 ETS 353.10 ZAE 146.53 ETE 235.27 ZAC 115.67 ETC 2.20 CLP-104.51

DISTANCE 423.015

PLANETOCENTRIC CONIC

C3 5.970 VHL 2.443 DLA -.15 RAL 158.71 RAD 6567.2 VEL 11.286 PTH 1.94 VHP 3.324 DPA -16.48 RAP 145.68 ECC 1.0983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 22 1 1963.32 -12.79 26.16 3.89 115.48 5 54 44 1363.3 -9.25 19.27
 90.00 17 17 53 4616.39 13.05 195.65 3.92 64.65 18 34 50 4016.4 9.53 188.74
 100.00 6 43 18 1701.16 -13.45 6.55 3.55 116.95 7 11 39 1101.2 -9.73 359.73
 100.00 18 39 18 4353.79 13.72 176.00 3.58 63.18 19 51 52 3753.8 10.01 169.18
 110.00 7 51 23 1488.02 -15.22 349.36 2.54 120.98 8 16 11 888.0 -11.00 342.80
 110.00 19 47 42 4139.68 15.49 158.74 2.57 59.14 20 56 42 3539.7 11.28 152.16

DIFFERENTIAL CORRECTIONS

TDE -.2053 TRA .1225 TC3-4.4110 BAU .4615
 RDE -.2453 RRA .3412 RC3-3.7379 FAU .16001
 FDE-1.6807 FRA 2.0592 FC-23.2036 BSP 9201
 BDE .3198 BRA .3626 BC3 5.7818 FSP -3556

MID-COURSE EXECUTION ACCURACY

SGT 2227.3 SGR 2075.5 SG3 1117.9
 RRT .9614 RRF .9995 RTF .9621
 SGB 3044.4 R23 .1448 R13 .9890
 SG1 3015.0 SG2 422.0 THA 42.90

ORBIT DETERMINATION ACCURACY

ST 493.3 SR 625.6 SS 1209.9
 CRT .9756 CRS -.9991 CST -.9836
 LSA 1445.8 MSA 90.3 SSA 9.8
 EL1 792.1 EL2 85.5 ALF 51.91

LAUNCH DATE JUN 1 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

RL 151.69 LAL .00 LOL 249.83 VL 26.949 GAL .71 AZL 91.50 HCA 191.66 SMA 129.66 ECC .17036 INC 1.4968 V1 29.371
 RP 107.73 LAP .30 LOP 81.50 VP 37.950 GAP 1.19 AZP 88.53 TAL 176.54 TAP 8.20 RCA 107.57 APO 151.75 V2 35.175
 RC 96.719 GL -16.15 GP -23.52 ZAL 88.50 ZAP 107.78 ETS 352.87 ZAE 150.21 ETE 221.01 ZAC 116.76 ETC 5.52 CLP-109.45

DISTANCE 429.314

PLANETOCENTRIC CONIC

C3 6.416 VHL 2.533 DLA -7.65 RAL 156.71 RAD 6567.2 VEL 11.305 PTH 1.94 VHP 3.176 DPA -8.29 RAP 147.16 ECC 1.1056
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 37 1740.39 -5.96 13.35 2.32 117.73 6 39 37 1140.4 -2.20 6.69
 90.00 16 13 24 4863.53 19.69 210.75 3.88 69.23 17 34 28 4263.5 16.69 203.36
 100.00 7 28 16 1489.85 -6.65 354.55 1.94 119.21 7 53 6 889.8 -2.71 347.98
 100.00 17 38 26 4589.30 20.43 190.27 3.57 67.69 18 54 55 3989.3 17.22 182.94
 110.00 8 28 6 1302.49 -8.49 339.21 .82 123.24 8 49 49 702.5 -4.05 332.92
 110.00 18 55 5 4349.42 22.38 171.10 2.62 63.46 20 7 34 3749.4 18.63 163.97

DIFFERENTIAL CORRECTIONS

TDE -.4112 TRA .1289 TC3-4.7020 BAU .4615
 RDE -.2644 RRA .2443 RC3-2.6159 FAU .17333
 FDE-2.6917 FRA 2.0975 FC-23.3896 BSP 9047
 BDE .4888 BRA .2762 BC3 5.3807 FSP -3900

MID-COURSE EXECUTION ACCURACY

SGT 2574.0 SGR 1557.1 SG3 1223.1
 RRT .9673 RRF .9986 RTF .9687
 SGB 3008.3 R23 .1770 R13 .9829
 SG1 2989.0 SG2 340.2 THA 30.78

ORBIT DETERMINATION ACCURACY

ST 937.0 SR 622.3 SS 1719.5
 CRT .9842 CRS -.9991 CST -.9905
 LSA 2051.1 MSA 121.0 SSA 7.3
 EL1 1121.0 EL2 92.1 ALF 33.43

LAUNCH DATE JUN 1 1967

FLIGHT TIME 159.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 435.596

RL 151.69 LAL .00 LOL 249.83 VL 26.938 GAL .81 AZL 91.92 HCA 194.90 SMA 129.59 ECC .17112 INC 1.9169 VI 29.371
 RP 107.70 LAP .49 LOP 84.72 VP 37.952 GAP 1.59 AZP 88.15 TAL 176.05 TAP 10.94 RCA 107.42 APO 151.77 V2 35.185
 RC 98.967 GL -20.19 GP -18.37 ZAL 87.47 ZAP 112.83 ETS 352.92 ZAE 150.38 ETE 209.61 ZAC 117.59 ETC 7.77 CLP-114.13

PLANETOCENTRIC CONIC

C3 6.822 VHL 2.612 OLA -11.80 RAL 156.15 RAD 6567.2 VEL 11.323 PTH 1.95 VHP 3.163 DPA -2.98 RAP 147.63 ECC 1.1123
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 44 1615.43 -1.96 6.34 2.60 118.25 7 8 39 1015.4 1.84 359.72
 90.00 15 37 46 5009.68 22.93 220.24 5.05 72.91 17 1 16 4409.7 20.37 212.50
 100.00 7 57 5 1372.32 -2.71 348.05 2.18 119.78 8 19 57 772.3 1.27 341.53
 100.00 17 5 6 4728.02 23.74 199.23 4.76 71.28 18 23 54 4128.0 20.97 191.54
 110.00 8 51 47 1201.02 -4.66 333.84 .96 123.90 9 11 48 601.0 -1.18 327.62
 110.00 18 26 54 4472.09 25.89 178.89 3.86 66.86 19 41 26 3872.1 22.53 171.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5807 TRA .1542 TC3-4.9565 BAU .4854 SGT 2906.2 SGR 1215.5 SG3 1238.5 ST 1280.3 SR 532.9 SS 1985.7
 RDE -.2352 RRA .1933 RC3-1.9368 FAU .17389 RRT .9700 RRF .9965 RTF .9730 CRT .9864 CRS -.9986 CST -.9935
 FDE -3.2462 FRA 2.0878 FC-22.0663 BSP 9493 SGB 3150.1 R23 .1820 R13 .9801 LSA 2418.5 MSA 130.1 SSA 7.6
 BDE .6265 BRA .2473 BC3 5.3214 FSP -3954 SG1 3138.2 SG2 273.6 THA 22.26 EL1 1384.4 EL2 81.1 ALF 22.40

LAUNCH DATE JUN 1 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 441.858

RL 151.69 LAL .00 LOL 249.83 VL 26.926 GAL .93 AZL 92.19 HCA 198.13 SMA 129.51 ECC .17205 INC 2.1903 VI 29.371
 RP 107.67 LAP .68 LOP 87.95 VP 37.952 GAP 1.99 AZP 87.92 TAL 175.51 TAP 13.64 RCA 107.23 APO 151.79 V2 35.195
 RC 101.218 GL -22.60 GP -14.86 ZAL 86.36 ZAP 117.47 ETS 353.08 ZAE 149.01 ETE 201.54 ZAC 118.21 ETC 9.41 CLP-118.51

PLANETOCENTRIC CONIC

C3 7.171 VHL 2.678 OLA -14.47 RAL 156.28 RAD 6567.2 VEL 11.339 PTH 1.95 VHP 3.210 DPA .69 RAP 147.75 ECC 1.1180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 26 1532.25 .73 1.70 3.55 118.31 7 30 58 932.3 4.51 355.06
 90.00 15 15 6 5110.42 24.78 227.04 6.59 75.83 16 40 16 4510.4 22.58 219.05
 100.00 8 19 2 1294.80 -.08 343.80 3.10 119.89 8 40 37 694.8 3.90 337.27
 100.00 16 44 11 4823.11 25.67 205.64 6.32 74.13 18 4 34 4223.1 23.25 197.68
 110.00 9 9 57 1135.32 -2.16 330.40 1.80 124.12 9 28 52 535.3 2.33 324.20
 110.00 18 9 46 4555.35 28.00 184.45 5.46 69.54 19 25 41 3955.3 24.96 176.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7315 TRA .1903 TC3-5.1934 BAU .5184 SGT 3219.2 SGR 978.5 SG3 1209.0 ST 1572.5 SR 435.8 SS 2124.6
 RDE -.1970 RRA .1634 RC3-1.5049 FAU .16818 RRT .9692 RRF .9922 RTF .9758 CRT .9854 CRS -.9974 CST -.9950
 FDE -3.5198 FRA 2.0653 FC-20.3039 BSP 10194 SGB 3364.6 R23 .1689 R13 .9794 LSA 2675.6 MSA 134.0 SSA 8.4
 BDE .7576 BRA .2508 BC3 5.4071 FSP -3861 SG1 3356.7 SG2 230.9 THA 16.50 EL1 1630.2 EL2 71.5 ALF 15.30

LAUNCH DATE JUN 1 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 448.102

RL 151.69 LAL .00 LOL 249.83 VL 26.912 GAL 1.06 AZL 92.38 HCA 201.37 SMA 129.41 ECC .17313 INC 2.3829 VI 29.371
 RP 107.65 LAP .87 LOP 91.19 VP 37.951 GAP 2.38 AZP 87.78 TAL 174.92 TAP 16.29 RCA 107.01 APO 151.82 V2 35.204
 RC 103.470 GL -24.15 GP -12.34 ZAL 85.17 ZAP 121.75 ETS 353.27 ZAE 147.07 ETE 196.07 ZAC 118.63 ETC 10.67 CLP-122.59

PLANETOCENTRIC CONIC

C3 7.481 VHL 2.735 OLA -16.39 RAL 156.82 RAD 6567.2 VEL 11.352 PTH 1.96 VHP 3.290 DPA 3.34 RAP 147.80 ECC 1.1231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 25 24 1470.73 2.71 358.27 4.86 118.20 7 49 55 870.7 6.46 351.60
 90.00 14 59 30 5187.09 25.95 232.35 8.30 78.24 16 25 57 4587.1 24.07 224.18
 100.00 8 37 32 1237.99 1.85 340.68 4.38 119.84 8 58 10 638.0 5.80 334.13
 100.00 16 30 3 4895.07 26.91 210.63 8.06 76.47 17 51 38 4295.1 24.78 202.47
 110.00 9 25 23 1088.07 -.36 327.93 3.01 124.18 9 43 31 488.1 4.13 321.72
 110.00 17 58 41 4617.74 29.41 188.76 7.26 71.74 19 15 39 4017.7 26.63 180.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8704 TRA .2349 TC3-5.4050 BAU .5541 SGT 3511.3 SGR 810.2 SG3 1159.3 ST 1831.9 SR 349.6 SS 2198.0
 RDE -.1603 RRA .1446 RC3-1.2180 FAU .15981 RRT .9647 RRF .9843 RTF .9778 CRT .9819 CRS -.9947 CST -.9960
 FDE -3.6329 FRA 2.0372 FC-18.4938 BSP 10985 SGB 3603.6 R23 .1434 R13 .9797 LSA 2879.4 MSA 134.8 SSA 9.3
 BDE .8850 BRA .2758 BC3 5.5406 FSP -3713 SG1 3597.5 SG2 208.3 THA 12.59 EL1 1863.8 EL2 65.1 ALF 10.63

LAUNCH DATE JUN 1 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 454.327

RL 151.69 LAL .00 LOL 249.83 VL 26.896 GAL 1.20 AZL 92.53 HCA 204.61 SMA 129.31 ECC .17437 INC 2.5272 VI 29.371
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.947 GAP 2.77 AZP 87.70 TAL 174.29 TAP 18.89 RCA 106.76 APO 151.85 V2 35.212
 RC 105.723 GL -25.18 GP -10.44 ZAL 83.89 ZAP 125.68 ETS 353.47 ZAE 144.98 ETE 192.33 ZAC 118.83 ETC 11.66 CLP-126.38

PLANETOCENTRIC CONIC

C3 7.770 VHL 2.787 OLA -17.87 RAL 157.66 RAD 6567.3 VEL 11.365 PTH 1.96 VHP 3.392 DPA 5.31 RAP 147.90 ECC 1.1279
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 43 20 1421.87 4.28 355.54 6.42 118.02 8 7 1 821.9 7.99 348.83
 90.00 14 48 14 5249.72 26.74 236.76 10.16 80.32 16 15 44 4649.7 25.13 228.46
 100.00 8 54 9 1193.32 3.36 338.23 5.91 119.72 9 14 3 593.3 7.29 331.64
 100.00 16 20 6 4953.50 27.78 214.75 9.94 78.48 17 42 39 4353.5 25.91 206.45
 110.00 9 39 22 1051.65 1.04 326.04 4.46 124.17 9 56 54 451.6 5.51 319.81
 110.00 17 51 22 4667.93 30.43 192.31 9.19 73.61 19 9 10 4067.9 27.88 184.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9981 TRA .2889 TC3-5.5785 BAU .5890 SGT 3777.6 SGR 685.9 SG3 1096.5 ST 2062.3 SR 274.1 SS 2220.0
 RDE -.1263 RRA .1333 RC3-1.0150 FAU .14963 RRT .9541 RRF .9710 RTF .9788 CRT .9736 CRS -.9889 CST -.9965
 FDE -3.6266 FRA 2.0235 FC-16.6718 BSP 11762 SGB 3839.3 R23 .1151 R13 .9799 LSA 3039.4 MSA 135.5 SSA 10.3
 BDE 1.0061 BRA .3182 BC3 5.6701 FSP -3517 SG1 3834.0 SG2 202.5 THA 9.85 EL1 2079.5 EL2 62.1 ALF 7.38

LAUNCH DATE JUN 1 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 460.533

RL 151.69 LAL .00 LOL 249.83 VL 26.879 GAL 1.36 AZL 92.64 HCA 207.85 SMA 129.19 ECC .17576 INC 2.6396 V1 29.371
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.942 GAP 3.16 AZP 87.67 TAL 173.61 TAP 21.45 RCA 106.48 APO 151.90 V2 35.220
 RC 107.975 GL -25.86 GP -8.98 ZAL 82.53 ZAP 129.30 ETS 353.65 ZAE 142.93 ETE 189.75 ZAC 118.81 ETC 12.45 CLP-129.89

PLANETOCENTRIC CONIC

C3 8.051 VHL 2.837 DLA -19.06 RAL 158.71 RAD 6567.3 VEL 11.377 PTH 1.96 VHP 3.511 DPA 6.78 RAP 148.12 ECC 1.1325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 6 1381.12 5.58 353.25 8.16 117.81 8 23 7 781.1 9.26 346.50
 90.00 14 39 52 5303.55 27.30 240.60 12.13 82.17 16 8 16 4703.6 25.93 232.20
 100.00 9 9 43 1156.47 4.60 336.19 7.63 119.57 9 28 59 556.5 8.50 329.58
 100.00 16 12 57 5003.44 28.40 218.33 11.93 80.27 17 36 20 4403.4 26.77 209.91
 110.00 9 52 34 1022.21 2.16 324.50 6.11 124.12 10 9 36 422.2 6.63 318.26
 110.00 17 46 35 4710.46 31.20 195.38 11.23 75.28 19 5 6 4110.5 28.87 186.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1197 TRA .3481 TC3-5.7231 BAU .6231 SGT 4026.6 SGR 594.6 SG3 1030.9 ST 2274.1 SR 211.1 SS 2219.4
 RDE -.0964 RRA .1257 RC3 -.8697 FAU .13934 RRT .9367 RRF .9506 RTF .9797 CRT .9568 CRS -.9761 CST -.9969
 FDE-3.5651 FRA 1.9997 FC-14.9836 BSP 12530 SGB 4070.3 R23 .0873 R13 .9803 LSA 3181.8 MSA 134.8 SSA 11.3
 BDE 1.1239 BRA .3701 BC3 5.7888 FSP -3315 SG1 4065.1 SG2 206.3 THA 7.90 EL1 2283.1 EL2 61.1 ALF 5.08

LAUNCH DATE JUN 1 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 466.718

RL 151.69 LAL .00 LOL 249.83 VL 26.860 GAL 1.53 AZL 92.73 HCA 211.09 SMA 129.06 ECC .17731 INC 2.7303 V1 29.371
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.935 GAP 3.55 AZP 87.66 TAL 172.89 TAP 23.97 RCA 106.18 APO 151.95 V2 35.227
 RC 110.226 GL -26.30 GP -7.82 ZAL 81.09 ZAP 132.64 ETS 353.82 ZAE 141.00 ETE 187.91 ZAC 118.58 ETC 13.07 CLP-133.14

PLANETOCENTRIC CONIC

C3 8.335 VHL 2.887 DLA -20.07 RAL 159.95 RAD 6567.3 VEL 11.390 PTH 1.97 VHP 3.642 DPA 7.88 RAP 148.49 ECC 1.1372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 16 14 1345.93 6.69 351.26 10.07 117.58 8 38 40 745.9 10.33 344.47
 90.00 14 33 34 5351.66 27.70 244.07 14.21 83.86 16 2 46 4751.7 26.56 235.59
 100.00 9 24 41 1125.03 5.65 334.45 9.51 119.40 9 43 26 525.0 9.53 327.81
 100.00 16 7 48 5047.80 28.87 221.55 14.05 81.90 17 31 56 4447.8 27.45 213.03
 110.00 10 5 19 997.67 3.10 323.22 7.92 124.06 10 21 57 397.7 7.55 316.96
 110.00 17 43 39 4747.92 31.82 198.13 13.40 76.79 19 2 47 4147.9 29.68 189.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2351 TRA .4150 TC3-5.8319 BAU .6554 SGT 4256.3 SGR 527.4 SG3 965.3 ST 2467.3 SR 158.6 SS 2200.1
 RDE -.0696 RRA .1212 RC3 -.7617 FAU .12919 RRT .9107 RRF .9215 RTF .9802 CRT .9202 CRS -.9460 CST -.9973
 FDE-3.4640 FRA 1.9813 FC-13.4182 BSP 13252 SGB 4288.9 R23 .0642 R13 .9806 LSA 3306.8 MSA 134.0 SSA 12.3
 BDE 1.2371 BRA .4323 BC3 5.8814 FSP -3110 SG1 4283.4 SG2 216.5 THA 6.45 EL1 2471.6 EL2 62.0 ALF 3.39

LAUNCH DATE JUN 1 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 472.885

RL 151.69 LAL .00 LOL 249.83 VL 26.840 GAL 1.71 AZL 92.81 HCA 214.33 SMA 128.93 ECC .17902 INC 2.8055 V1 29.371
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.927 GAP 3.93 AZP 87.68 TAL 172.13 TAP 26.46 RCA 105.85 APO 152.01 V2 35.233
 RC 112.475 GL -26.55 GP -6.88 ZAL 79.57 ZAP 135.72 ETS 353.96 ZAE 139.22 ETE 186.59 ZAC 118.16 ETC 13.55 CLP-136.15

PLANETOCENTRIC CONIC

C3 8.630 VHL 2.938 DLA -20.95 RAL 161.33 RAD 6567.3 VEL 11.403 PTH 1.97 VHP 3.783 DPA 8.69 RAP 149.01 ECC 1.1420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 0 1314.82 7.67 349.49 12.13 117.34 8 53 55 714.8 11.27 342.67
 90.00 14 28 48 5395.91 27.98 247.27 16.41 85.44 15 58 44 4795.9 27.05 238.73
 100.00 9 39 19 1097.60 6.56 332.93 11.54 119.23 9 57 36 497.6 10.41 326.26
 100.00 16 4 11 5088.36 29.22 224.51 16.27 83.42 17 28 59 4488.4 28.01 215.92
 110.00 10 17 51 976.81 3.89 322.12 9.89 123.99 10 34 8 376.8 8.33 315.85
 110.00 17 42 8 4781.92 32.32 200.65 15.69 78.21 19 1 50 4181.9 30.36 191.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3455 TRA .4889 TC3-5.9040 BAU .6857 SGT 4467.9 SGR 477.9 SG3 900.8 ST 2644.1 SR 116.4 SS 2167.9
 RDE -.0454 RRA .1189 RC3 -.6784 FAU .11928 RRT .8752 RRF .8828 RTF .9804 CRT .8339 CRS -.8699 CST -.9975
 FDE-3.3398 FRA 1.9659 FC-11.9655 BSP 13943 SGB 4493.3 R23 .0464 R13 .9807 LSA 3418.5 MSA 133.4 SSA 13.2
 BDE 1.3463 BRA .5031 BC3 5.9428 FSP -2913 SG1 4487.5 SG2 230.2 THA 5.36 EL1 2645.8 EL2 64.2 ALF 2.10

LAUNCH DATE JUN 1 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 479.030

RL 151.69 LAL .00 LOL 249.83 VL 26.818 GAL 1.90 AZL 92.87 HCA 217.57 SMA 128.78 ECC .18089 INC 2.8692 V1 29.371
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.917 GAP 4.32 AZP 87.73 TAL 171.33 TAP 28.90 RCA 105.49 APO 152.08 V2 35.239
 RC 114.720 GL -26.66 GP -6.12 ZAL 77.99 ZAP 138.57 ETS 354.07 ZAE 137.60 ETE 185.61 ZAC 117.56 ETC 13.92 CLP-138.95

PLANETOCENTRIC CONIC

C3 8.944 VHL 2.991 DLA -21.72 RAL 162.83 RAD 6567.3 VEL 11.416 PTH 1.98 VHP 3.933 DPA 9.27 RAP 149.69 ECC 1.1472
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 36 1286.87 8.54 347.90 14.34 117.10 9 9 3 686.9 12.11 341.04
 90.00 14 25 15 5437.48 28.17 250.30 18.72 86.95 15 55 52 4837.5 27.45 241.71
 100.00 9 53 45 1073.35 7.37 331.58 13.71 119.05 10 11 39 473.4 11.19 324.87
 100.00 16 1 46 5126.23 29.49 227.29 18.61 84.86 17 27 13 4526.2 28.46 218.64
 110.00 10 30 16 958.92 4.57 321.19 11.99 123.91 10 46 15 358.9 9.00 314.89
 110.00 17 41 45 4813.43 32.73 203.02 18.09 79.55 19 1 59 4213.4 30.95 194.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4514 TRA .5709 TC3-5.9414 BAU .7142 SGT 4663.4 SGR 442.5 SG3 839.9 ST 2805.1 SR 86.4 SS 2127.5
 RDE -.0234 RRA .1181 RC3 -.6130 FAU .11000 RRT .8308 RRF .8350 RTF .9805 CRT .6249 CRS -.6752 CST -.9977
 FDE-3.2048 FRA 1.9536 FC-10.6474 BSP 14583 SGB 4684.3 R23 .0325 R13 .9807 LSA 3519.2 MSA 132.7 SSA 14.1
 BDE 1.4516 BRA .5830 BC3 5.9729 FSP -2724 SG1 4677.9 SG2 245.5 THA 4.52 EL1 2805.6 EL2 67.4 ALF 1.10

LAUNCH DATE JUN 1 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 485.156

RL 151.69 LAL .00 LOL 249.83 VL 26.796 GAL 2.11 AZL 92.92 HCA 220.82 SMA 128.63 ECC .18292 INC 2.9241 V1 29.371
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.906 GAP 4.70 AZP 87.79 TAL 170.49 TAP 31.31 RCA 105.10 APO 152.16 V2 35.244
 RC 116.961 GL -26.64 GP -5.48 ZAL 76.35 ZAP 141.22 ETS 354.15 ZAE 136.13 ETE 184.87 ZAC 116.79 ETC 14.19 CLP-141.54

PLANETOCENTRIC CONIC

C3 9.282 VHL 3.047 DLA -22.41 RAL 164.45 RAD 6567.3 VEL 11.431 PTH 1.98 VHP 4.091 DPA 9.66 RAP 150.52 ECC 1.1528
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 3 7 1261.55 9.32 346.45 16.67 116.86 9 24 8 661.6 12.85 339.55
 90.00 14 22 40 5477.15 28.28 253.20 21.13 88.40 15 53 57 4877.2 27.75 244.57
 100.00 10 8 6 1051.80 8.08 330.37 16.00 118.88 10 25 38 451.8 11.87 323.64
 100.00 16 0 22 5162.14 29.68 229.95 21.06 86.25 17 26 24 4562.1 28.84 221.24
 110.00 10 42 37 943.57 5.16 320.38 14.21 123.84 10 58 21 343.6 9.57 314.07
 110.00 17 42 20 4843.13 33.08 205.27 20.61 80.84 19 3 3 4243.1 31.46 196.42

DIFFERENTIAL CORRECTIONS

TDE-1.5512 TRA .6628 TC3-5.9321 BAU .7394
 RDE -.0026 RRA .1187 RC3 -.5585 FAU .10093
 FDE-3.0583 FRA 1.9482 FC3-9.4141 B8P 15105
 BDE 1.5512 BRA .6734 BC3 5.9583 F8P -2526

MID-COURSE EXECUTION ACCURACY

SGT 4836.7 SGR 417.3 SG3 780.9
 RRT .7779 RRF .7788 RTF .9804
 SGB 4854.6 R23 .0222 R13 .9804
 SG1 4847.6 SG2 261.6 THA 3.85

ORBIT DETERMINATION ACCURACY

ST 2947.1 SR 73.3 SS 2076.7
 CRT .2069 CRS -.2694 CST -.9978
 LSA 3603.6 MSA 132.6 SSA 14.9
 EL1 2947.1 EL2 71.7 ALF .29

LAUNCH DATE JUN 1 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 491.259

RL 151.69 LAL .00 LOL 249.83 VL 26.772 GAL 2.33 AZL 92.97 HCA 224.06 SMA 128.47 ECC .18513 INC 2.9723 V1 29.371
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.893 GAP 5.08 AZP 87.86 TAL 169.62 TAP 33.69 RCA 104.69 APO 152.26 V2 35.248
 RC 119.197 GL -26.52 GP -4.95 ZAL 74.65 ZAP 143.68 ETS 354.20 ZAE 134.81 ETE 184.31 ZAC 115.87 ETC 14.39 CLP-143.97

PLANETOCENTRIC CONIC

C3 9.651 VHL 3.107 DLA -23.04 RAL 166.17 RAD 6567.3 VEL 11.447 PTH 1.99 VHP 4.256 DPA 9.89 RAP 151.48 ECC 1.1588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 18 34 1238.57 10.02 345.13 19.13 116.62 9 39 12 638.6 13.52 338.20
 90.00 14 20 55 5515.40 28.32 255.99 23.65 89.80 15 52 50 4915.4 27.99 247.34
 100.00 10 22 21 1032.67 8.71 329.30 18.43 118.71 10 39 34 432.7 12.47 322.54
 100.00 15 59 48 5196.53 29.80 232.50 23.61 87.58 17 26 25 4596.5 29.15 223.75
 110.00 10 54 55 930.56 5.65 319.69 16.56 123.77 11 10 26 330.6 10.05 313.37
 110.00 17 43 44 4871.41 33.36 207.43 23.23 82.09 19 4 55 4271.4 31.91 198.50

DIFFERENTIAL CORRECTIONS

TDE-1.6499 TRA .7806 TC3-5.8984 BAU .7639
 RDE .0168 RRA .1198 RC3 -.5136 FAU .09275
 FDE-2.9185 FRA 1.9383 FC3-8.3198 B8P 15665
 BDE 1.6500 BRA .7699 BC3 5.9207 F8P -2362

MID-COURSE EXECUTION ACCURACY

SGT 5001.3 SGR 400.5 SG3 726.9
 RRT .7195 RRF .7169 RTF .9802
 SGB 5017.4 R23 .0136 R13 .9802
 SG1 5009.7 SG2 277.7 THA 3.31

ORBIT DETERMINATION ACCURACY

ST 3079.1 SR 78.9 SS 2025.8
 CRT -.2470 CRS .1860 CST -.9979
 LSA 3684.1 MSA 132.5 SSA 15.7
 EL1 3079.1 EL2 76.5 ALF 179.64

LAUNCH DATE JUN 1 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 497.341

RL 151.69 LAL .00 LOL 249.83 VL 26.748 GAL 2.57 AZL 93.02 HCA 227.31 SMA 128.31 ECC .18751 INC 3.0152 V1 29.371
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.879 GAP 5.47 AZP 87.95 TAL 168.72 TAP 36.03 RCA 104.25 APO 152.37 V2 35.252
 RC 121.426 GL -26.31 GP -4.49 ZAL 72.90 ZAP 145.97 ETS 354.22 ZAE 133.62 ETE 183.88 ZAC 114.81 ETC 14.51 CLP-146.23

PLANETOCENTRIC CONIC

C3 10.057 VHL 3.171 DLA -23.60 RAL 167.97 RAD 6567.4 VEL 11.465 PTH 1.99 VHP 4.427 DPA 9.99 RAP 152.57 ECC 1.1655
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 58 1217.79 10.66 343.93 21.70 116.39 9 54 16 617.8 14.12 336.96
 90.00 14 19 54 5552.53 28.30 258.71 26.27 91.16 15 52 26 4952.5 28.16 250.05
 100.00 10 36 31 1015.86 9.26 328.35 20.96 118.55 10 53 27 415.9 13.00 321.56
 100.00 16 0 1 5229.70 29.87 234.96 26.27 88.88 17 27 11 4629.7 29.40 226.19
 110.00 11 7 10 919.75 6.06 319.13 19.01 123.71 11 22 30 319.8 10.45 312.78
 110.00 17 45 52 4898.57 33.60 209.51 25.97 83.30 19 7 30 4298.6 32.31 200.52

DIFFERENTIAL CORRECTIONS

TDE-1.7462 TRA .8670 TC3-5.8351 BAU .7872
 RDE .0353 RRA .1215 RC3 -.4749 FAU .08529
 FDE-2.7832 FRA 1.9305 FC3-7.3420 B8P 16179
 BDE 1.7465 BRA .8754 BC3 5.8544 F8P -2209

MID-COURSE EXECUTION ACCURACY

SGT 5154.7 SGR 390.1 SG3 677.3
 RRT .6580 RRF .6520 RTF .9800
 SGB 5169.5 R23 .0067 R13 .9801
 SG1 5161.1 SG2 293.4 THA 2.86

ORBIT DETERMINATION ACCURACY

ST 3198.1 SR 96.5 SS 1973.0
 CRT -.5290 CRS .4766 CST -.9980
 LSA 3756.6 MSA 132.7 SSA 16.3
 EL1 3198.5 EL2 81.9 ALF 179.09

LAUNCH DATE JUN 1 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 503.400

RL 151.69 LAL .00 LOL 249.83 VL 26.722 GAL 2.83 AZL 93.05 HCA 230.56 SMA 128.14 ECC .19008 INC 3.0538 V1 29.371
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.864 GAP 5.86 AZP 88.06 TAL 167.79 TAP 38.35 RCA 103.79 APO 152.50 V2 35.255
 RC 123.648 GL -26.02 GP -4.11 ZAL 71.11 ZAP 148.12 ETS 354.21 ZAE 132.55 ETE 183.54 ZAC 113.63 ETC 14.58 CLP-148.35

PLANETOCENTRIC CONIC

C3 10.507 VHL 3.241 DLA -24.10 RAL 169.85 RAD 6567.4 VEL 11.485 PTH 2.00 VHP 4.605 DPA 9.97 RAP 153.78 ECC 1.1729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 17 1199.19 11.22 342.85 24.38 116.17 10 9 16 599.2 14.65 335.85
 90.00 14 19 33 5588.73 28.22 261.36 28.97 92.49 15 52 41 4988.7 28.26 252.69
 100.00 10 50 34 1001.33 9.73 327.53 23.60 118.41 11 7 16 401.3 13.45 320.72
 100.00 16 0 56 5261.82 29.89 237.35 29.02 90.13 17 28 38 4661.8 29.59 228.56
 110.00 11 19 20 911.13 6.38 318.67 21.57 123.65 11 34 31 311.1 10.76 312.32
 110.00 17 48 40 4924.78 33.79 211.53 28.80 84.49 19 10 45 4324.8 32.66 202.48

DIFFERENTIAL CORRECTIONS

TDE-1.8403 TRA .9819 TC3-5.7413 BAU .8089
 RDE .0533 RRA .1236 RC3 -.4401 FAU .07835
 FDE-2.8523 FRA 1.9240 FC3-6.4554 B8P 16663
 BDE 1.8411 BRA .9896 BC3 5.7581 F8P -2066

MID-COURSE EXECUTION ACCURACY

SGT 5296.2 SGR 384.2 SG3 631.2
 RRT .5949 RRF .5857 RTF .9798
 SGB 5310.1 R23 .0011 R13 .9798
 SG1 5301.2 SG2 308.5 THA 2.48

ORBIT DETERMINATION ACCURACY

ST 3304.4 SR 118.8 SS 1918.1
 CRT -.6742 CRS .6295 CST -.9981
 LSA 3820.2 MSA 133.5 SSA 16.8
 EL1 3305.4 EL2 87.7 ALF 178.61

LAUNCH DATE JUN 1 1967

FLIGHT TIME 182.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 509.435

RL 151.69 LAL .00 LOL 249.83 VL 26.696 GAL 3.09 AZL 93.09 MCA 233.80 SMA 127.97 ECC .19284 INC 3.0889 V1 29.371
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.847 GAP 6.25 AZP 88.17 TAL 166.84 TAP 40.64 RCA 103.29 APO 152.65 V2 35.257
 RC 125.861 GL -25.66 GP -3.78 ZAL 69.29 ZAP 150.13 ETS 354.17 ZAE 131.59 ETE 183.26 ZAC 112.34 ETC 14.60 CLP-150.35

PLANETOCENTRIC CONIC

C3 11.007 VHL 3.318 DLA -24.56 RAL 171.79 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 4.789 DPA 9.85 RAP 155.08 ECC 1.1812
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 4 27 1182.81 11.71 341.90 27.16 115.97 10 24 10 582.8 15.11 334.87
 90.00 14 19 50 5624.07 28.09 263.93 31.77 93.77 15 53 34 5024.1 28.31 255.27
 100.00 11 4 27 989.13 10.12 326.84 26.34 118.28 11 20 56 389.1 13.82 320.01
 100.00 16 2 31 5292.98 29.86 239.66 31.86 91.35 17 30 44 4693.0 29.73 230.86
 110.00 11 31 22 904.70 6.63 318.33 24.22 123.61 11 46 26 304.7 11.00 311.97
 110.00 17 52 5 4950.18 33.94 213.50 31.74 85.64 19 14 35 4350.2 32.96 204.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9287 TRA 1.1096 TC3-5.6065 BAU .8272 SGT 5419.7 SGR 381.7 SG3 587.8 ST 3392.1 SR 142.9 SS 1857.7
 RDE .0713 RRA .1261 RC3 -.4075 FAU .07164 RRT .5319 RRF .5200 RTF .9793 CRT -.7513 CRS .7118 CST -.9982
 FDE-2.5203 FRA 1.9251 FC3-5.6348 BSP 17029 SGB 5433.1 R23 -.0032 R13 .9793 LSA 3867.7 MSA 135.4 SSA 17.2
 BDE 1.9301 BRA 1.1167 BC3 5.6213 FSP -1922 SG1 5423.5 SG2 323.0 THA 2.15 EL1 3393.8 EL2 94.2 ALF 178.19

LAUNCH DATE JUN 1 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 515.446

RL 151.69 LAL .00 LOL 249.83 VL 26.669 GAL 3.38 AZL 93.12 MCA 237.05 SMA 127.79 ECC .19580 INC 3.1213 V1 29.371
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.830 GAP 6.65 AZP 88.30 TAL 165.85 TAP 42.91 RCA 102.77 APO 152.81 V2 35.258
 RC 128.066 GL -25.23 GP -3.49 ZAL 67.44 ZAP 152.03 ETS 354.10 ZAE 130.72 ETE 183.04 ZAC 110.94 ETC 14.59 CLP-152.23

PLANETOCENTRIC CONIC

C3 11.565 VHL 3.401 DLA -24.96 RAL 173.77 RAD 6567.4 VEL 11.531 PTH 2.01 VHP 4.980 DPA 9.64 RAP 156.48 ECC 1.1903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 19 24 1168.82 12.12 341.08 30.03 115.79 10 38 53 568.8 15.49 334.03
 90.00 14 20 44 5658.51 27.91 266.44 34.64 95.02 15 55 2 5058.5 28.31 257.79
 100.00 11 18 4 979.40 10.43 326.29 29.16 118.17 11 34 24 379.4 14.12 319.44
 100.00 16 4 45 5323.17 29.80 241.91 34.79 92.53 17 33 28 4723.2 29.83 233.10
 110.00 11 43 13 900.53 6.78 318.11 26.95 123.58 11 58 13 300.5 11.15 311.74
 110.00 17 56 5 4974.80 34.05 215.42 34.76 86.77 19 19 0 4374.8 33.23 206.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0190 TRA 1.2431 TC3-5.4600 BAU .8462 SGT 5540.6 SGR 381.6 SG3 548.7 ST 3473.2 SR 166.5 SS 1801.4
 RDE .0891 RRA .1285 RC3 -.3778 FAU .06579 RRT .4708 RRF .4563 RTF .9790 CRT -.7956 CRS .7601 CST -.9983
 FDE-2.4018 FRA 1.9207 FC3-4.9251 BSP 17452 SGB 5553.8 R23 -.0072 R13 .9790 LSA 3913.7 MSA 137.3 SSA 17.4
 BDE 2.0209 BRA 1.2498 BC3 5.4731 FSP -1802 SG1 5543.6 SG2 336.5 THA 1.86 EL1 3475.7 EL2 100.8 ALF 177.81

LAUNCH DATE JUN 1 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 521.430

RL 151.69 LAL .00 LOL 249.83 VL 26.642 GAL 3.68 AZL 93.15 MCA 240.30 SMA 127.61 ECC .19898 INC 3.1514 V1 29.371
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.811 GAP 7.05 AZP 88.44 TAL 164.85 TAP 45.15 RCA 102.22 APO 153.00 V2 35.259
 RC 130.261 GL -24.75 GP -3.24 ZAL 65.58 ZAP 153.82 ETS 354.00 ZAE 129.94 ETE 182.86 ZAC 109.46 ETC 14.55 CLP-154.01

PLANETOCENTRIC CONIC

C3 12.189 VHL 3.491 DLA -25.32 RAL 175.80 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 5.177 DPA 9.35 RAP 157.96 ECC 1.2006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 34 2 1157.41 12.46 340.41 32.98 115.64 10 53 19 557.4 15.81 333.34
 90.00 14 22 16 5691.98 27.68 268.86 37.59 96.21 15 57 8 5092.0 28.25 260.24
 100.00 11 31 22 972.26 10.66 325.88 32.06 118.09 11 47 35 372.3 14.34 319.02
 100.00 16 7 36 5352.37 29.69 244.07 37.79 93.66 17 36 49 4752.4 29.88 235.27
 110.00 11 54 49 898.68 6.85 318.01 29.76 123.57 12 9 48 298.7 11.22 311.64
 110.00 18 0 39 4998.70 34.12 217.28 37.86 87.87 19 23 57 4398.7 33.45 208.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1078 TRA 1.3868 TC3-5.2892 BAU .8637 SGT 5652.0 SGR 383.1 SG3 512.7 ST 3542.5 SR 189.7 SS 1745.0
 RDE .1070 RRA .1309 RC3 -.3493 FAU .06034 RRT .4116 RRF .3947 RTF .9786 CRT -.8228 CRS .7903 CST -.9984
 FDE-2.2897 FRA 1.9186 FC3-4.2857 BSP 17851 SGB 5664.9 R23 -.0106 R13 .9786 LSA 3951.0 MSA 139.9 SSA 17.5
 BDE 2.1105 BRA 1.3930 BC3 5.3007 FSP -1692 SG1 5654.2 SG2 349.0 THA 1.60 EL1 3545.9 EL2 107.7 ALF 177.47

LAUNCH DATE JUN 1 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 527.386

RL 151.69 LAL .00 LOL 249.83 VL 26.614 GAL 4.00 AZL 93.18 MCA 243.55 SMA 127.43 ECC .20239 INC 3.1796 V1 29.371
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.791 GAP 7.46 AZP 88.58 TAL 163.82 TAP 47.37 RCA 101.64 APO 153.22 V2 35.259
 RC 132.447 GL -24.22 GP -3.02 ZAL 63.70 ZAP 155.52 ETS 353.87 ZAE 129.24 ETE 182.71 ZAC 107.90 ETC 14.49 CLP-155.70

PLANETOCENTRIC CONIC

C3 12.886 VHL 3.590 DLA -25.63 RAL 177.86 RAD 6567.5 VEL 11.588 PTH 2.03 VHP 5.381 DPA 9.00 RAP 159.51 ECC 1.2121
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 48 14 1148.81 12.71 339.91 36.00 115.52 11 7 23 548.8 16.04 332.82
 90.00 14 24 27 5724.33 27.42 271.19 40.61 97.35 15 59 52 5124.3 28.16 262.60
 100.00 11 44 16 967.86 10.80 325.63 35.02 118.04 12 0 24 367.9 14.47 318.76
 100.00 16 11 6 5380.51 29.55 246.15 40.87 94.75 17 40 47 4780.5 29.89 237.36
 110.00 12 6 9 899.23 6.83 318.04 32.62 123.58 12 21 8 299.2 11.20 311.67
 110.00 18 5 43 5021.91 34.17 219.09 41.04 88.94 19 29 25 4421.9 33.64 209.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1944 TRA 1.5414 TC3-5.0970 BAU .8799 SGT 5753.6 SGR 385.8 SG3 479.3 ST 3598.5 SR 212.2 SS 1687.7
 RDE .1253 RRA .1330 RC3 -.3219 FAU .05529 RRT .3549 RRF .3362 RTF .9783 CRT -.8405 CRS .8101 CST -.9985
 FDE-2.1824 FRA 1.9185 FC3-3.7148 BSP 18206 SGB 5766.5 R23 -.0133 R13 .9782 LSA 3977.7 MSA 143.1 SSA 17.5
 BDE 2.1980 BRA 1.5471 BC3 5.1072 FSP -1588 SG1 5755.2 SG2 360.5 THA 1.37 EL1 3603.0 EL2 114.8 ALF 177.16

LAUNCH DATE JUN 1 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 533.312

RL 151.69 LAL .00 LOL 249.83 VL 26.585 GAL 4.34 AZL 93.21 HCA 246.79 SMA 127.24 ECC .20604 INC 3.2062 V1 29.371
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.770 GAP 7.88 AZP 88.74 TAL 162.77 TAP 49.57 RCA 101.03 APO 153.46 V2 35.258
 RC 134.624 GL -23.64 GP -2.82 ZAL 61.82 ZAP 157.14 ETS 353.70 ZAE 128.60 ETE 182.57 ZAC 106.26 ETC 14.42 CLP-157.31

PLANETOCENTRIC CONIC

C3 13.669 VML 3.697 DLA -25.89 RAL 179.93 RAD 6567.5 VEL 11.621 PTH 2.04 VHP 5.592 DPA 8.57 RAP 161.13 ECC 1.2250
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 1 53 1143.30 12.87 339.58 39.08 115.44 11 20 56 543.3 16.19 332.48
 90.00 14 27 20 5755.39 27.13 273.42 43.69 98.43 16 3 16 5155.4 28.02 264.86
 100.00 11 56 40 966.39 10.85 325.55 38.04 118.02 12 12 47 366.4 14.52 318.68
 100.00 16 15 14 5407.53 29.38 248.14 44.00 95.78 17 45 22 4807.5 29.87 239.37
 110.00 12 17 7 902.24 6.72 318.20 35.55 123.60 12 32 9 302.2 11.09 311.83
 110.00 18 11 17 5044.45 34.18 220.85 44.29 89.98 19 35 21 4444.4 33.80 211.63

DIFFERENTIAL CORRECTIONS

TDE-2.2801 TRA 1.7063 TC3-4.8879 BAU .8948
 RDE .1439 RRA .1348 RC3 -.2953 FAU .05064
 FDE-2.0820 FRA 1.9189 FC3-3.2077 BSP 18549
 BDE 2.2847 BRA 1.7116 BC3 4.8968 FSP -1493

MID-COURSE EXECUTION ACCURACY

SGT 5847.1 SGR 389.0 SG3 448.6
 RRT .3006 RRF .2802 RTF .9779
 SGB 5860.0 R23 -.0157 R13 .9779
 SG1 5848.2 SG2 371.0 THA 1.15

ORBIT DETERMINATION ACCURACY

ST 3643.6 SR 233.7 SS 1631.3
 CRT -.8524 CRS .8237 CST -.9985
 LSA 3996.2 MSA 146.8 SSA 17.4
 EL1 3649.0 EL2 122.1 ALF 176.87

LAUNCH DATE JUN 1 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 539.207

RL 151.69 LAL .00 LOL 249.83 VL 26.556 GAL 4.70 AZL 93.23 HCA 250.04 SMA 127.06 ECC .20995 INC 3.2316 V1 29.371
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.748 GAP 8.30 AZP 88.90 TAL 161.71 TAP 51.75 RCA 100.38 APO 153.73 V2 35.256
 RC 136.791 GL -23.03 GP -2.65 ZAL 59.95 ZAP 158.69 ETS 353.50 ZAE 128.03 ETE 182.46 ZAC 104.56 ETC 14.33 CLP-158.84

PLANETOCENTRIC CONIC

C3 14.547 VML 3.814 DLA -26.11 RAL 182.01 RAD 6567.6 VEL 11.659 PTH 2.05 VHP 5.812 DPA 8.10 RAP 162.79 ECC 1.2394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 14 52 1141.16 12.94 339.46 42.20 115.41 11 33 53 541.2 16.25 332.35
 90.00 14 30 57 5784.94 26.82 275.52 46.82 99.44 16 7 22 5184.9 27.85 267.01
 100.00 12 8 30 967.99 10.80 325.64 41.10 118.04 12 24 38 368.0 14.47 318.77
 100.00 16 20 0 5433.35 29.19 250.04 47.20 96.76 17 50 33 4833.4 29.82 241.29
 110.00 12 27 41 907.78 6.51 318.49 38.51 123.63 12 42 49 307.8 10.89 312.13
 110.00 18 17 18 5066.33 34.17 222.56 47.60 90.99 19 41 45 4466.3 33.93 213.32

DIFFERENTIAL CORRECTIONS

TDE-2.3613 TRA 1.8861 TC3-4.6535 BAU .9065
 RDE .1631 RRA .1363 RC3 -.2694 FAU .04614
 FDE-1.9835 FRA 1.9244 FC3-2.7459 BSP 18783
 BDE 2.3669 BRA 1.8910 BC3 4.6613 FSP -1398

MID-COURSE EXECUTION ACCURACY

SGT 5927.9 SGR 392.7 SG3 420.0
 RRT .2489 RRF .2274 RTF .9773
 SGB 5940.8 R23 -.0174 R13 .9773
 SG1 5928.7 SG2 380.3 THA .95

ORBIT DETERMINATION ACCURACY

ST 3672.9 SR 254.5 SS 1573.1
 CRT -.8600 RS .8325 CST -.9986
 LSA 4000.9 MSA 151.4 SSA 17.3
 EL1 3679.5 EL2 129.6 ALF 176.59

LAUNCH DATE JUN 1 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 545.068

RL 151.69 LAL .00 LOL 249.83 VL 26.527 GAL 5.09 AZL 93.26 HCA 253.29 SMA 126.87 ECC .21415 INC 3.2559 V1 29.371
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.725 GAP 8.74 AZP 89.06 TAL 160.63 TAP 53.92 RCA 99.70 APO 154.03 V2 35.254
 RC 138.949 GL -22.38 GP -2.50 ZAL 58.08 ZAP 160.16 ETS 353.26 ZAE 127.50 ETE 182.36 ZAC 102.80 ETC 14.23 CLP-160.31

PLANETOCENTRIC CONIC

C3 15.532 VML 3.941 DLA -26.28 RAL 184.09 RAD 6567.6 VEL 11.701 PTH 2.06 VHP 6.040 DPA 7.57 RAP 164.51 ECC 1.2556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 27 4 1142.70 12.89 339.55 45.35 115.43 11 46 7 542.7 16.21 332.45
 90.00 14 35 20 5812.77 26.49 277.50 50.01 100.38 16 12 13 5212.8 27.66 269.02
 100.00 12 19 40 972.80 10.65 325.91 44.20 118.10 12 35 53 372.8 14.32 319.05
 100.00 16 25 24 5457.90 28.98 251.83 50.45 97.69 17 56 22 4857.9 29.74 243.11
 110.00 12 37 48 915.89 6.20 318.92 41.51 123.68 12 53 4 315.9 10.59 312.57
 110.00 18 23 46 5087.58 34.13 224.22 50.97 91.98 19 48 33 4487.6 34.03 214.98

DIFFERENTIAL CORRECTIONS

TDE-2.4454 TRA 2.0738 TC3-4.4189 BAU .9190
 RDE .1828 RRA .1370 RC3 -.2445 FAU .04217
 FDE-1.8953 FRA 1.9270 FC3-2.3502 BSP 19085
 BDE 2.4522 BRA 2.0783 BC3 4.4256 FSP -1317

MID-COURSE EXECUTION ACCURACY

SGT 6006.3 SGR 396.4 SG3 393.9
 RRT .1989 RRF .1765 RTF .9770
 SGB 6019.4 R23 -.0191 R13 .9770
 SG1 6006.8 SG2 388.4 THA .76

ORBIT DETERMINATION ACCURACY

ST 3696.9 SR 274.0 SS 1519.1
 CRT -.8656 CRS .8392 CST -.9986
 LSA 4003.1 MSA 156.0 SSA 17.0
 EL1 3704.5 EL2 136.9 ALF 176.32

LAUNCH DATE JUN 1 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 550.891

RL 151.69 LAL .00 LOL 249.83 VL 26.497 GAL 5.49 AZL 93.28 HCA 256.54 SMA 126.67 ECC .21865 INC 3.2794 V1 29.371
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.702 GAP 9.19 AZP 89.24 TAL 159.54 TAP 56.08 RCA 98.98 APO 154.37 V2 35.251
 RC 141.095 GL -21.71 GP -2.36 ZAL 56.24 ZAP 161.58 ETS 352.98 ZAE 127.03 ETE 182.27 ZAC 100.99 ETC 14.14 CLP-161.73

PLANETOCENTRIC CONIC

C3 16.641 VML 4.079 DLA -26.41 RAL 186.15 RAD 6567.7 VEL 11.748 PTH 2.07 VHP 6.277 DPA 6.99 RAP 166.27 ECC 1.2739
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 38 21 1148.14 12.73 339.87 48.53 115.51 11 57 29 548.1 16.06 332.78
 90.00 14 40 32 5838.68 26.16 279.32 53.25 101.24 16 17 50 5238.7 27.45 270.89
 100.00 12 30 8 980.92 10.39 326.38 47.32 118.19 12 46 29 380.9 14.07 319.53
 100.00 16 31 26 5481.14 28.75 253.52 53.75 98.55 18 2 47 4881.1 29.64 244.83
 110.00 12 47 27 926.59 5.80 319.49 44.54 123.75 13 2 53 326.6 10.19 313.15
 110.00 18 30 37 5108.23 34.07 225.83 54.38 92.93 19 55 45 4508.2 34.10 216.58

DIFFERENTIAL CORRECTIONS

TDE-2.5284 TRA 2.2745 TC3-4.1726 BAU .9296
 RDE .2031 RRA .1371 RC3 -.2205 FAU .03842
 FDE-1.8127 FRA 1.9315 FC3-1.9990 BSP 19356
 BDE 2.5366 BRA 2.2786 BC3 4.1784 FSP -1242

MID-COURSE EXECUTION ACCURACY

SGT 6076.4 SGR 399.9 SG3 369.8
 RRT .1508 RRF .1276 RTF .9766
 SGB 6089.6 R23 -.0205 R13 .9766
 SG1 6076.7 SG2 395.4 THA .57

ORBIT DETERMINATION ACCURACY

ST 3710.4 SR 292.5 SS 1466.4
 CRT -.8693 CRS .8439 CST -.9987
 LSA 3997.1 MSA 160.8 SSA 16.7
 EL1 3719.1 EL2 144.2 ALF 176.07

LAUNCH DATE JUN 1 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 556.674

RL 151.69 LAL .00 LOL 249.83 VL 26.467 GAL 5.92 AZL 93.30 HCA 259.78 SMA 126.48 ECC .22348 INC 3.3023 V1 29.371
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.677 GAP 9.65 AZP 89.41 TAL 158.44 TAP 58.22 RCA 98.22 APO 154.75 V2 35.247
 RC 143.232 GL -21.01 GP -2.24 ZAL 54.42 ZAP 162.95 ETS 352.65 ZAE 126.59 ETE 182.18 ZAC 99.14 ETC 14.04 CLP-163.09

PLANETOCENTRIC CONIC

C3 17.888 VHL 4.229 DLA -26.50 RAL 188.20 RAD 6567.7 VEL 11.801 PTH 2.09 VHP 6.525 DPA 6.38 RAP 168.06 ECC 1.2944
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 48 39 1157.70 12.45 340.43 51.71 115.64 12 7 57 557.7 15.80 333.36
 90.00 14 46 33 5862.54 25.84 280.99 56.53 102.01 16 24 16 5262.5 27.23 272.60
 100.00 12 39 50 992.40 10.02 327.03 50.45 118.31 12 56 22 392.4 13.72 320.20
 100.00 16 38 4 5503.07 28.52 255.11 57.10 99.36 18 9 47 4903.1 29.52 246.45
 110.00 12 56 34 939.89 5.30 320.19 47.58 123.82 13 12 14 339.9 9.70 313.87
 110.00 18 37 49 5128.35 33.99 227.40 57.84 93.85 20 3 18 4528.3 34.15 218.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6109 TRA 2.4880 TC3-3.9205 BAU .9388 SGT 6139.3 SGR 403.3 SG3 347.4 ST 3714.4 SR 309.8 SS 1414.9
 RDE .2240 RRA .1364 RC3 -.1975 FAU .03495 RRT .1042 RRF .0808 RTF .9763 CRT -.8717 CRS .8470 CST -.9988
 FDE-1.7348 FRA 1.9374 FC3-1.6913 BSP 19605 SGB 6152.6 R23 -.0214 R13 .9762 LSA 3983.3 MSA 165.9 SSA 16.4
 BDE 2.6205 BRA 2.4918 BC3 3.9254 FSP -1172 SG1 6139.5 SG2 401.1 THA .39 EL1 3724.2 EL2 151.4 ALF 175.84

LAUNCH DATE JUN 1 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 562.413

RL 151.69 LAL .00 LOL 249.83 VL 26.437 GAL 6.37 AZL 93.32 HCA 263.03 SMA 126.29 ECC .22866 INC 3.3247 V1 29.371
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.651 GAP 10.12 AZP 89.60 TAL 157.33 TAP 60.36 RCA 97.41 APO 155.17 V2 35.243
 RC 145.356 GL -20.30 GP -2.14 ZAL 52.62 ZAP 164.27 ETS 352.27 ZAE 126.18 ETE 182.10 ZAC 97.24 ETC 13.95 CLP-164.41

PLANETOCENTRIC CONIC

C3 19.294 VHL 4.392 DLA -26.55 RAL 190.22 RAD 6567.8 VEL 11.861 PTH 2.10 VHP 6.784 DPA 5.72 RAP 169.89 ECC 1.3175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 57 54 1171.44 12.04 341.24 54.89 115.82 12 17 25 571.4 15.42 334.19
 90.00 14 53 25 5884.30 25.52 282.51 59.85 102.71 16 31 29 5284.3 27.02 274.16
 100.00 12 48 44 1007.26 9.53 327.87 53.58 118.47 13 5 31 407.3 13.26 321.07
 100.00 16 45 16 5523.71 28.28 256.60 60.48 100.10 18 17 20 4923.7 29.39 247.97
 110.00 13 5 8 955.76 4.69 321.02 50.63 123.90 13 21 4 355.8 9.11 314.72
 110.00 18 45 21 5147.98 33.89 228.92 61.33 94.75 20 11 9 4548.0 34.18 219.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6900 TRA 2.7185 TC3-3.6573 BAU .9445 SGT 6192.6 SGR 406.3 SG3 326.6 ST 3706.2 SR 325.9 SS 1363.5
 RDE .2457 RRA .1347 RC3 -.1755 FAU .03156 RRT .0594 RRF .0363 RTF .9758 CRT -.8727 CRS .8486 CST -.9988
 FDE-1.6593 FRA 1.9471 FC3-1.4162 BSP 19752 SGB 6205.9 R23 -.0219 R13 .9758 LSA 3958.7 MSA 171.5 SSA 16.1
 BDE 2.7012 BRA 2.7218 BC3 3.6615 FSP -1101 SG1 6192.6 SG2 405.6 THA .22 EL1 3717.1 EL2 158.7 ALF 175.60

LAUNCH DATE JUN 1 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 568.102

RL 151.69 LAL .00 LOL 249.83 VL 26.406 GAL 6.86 AZL 93.35 HCA 266.27 SMA 126.10 ECC .23424 INC 3.3469 V1 29.371
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.625 GAP 10.62 AZP 89.78 TAL 156.22 TAP 62.49 RCA 96.56 APO 155.63 V2 35.237
 RC 147.469 GL -19.57 GP -2.04 ZAL 50.86 ZAP 165.55 ETS 351.83 ZAE 125.81 ETE 182.03 ZAC 95.32 ETC 13.86 CLP-165.69

PLANETOCENTRIC CONIC

C3 20.879 VHL 4.569 DLA -26.56 RAL 192.20 RAD 6567.8 VEL 11.927 PTH 2.12 VHP 7.056 DPA 5.03 RAP 171.74 ECC 1.3436
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 4 1189.39 11.51 342.28 58.06 116.05 12 25 53 589.4 14.92 335.27
 90.00 15 1 4 615.92 25.22 305.96 63.21 103.33 15 11 20 15.9 26.80 297.65
 100.00 12 56 50 1025.45 8.94 328.90 56.71 118.64 13 13 55 425.5 12.70 322.12
 100.00 16 53 0 5543.14 28.04 257.99 63.89 100.80 18 25 23 4943.1 29.25 249.40
 110.00 13 13 10 974.17 3.99 321.99 53.69 123.98 13 29 24 374.2 8.43 315.70
 110.00 18 53 9 5167.18 33.77 230.41 64.85 95.62 20 19 16 4567.2 34.18 221.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7732 TRA 2.9598 TC3-3.4013 BAU .9504 SGT 6242.5 SGR 408.8 SG3 307.5 ST 3694.6 SR 340.6 SS 1316.5
 RDE .2680 RRA .1319 RC3 -.1549 FAU .02854 RRT .0152 RRF -.0075 RTF .9756 CRT -.8734 CRS .8499 CST -.9988
 FDE-1.5923 FRA 1.9555 FC3-1.1835 BSP 19972 SGB 6255.9 R23 -.0224 R13 .9756 LSA 3932.9 MSA 176.6 SSA 15.7
 BDE 2.7861 BRA 2.9827 BC3 3.4048 FSP -1042 SG1 6242.5 SG2 408.8 THA .06 EL1 3706.6 EL2 165.4 ALF 175.39

LAUNCH DATE JUN 1 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 573.737

RL 151.69 LAL .00 LOL 249.83 VL 26.376 GAL 7.37 AZL 93.37 HCA 269.52 SMA 125.90 ECC .24024 INC 3.3688 V1 29.371
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.598 GAP 11.13 AZP 89.97 TAL 155.10 TAP 64.62 RCA 95.66 APO 156.15 V2 35.231
 RC 149.570 GL -18.83 GP -1.95 ZAL 49.14 ZAP 166.79 ETS 351.31 ZAE 125.45 ETE 181.96 ZAC 93.36 ETC 13.78 CLP-166.94

PLANETOCENTRIC CONIC

C3 22.670 VHL 4.761 DLA -26.53 RAL 194.14 RAD 6567.9 VEL 12.002 PTH 2.14 VHP 7.341 DPA 4.32 RAP 173.61 ECC 1.3731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 13 10 1211.42 10.85 343.56 61.21 116.32 12 33 22 611.4 14.30 336.58
 90.00 15 9 28 633.64 24.93 307.18 66.61 103.88 15 20 1 33.6 26.60 298.91
 100.00 13 4 7 1046.88 8.24 330.10 59.83 118.84 13 21 34 446.9 12.03 323.36
 100.00 17 1 12 5561.45 27.80 259.30 67.33 101.45 18 33 53 4961.5 29.10 250.74
 110.00 13 20 38 995.05 3.20 323.08 56.74 124.05 13 37 13 395.1 7.65 316.82
 110.00 19 1 11 5186.05 33.64 231.86 68.40 96.47 20 27 37 4586.0 34.17 222.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8566 TRA 3.2167 TC3-3.1456 BAU .9542 SGT 6285.5 SGR 410.9 SG3 289.8 ST 3675.5 SR 353.9 SS 1271.6
 RDE .2909 RRA .1279 RC3 -.1355 FAU .02570 RRT -.0280 RRF -.0500 RTF .9754 CRT -.8734 CRS .8505 CST -.9989
 FDE-1.5298 FRA 1.9657 FC3 -.9814 BSP 20169 SGB 6298.9 R23 .0225 R13 -.9754 LSA 3901.0 MSA 181.6 SSA 15.3
 BDE 2.8714 BRA 3.2193 BC3 3.1485 FSP -985 SG1 6285.5 SG2 410.7 THA 179.89 EL1 3688.5 EL2 171.7 ALF 175.18

LAUNCH DATE JUN 1 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 579.311

RL 151.69 LAL .00 LOL 249.83 VL 26.345 GAL 7.91 AZL 93.39 MCA 272.76 SMA 125.71 ECC .24671 INC 3.3907 V1 29.371
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.570 GAP 11.67 AZP 90.16 TAL 153.99 TAP 66.75 RCA 94.70 APO 156.73 V2 35.225
 RC 151.657 GL -18.09 GP -1.87 ZAL 47.47 ZAP 168.01 ETS 350.69 ZAE 125.12 ETE 181.89 ZAC 91.37 ETC 13.72 CLP-168.15

PLANETOCENTRIC CONIC

C3 24.697 VML 4.970 DLA -26.47 RAL 196.04 RAD 6568.0 VEL 12.086 PTM 2.16 VHP 7.643 DPA 3.57 RAP 175.50 ECC 1.4064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 19 15 1237.31 10.06 345.06 64.34 116.61 12 39 52 637.3 13.56 338.12
 90.00 15 18 30 849.62 24.67 308.28 70.04 104.36 15 29 19 49.6 26.40 300.04
 100.00 13 10 37 1071.41 7.43 331.47 62.94 119.04 13 28 28 471.4 11.25 324.76
 100.00 17 9 48 5578.80 27.56 260.53 70.79 102.06 18 42 47 4978.8 28.94 252.00
 110.00 13 27 32 1018.32 2.31 324.30 59.78 124.11 13 44 30 418.3 6.77 318.05
 110.00 19 9 23 5204.65 33.49 233.29 71.97 97.31 20 36 8 4604.6 34.13 224.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9407 TRA 3.4902 TC3-2.8924 BAU .9558 SGT 6321.9 SGR 412.4 S63 273.4 ST 3649.8 SR 365.8 SS 1228.7
 RDE .3146 RRA .1227 RC3 -.1175 FAU .02301 RRT -.0705 RRF -.0913 RTF .9753 CRT -.8730 CRS .8506 CST -.9989
 FDE-1.4713 FRA 1.9780 FC3 -.8065 BSP 20337 SGB 6335.3 R23 .0223 R13 -.9753 LSA 3863.9 MSA 186.5 SSA 14.9
 BDE 2.9575 BRA 3.4923 BC3 2.8948 FSP -932 SGI 6321.9 S62 411.4 THA 179.74 EL1 3663.8 EL2 177.7 ALF 174.99

LAUNCH DATE JUN 1 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 584.817

RL 151.69 LAL .00 LOL 249.83 VL 26.314 GAL 8.50 AZL 93.41 MCA 276.00 SMA 125.52 ECC .25370 INC 3.4127 V1 29.371
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.542 GAP 12.23 AZP 90.36 TAL 152.88 TAP 68.88 RCA 93.68 APO 157.36 V2 35.217
 RC 153.730 GL -17.35 GP -1.80 ZAL 45.84 ZAP 169.20 ETS 349.94 ZAE 124.80 ETE 181.82 ZAC 89.37 ETC 13.66 CLP-169.34

PLANETOCENTRIC CONIC

C3 26.994 VML 5.196 DLA -26.38 RAL 197.88 RAD 6568.1 VEL 12.181 PTM 2.19 VHP 7.961 DPA 2.81 RAP 177.40 ECC 1.4443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 24 22 1266.77 9.16 346.75 67.44 116.91 12 45 28 666.8 12.70 339.86
 90.00 15 28 4 664.15 24.42 309.27 73.49 104.80 15 39 8 64.1 26.22 301.06
 100.00 13 16 21 1098.86 6.52 333.00 66.02 119.24 13 34 40 498.9 10.37 326.33
 100.00 17 18 45 5595.33 27.32 261.70 74.28 102.63 18 52 1 4995.3 28.79 253.21
 110.00 13 33 52 1043.89 1.33 325.63 62.81 124.16 13 51 16 443.9 5.81 319.40
 110.00 19 17 44 5223.07 33.32 234.71 75.55 98.13 20 44 47 4623.1 34.08 225.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0233 TRA 3.7845 TC3-2.6387 BAU .9530 SGT 6351.0 SGR 413.5 S63 258.1 ST 3616.0 SR 376.1 SS 1187.3
 RDE .3388 RRA .1159 RC3 -.1010 FAU .02037 RRT -.1117 RRF -.1310 RTF .9752 CRT -.8718 CRS .8498 CST -.9990
 FDE-1.4155 FRA 1.9942 FC3 -.6534 BSP 20405 SGB 6364.4 R23 .0217 R13 -.9752 LSA 3819.6 MSA 191.3 SSA 14.5
 BDE 3.0422 BRA 3.7863 BC3 2.6406 FSP -878 SGI 6351.2 S62 410.9 THA 179.58 EL1 3630.9 EL2 183.5 ALF 174.81

LAUNCH DATE JUN 1 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 590.244

RL 151.69 LAL .00 LOL 249.83 VL 26.284 GAL 9.12 AZL 93.44 MCA 279.24 SMA 125.33 ECC .26125 INC 3.4350 V1 29.371
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.513 GAP 12.83 AZP 90.55 TAL 151.78 TAP 71.02 RCA 92.59 APO 158.07 V2 35.210
 RC 155.789 GL -16.61 GP -1.73 ZAL 44.26 ZAP 170.36 ETS 349.03 ZAE 124.50 ETE 181.75 ZAC 87.35 ETC 13.61 CLP-170.52

PLANETOCENTRIC CONIC

C3 29.604 VML 5.441 DLA -26.25 RAL 199.66 RAD 6568.2 VEL 12.287 PTM 2.21 VHP 8.299 DPA 2.03 RAP 179.32 ECC 1.4872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 28 36 1299.47 8.15 348.62 70.51 117.21 12 50 15 699.5 11.73 341.78
 90.00 15 38 3 677.50 24.18 310.18 76.96 105.20 15 49 20 77.5 26.04 302.00
 100.00 13 21 32 1129.06 5.52 334.68 69.08 119.43 13 40 11 529.1 9.39 328.04
 100.00 17 27 58 5611.19 27.08 262.82 77.77 103.17 19 1 29 5011.2 28.62 254.36
 110.00 13 39 39 1071.65 .27 327.08 65.83 124.18 13 57 31 471.6 4.76 320.86
 110.00 19 26 10 5241.37 33.13 236.10 79.13 98.93 20 53 31 4641.4 34.01 226.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1120 TRA 4.0935 TC3-2.3979 BAU .9496 SGT 6375.6 SGR 414.0 S63 243.9 ST 3581.1 SR 384.8 SS 1150.2
 RDE .3637 RRA .1075 RC3 -.0860 FAU .01800 RRT -.1531 RRF -.1708 RTF .9753 CRT -.8708 CRS .8493 CST -.9990
 FDE-1.3667 FRA 2.0100 FC3 -.5265 BSP 20554 SGB 6389.1 R23 .0211 R13 -.9753 LSA 3775.8 MSA 195.3 SSA 14.2
 BDE 3.1332 BRA 4.0949 BC3 2.3994 FSP -833 SGI 6376.0 S62 409.0 THA 179.43 EL1 3596.8 EL2 188.4 ALF 174.64

LAUNCH DATE JUN 1 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 595.583

RL 151.69 LAL .00 LOL 249.83 VL 26.253 GAL 9.78 AZL 93.46 MCA 282.48 SMA 125.14 ECC .26944 INC 3.4577 V1 29.371
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.484 GAP 13.45 AZP 90.75 TAL 150.69 TAP 73.17 RCA 91.42 APO 158.86 V2 35.201
 RC 157.834 GL -15.87 GP -1.67 ZAL 42.73 ZAP 171.51 ETS 347.89 ZAE 124.20 ETE 181.68 ZAC 85.32 ETC 13.59 CLP-171.67

PLANETOCENTRIC CONIC

C3 32.577 VML 5.708 DLA -26.10 RAL 201.38 RAD 6568.3 VEL 12.408 PTM 2.24 VHP 8.660 DPA 1.23 RAP 181.24 ECC 1.5361
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 32 1 1335.08 7.03 350.64 73.54 117.50 12 54 17 735.1 10.66 343.85
 90.00 15 48 21 689.98 23.96 311.02 80.43 105.56 15 59 51 90.0 25.86 302.87
 100.00 13 25 41 1161.80 4.42 336.49 72.11 119.59 13 45 3 561.8 8.33 329.88
 100.00 17 37 22 5626.54 26.84 263.90 81.27 103.68 19 11 9 5026.5 28.45 255.47
 110.00 13 44 54 1101.49 -.87 328.63 68.82 124.17 14 3 16 501.5 3.62 322.43
 110.00 19 34 39 5259.61 32.93 237.49 82.72 99.73 21 2 18 4659.6 33.92 228.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2034 TRA 4.4229 TC3-2.1642 BAU .9431 SGT 6394.3 SGR 413.9 S63 230.7 ST 3542.0 SR 392.0 SS 1115.8
 RDE .3892 RRA .0974 RC3 -.0725 FAU .01574 RRT -.1940 RRF -.2098 RTF .9756 CRT -.8696 CRS .8486 CST -.9991
 FDE-1.3219 FRA 2.0286 FC3 -.4184 BSP 20688 SGB 6407.7 R23 .0202 R13 -.9756 LSA 3728.9 MSA 198.8 SSA 13.8
 BDE 3.2269 BRA 4.4240 BC3 2.1654 FSP -790 SGI 6394.8 S62 406.0 THA 179.28 EL1 3558.4 EL2 192.6 ALF 174.49

LAUNCH DATE JUN 1 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 600.821

RL 151.69 LAL .00 LOL 249.83 VL 26.223 GAL 10.49 AZL 93.48 HCA 285.71 SMA 124.95 ECC .27833 INC 3.4809 V1 29.371
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.454 GAP 14.12 AZP 90.94 TAL 149.62 TAP 73.33 RCA 90.17 APO 159.73 V2 35.192
 RC 159.863 GL -15.13 GP -1.62 ZAL 41.27 ZAP 172.64 ETS 346.42 ZAE 123.90 ETE 181.62 ZAC 83.29 ETC 13.57 CLP-172.82

PLANETOCENTRIC CONIC

C3 35.973 VHL 5.998 DLA -25.92 RAL 203.03 RAD 6568.4 VEL 12.544 PTH 2.27 VHP 9.044 DPA .41 RAP 183.17 ECC 1.5920
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 34 44 1373.26 5.83 352.80 76.53 117.76 12 57 37 773.3 9.50 346.05
 90.00 15 58 50 701.84 23.74 311.82 83.92 105.91 16 10 32 101.8 25.69 303.70
 100.00 13 29 21 1196.87 3.24 338.42 75.11 119.73 13 49 18 596.9 7.17 331.84
 100.00 17 46 54 5641.50 26.59 264.94 84.76 104.18 19 20 56 5041.5 28.28 256.55
 110.00 13 49 37 1133.28 -2.08 330.29 71.80 124.13 14 8 30 533.3 2.41 324.09
 110.00 19 43 8 5277.86 32.71 238.87 86.30 100.52 21 11 5 4677.9 33.82 229.80

DIFFERENTIAL CORRECTIONS

TDE-3.2979 TRA 4.7748 TC3-1.9363 BAU .9326
 RDE .4152 RRA .0854 RC3 -.0605 FAU .01358
 FDE-1.2811 FRA 2.0502 FC3 -.3268 BSP 20789
 BOE 3.3239 BRA 4.7756 BC3 1.9392 FSP -749

MID-COURSE EXECUTION ACCURACY

SGT 6407.1 SGR 413.3 SG3 218.5
 RRT -.2344 RRF -.2482 RTF .9759
 SGB 6420.4 R23 -.0191 R13 -.9760
 SG1 6407.9 SG2 401.7 THA 179.13

ORBIT DETERMINATION ACCURACY

ST 3499.3 SR 397.6 SS 1084.1
 CRT -.8683 CRS .8478 CST -.9991
 LSA 3679.3 MSA 201.8 SSA 13.4
 EL1 3516.3 EL2 196.2 ALF 174.35

LAUNCH DATE JUN 1 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 605.941

RL 151.69 LAL .00 LOL 249.83 VL 26.192 GAL 11.26 AZL 93.50 HCA 288.95 SMA 124.76 ECC .28800 INC 3.5049 V1 29.371
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.424 GAP 14.83 AZP 91.14 TAL 148.57 TAP 77.52 RCA 88.83 APO 160.70 V2 35.183
 RC 161.876 GL -14.40 GP -1.57 ZAL 39.86 ZAP 173.76 ETS 344.43 ZAE 123.60 ETE 181.55 ZAC 81.25 ETC 13.58 CLP-173.96

PLANETOCENTRIC CONIC

C3 39.863 VHL 6.314 DLA -25.71 RAL 204.62 RAD 6568.5 VEL 12.698 PTH 2.31 VHP 9.457 DPA -.41 RAP 185.09 ECC 1.6560
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 38 46 1413.71 4.54 355.08 79.49 117.98 13 0 20 813.7 8.25 348.36
 90.00 16 9 26 713.29 23.52 312.59 87.39 106.24 16 21 20 113.3 25.53 304.49
 100.00 13 32 23 1234.06 1.98 340.47 78.07 119.83 13 52 59 634.1 5.93 333.91
 100.00 17 56 30 5656.20 26.34 265.96 88.25 104.66 19 30 46 5056.2 28.10 257.60
 110.00 13 53 49 1166.90 -3.37 332.05 74.74 124.04 14 13 16 566.9 1.12 325.84
 110.00 19 51 35 5296.13 32.48 240.24 89.87 101.30 21 19 51 4696.1 33.69 231.22

DIFFERENTIAL CORRECTIONS

TDE-3.3928 TRA 5.1545 TC3-1.7180 BAU .9160
 RDE .4417 RRA .0713 RC3 -.0500 FAU .01143
 FDE-1.2424 TRA 2.0765 FC3 -.2481 BSP 20774
 BOE 3.4215 BRA 5.1550 BC3 1.7187 FSP -707

MID-COURSE EXECUTION ACCURACY

SGT 6414.0 SGR 412.1 SG3 207.1
 RRT -.2739 RRF -.2854 RTF .9764
 SGB 6427.2 R23 .0176 R13 -.9764
 SG1 6415.0 SG2 396.3 THA 178.99

ORBIT DETERMINATION ACCURACY

ST 3451.1 SR 401.4 SS 1054.3
 CRT -.8665 CRS .8464 CST -.9992
 LSA 3625.0 MSA 204.4 SSA 13.0
 EL1 3468.6 EL2 199.3 ALF 174.23

LAUNCH DATE JUN 1 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 610.924

RL 151.69 LAL .00 LOL 249.83 VL 26.162 GAL 12.09 AZL 93.53 HCA 292.18 SMA 124.58 ECC .29855 INC 3.5298 V1 29.371
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.393 GAP 15.59 AZP 91.33 TAL 147.55 TAP 79.73 RCA 87.39 APO 161.77 V2 35.172
 RC 163.875 GL -13.68 GP -1.52 ZAL 38.51 ZAP 174.87 ETS 341.59 ZAE 123.30 ETE 181.48 ZAC 79.21 ETC 13.60 CLP-175.10

PLANETOCENTRIC CONIC

C3 44.335 VHL 6.658 DLA -25.48 RAL 206.13 RAD 6568.7 VEL 12.872 PTH 2.34 VHP 9.902 DPA -1.23 RAP 187.02 ECC 1.7296
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 38 13 1456.14 3.18 357.46 82.41 118.15 13 2 29 856.1 6.92 350.77
 90.00 16 20 4 724.48 23.31 313.34 90.85 106.55 16 32 8 124.5 25.36 305.27
 100.00 13 34 52 1273.19 .65 342.61 81.00 119.89 13 56 6 673.2 4.62 336.08
 100.00 18 6 5 5670.70 26.09 266.97 91.72 105.13 19 40 36 5070.7 27.91 258.64
 110.00 13 57 29 1202.23 -4.71 333.90 77.67 123.90 14 17 32 602.2 -.23 327.69
 110.00 19 59 58 5314.42 32.23 241.61 93.42 102.07 21 28 32 4714.4 33.55 232.63

DIFFERENTIAL CORRECTIONS

TDE-3.4986 TRA 5.5554 TC3-1.5132 BAU .8973
 RDE .4688 RRA .0551 RC3 -.0410 FAU .00946
 FDE-1.2104 FRA 2.1041 FC3 -.1848 BSP 20878
 BOE 3.5299 BRA 5.5556 BC3 1.5138 FSP -672

MID-COURSE EXECUTION ACCURACY

SGT 6416.1 SGR 410.5 SG3 196.4
 RRT -.3138 RRF -.3230 RTF .9771
 SGB 6429.3 R23 .0161 R13 -.9772
 SG1 6417.4 SG2 389.6 THA 178.85

ORBIT DETERMINATION ACCURACY

ST 3404.5 SR 403.7 SS 1029.1
 CRT -.8653 CRS .8457 CST -.9992
 LSA 3573.6 MSA 205.9 SSA 12.6
 EL1 3422.5 EL2 201.3 ALF 174.12

LAUNCH DATE JUN 1 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 615.746

RL 151.69 LAL .00 LOL 249.83 VL 26.133 GAL 12.98 AZL 93.56 HCA 295.41 SMA 124.40 ECC .31009 INC 3.5558 V1 29.371
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.363 GAP 16.40 AZP 91.53 TAL 146.57 TAP 81.98 RCA 85.82 APO 162.97 V2 35.162
 RC 165.860 GL -12.97 GP -1.48 ZAL 37.24 ZAP 175.96 ETS 337.20 ZAE 122.98 ETE 181.42 ZAC 77.19 ETC 13.64 CLP-176.24

PLANETOCENTRIC CONIC

C3 49.497 VHL 7.035 DLA -25.23 RAL 207.57 RAD 6568.8 VEL 13.071 PTH 2.39 VHP 10.383 DPA -2.06 RAP 188.93 ECC 1.8146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 39 5 1500.31 1.76 359.92 85.28 118.27 13 4 5 900.3 5.52 353.27
 90.00 16 30 38 735.51 23.09 314.08 94.28 106.86 16 42 54 135.5 25.18 306.03
 100.00 13 36 46 1314.05 -.73 344.85 83.89 119.88 13 58 40 714.0 3.25 338.33
 100.00 18 15 38 5685.05 25.83 267.95 95.16 105.59 19 50 23 5085.0 27.72 259.66
 110.00 14 0 39 1239.13 -6.11 335.85 80.56 123.70 14 21 18 639.1 -1.64 329.61
 110.00 20 8 14 5332.73 31.96 242.97 96.93 102.84 21 37 7 4732.7 33.39 234.03

DIFFERENTIAL CORRECTIONS

TDE-3.6106 TRA 5.9858 TC3-1.3184 BAU .8727
 RDE .4964 RRA .0364 RC3 -.0333 FAU .00755
 FDE-1.1823 FRA 2.1360 FC3 -.1321 BSP 20943
 BOE 3.6446 BRA 5.9859 BC3 1.3188 FSP -639

MID-COURSE EXECUTION ACCURACY

SGT 6413.0 SGR 408.3 SG3 186.5
 RRT -.3533 RRF -.3603 RTF .9780
 SGB 6425.9 R23 .0144 R13 -.9780
 SG1 6414.6 SG2 381.9 THA 178.71

ORBIT DETERMINATION ACCURACY

ST 3356.0 SR 404.4 SS 1006.9
 CRT -.8641 CRS .8450 CST -.9992
 LSA 3521.0 MSA 206.6 SSA 12.2
 EL1 3374.2 EL2 202.4 ALF 174.03

LAUNCH DATE JUN 2 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 11 1967

HELIOCENTRIC CONIC

DISTANCE 148.401

RL 151.72 LAL .00 LOL 250.79 VL 20.278 GAL 7.38 AZL 93.15 HCA 55.18 SMA 99.17 ECC .54099 INC 3.1480 V1 29.366
 RP 108.94 LAP -2.58 LOP 305.94 VP 33.139 GAP -32.31 AZP 91.80 TAL 173.65 TAP 228.83 RCA 45.52 APO 152.82 V2 34.785
 RC 50.440 GL -6.58 GP .60 ZAL 75.93 ZAP 20.93 ETS 182.69 ZAE 160.66 ETE 151.08 ZAC 117.38 ETC 17.52 CLP 20.92

PLANETOCENTRIC CONIC

C3 92.918 VHL 9.639 DLA -4.03 RAL 172.76 RAD 6569.8 VEL 14.638 PTH 2.65 VHP 18.988 DPA 16.13 RAP 150.43 ECC 2.5292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 5 2463.74 -24.73 57.90 59.02 104.25 7 24 8 1863.7 -22.53 49.92
 90.00 17 41 6 5358.36 27.75 244.55 62.72 84.10 19 10 24 4758.4 26.64 236.06
 100.00 8 2 32 2207.43 -26.18 38.64 58.60 104.96 8 39 19 1607.4 -23.87 30.60
 100.00 19 4 20 5089.90 29.24 224.62 62.54 83.48 20 29 10 4489.9 28.03 216.03
 110.00 9 6 26 2007.36 -30.10 22.18 57.33 107.02 9 39 54 1407.4 -27.48 13.97
 110.00 20 16 55 4862.74 33.28 206.76 61.92 81.71 21 37 57 4262.7 31.78 197.86

DIFFERENTIAL CORRECTIONS

TDE .5155 TRA-1.2180 TC3 -.0765 BAU .1076
 RDE -.6591 RRA -.3283 RC3 .0407 FAU .01570
 FDE -.3187 FRA .4957 FC3 -.1462 BSP 2131
 BDE .8367 BRA 1.2615 BC3 .0866 FSP -82

MID-COURSE EXECUTION ACCURACY

SGT 801.5 SGR 444.8 SG3 38.9
 RRT .0291 RRF -.0283 RTF -.6399
 SGB 916.7 R23 -.0014 R13 -.6400
 SG1 801.6 SG2 444.6 THA 1.34

ORBIT DETERMINATION ACCURACY

ST 375.9 SR 396.1 SS 343.4
 CRT -.7204 CRS -.8321 CST .9824
 LSA 608.6 MSA 213.3 SSA 14.0
 EL1 506.6 EL2 203.9 ALF 132.92

LAUNCH DATE JUN 2 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 154.689

RL 151.72 LAL .00 LOL 250.79 VL 20.824 GAL 7.06 AZL 93.17 HCA 58.34 SMA 100.86 ECC .51534 INC 3.1741 V1 29.366
 RP 108.94 LAP -2.70 LOP 309.10 VP 33.474 GAP -30.71 AZP 91.67 TAL 173.26 TAP 231.60 RCA 48.88 APO 152.83 V2 34.784
 RC 49.035 GL -7.22 GP .62 ZAL 75.36 ZAP 19.36 ETS 182.80 ZAE 162.01 ETE 146.85 ZAC 115.85 ETC 17.20 CLP 19.35

PLANETOCENTRIC CONIC

C3 82.824 VHL 9.101 DLA -4.86 RAL 173.05 RAD 6569.6 VEL 14.289 PTH 2.60 VHP 18.128 DPA 15.62 RAP 151.99 ECC 2.3631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 26 2412.24 -23.82 54.40 57.15 105.78 7 30 39 1812.2 -21.43 46.55
 90.00 17 36 1 5358.59 27.75 244.57 61.46 84.11 19 5 20 4758.6 26.64 236.08
 100.00 8 9 30 2157.21 -25.25 35.20 56.70 106.55 8 45 27 1557.2 -22.74 27.30
 100.00 18 59 39 5088.84 29.23 224.55 61.28 83.44 20 24 28 4488.8 28.01 215.95
 110.00 9 12 30 1959.97 -29.11 18.85 55.32 108.76 9 45 10 1360.0 -26.27 10.81
 110.00 20 13 8 4858.85 33.24 206.47 60.66 81.53 21 34 7 4258.8 31.72 197.57

DIFFERENTIAL CORRECTIONS

TDE .5133 TRA-1.2086 TC3 -.0741 BAU .0969
 RDE -.8261 RRA -.3121 RC3 .0466 FAU .01614
 FDE -.3349 FRA .5096 FC3 -.1687 BSP 2232
 BDE .8096 BRA 1.2463 BC3 .0875 FSP -91

MID-COURSE EXECUTION ACCURACY

SGT 838.9 SGR 448.8 SG3 42.5
 RRT .0306 RRF -.0291 RTF -.6590
 SGB 951.5 R23 -.0009 R13 -.6590
 SG1 839.1 SG2 448.5 THA 1.31

ORBIT DETERMINATION ACCURACY

ST 395.9 SR 398.6 SS 363.6
 CRT -.7215 CRS -.8363 CST .9815
 LSA 632.7 MSA 217.4 SSA 14.3
 EL1 521.2 EL2 209.6 ALF 134.73

LAUNCH DATE JUN 2 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 161.037

RL 151.72 LAL .00 LOL 250.79 VL 21.331 GAL 6.74 AZL 93.20 HCA 61.51 SMA 102.52 ECC .49076 INC 3.1985 V1 29.366
 RP 108.94 LAP -2.81 LOP 312.26 VP 33.792 GAP -29.19 AZP 91.53 TAL 172.91 TAP 234.41 RCA 52.21 APO 152.84 V2 34.784
 RC 47.750 GL -7.90 GP .64 ZAL 74.89 ZAP 17.79 ETS 182.96 ZAE 163.38 ETE 141.65 ZAC 114.30 ETC 16.90 CLP 17.78

PLANETOCENTRIC CONIC

C3 73.895 VHL 8.596 DLA -5.68 RAL 173.23 RAD 6569.4 VEL 13.973 PTH 2.55 VHP 17.303 DPA 15.10 RAP 153.56 ECC 2.2161
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 25 2360.13 -22.81 50.92 55.20 107.24 7 36 45 1760.1 -20.24 43.19
 90.00 17 30 32 5358.18 27.74 244.54 60.06 84.09 18 59 50 4758.2 26.64 236.05
 100.00 8 16 5 2106.39 -24.22 31.77 54.71 108.07 8 51 11 1506.4 -21.53 24.01
 100.00 18 54 34 5087.14 29.21 224.42 59.87 83.37 20 19 21 4487.1 27.99 215.83
 110.00 9 18 10 1912.01 -28.02 15.54 53.24 110.44 9 50 2 1312.0 -24.98 7.69
 110.00 20 8 58 4854.29 33.20 206.12 59.25 81.33 21 29 53 4254.3 31.64 197.24

DIFFERENTIAL CORRECTIONS

TDE .5134 TRA-1.1922 TC3 -.0687 BAU .0859
 RDE -.5939 RRA -.2961 RC3 .0532 FAU .01665
 FDE -.3525 FRA .5231 FC3 -.1950 BSP 2381
 BDE .7850 BRA 1.2284 BC3 .0869 FSP -102

MID-COURSE EXECUTION ACCURACY

SGT 876.8 SGR 452.1 SG3 46.6
 RRT .0306 RRF -.0295 RTF -.6785
 SGB 986.5 R23 -.0013 R13 -.6786
 SG1 876.9 SG2 451.8 THA 1.23

ORBIT DETERMINATION ACCURACY

ST 417.7 SR 400.3 SS 385.1
 CRT -.7249 CRS -.8410 CST .9809
 LSA 658.9 MSA 220.4 SSA 14.5
 EL1 537.4 EL2 214.4 ALF 136.68

LAUNCH DATE JUN 2 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 167.441

RL 151.72 LAL .00 LOL 250.79 VL 21.802 GAL 6.40 AZL 93.22 HCA 64.67 SMA 104.16 ECC .46728 INC 3.2214 V1 29.366
 RP 108.94 LAP -2.91 LOP 315.42 VP 34.092 GAP -27.74 AZP 91.38 TAL 172.60 TAP 237.26 RCA 55.49 APO 152.83 V2 34.785
 RC 46.594 GL -8.62 GP .67 ZAL 74.51 ZAP 16.24 ETS 183.16 ZAE 164.72 ETE 135.20 ZAC 112.75 ETC 16.61 CLP 16.22

PLANETOCENTRIC CONIC

C3 65.994 VHL 8.124 DLA -6.50 RAL 173.32 RAD 6569.3 VEL 13.688 PTH 2.50 VHP 16.511 DPA 14.58 RAP 155.13 ECC 2.0861
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 1 2307.51 -21.71 47.46 53.17 108.64 7 42 29 1707.5 -18.96 39.86
 90.00 17 24 38 5357.30 27.74 244.47 58.51 84.06 18 53 55 4757.3 26.63 235.98
 100.00 8 22 16 2055.09 -23.10 28.38 52.65 109.52 8 56 31 1455.1 -20.23 20.76
 100.00 18 49 4 5084.96 29.20 224.26 58.33 83.29 20 13 49 4485.0 27.96 215.68
 110.00 9 23 26 1863.59 -26.82 12.28 51.09 112.03 9 54 30 1263.6 -23.59 4.61
 110.00 20 4 23 4849.22 33.14 205.73 57.69 81.11 21 25 13 4249.2 31.56 196.86

DIFFERENTIAL CORRECTIONS

TDE .5142 TRA-1.1767 TC3 -.0606 BAU .0756
 RDE -.5625 RRA -.2803 RC3 .0606 FAU .01720
 FDE -.3711 FRA .5364 FC3 -.2257 BSP 2537
 BDE .7621 BRA 1.2097 BC3 .0857 FSP -114

MID-COURSE EXECUTION ACCURACY

SGT 916.0 SGR 454.6 SG3 51.0
 RRT .0303 RRF -.0300 RTF -.6975
 SGB 1022.6 R23 -.0019 R13 -.6975
 SG1 916.1 SG2 454.3 THA 1.14

ORBIT DETERMINATION ACCURACY

ST 440.8 SR 401.2 SS 407.7
 CRT -.7290 CRS -.8459 CST .9804
 LSA 686.7 MSA 222.8 SSA 14.8
 EL1 554.6 EL2 218.3 ALF 138.69

LAUNCH DATE JUN 2 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 173.896

RL 151.72 LAL .00 LOL 250.79 VL 22.239 GAL 6.06 AZL 93.24 MCA 67.83 SMA 105.75 ECC .44490 INC 3.2432 V1 29.366
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.375 GAP -26.36 AZP 91.23 TAL 172.33 TAP 240.16 RCA 58.70 APO 152.81 V2 34.786
 RC 45.578 GL -9.37 GP .70 ZAL 74.23 ZAP 14.68 ETS 183.44 ZAE 165.94 ETE 127.20 ZAC 111.20 ETC 16.34 CLP 14.67

PLANETOCENTRIC CONIC

C3 59.002 VHL 7.681 DLA -7.32 RAL 173.30 RAD 6569.1 VEL 13.430 PTH 2.45 VHP 15.748 DPA 14.04 RAP 156.69 ECC 1.9710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 14 2254.51 -20.52 44.03 51.08 109.96 7 47 49 1654.5 -17.61 36.56
 90.00 17 18 16 5356.14 27.73 244.39 56.83 84.02 18 47 32 4756.1 26.61 235.90
 100.00 8 28 4 2003.42 -21.88 25.02 50.53 110.89 9 1 28 1403.4 -18.85 17.54
 100.00 18 43 7 5082.47 29.18 224.08 56.64 83.20 20 7 49 4482.5 27.93 215.50
 110.00 9 28 18 1814.84 -25.54 9.08 48.91 113.54 9 58 33 1214.8 -22.13 1.58
 110.00 19 59 23 4843.81 33.09 205.32 56.00 80.87 21 20 6 4243.8 31.47 196.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5155 TRA-1.1600 TC3 -.0493 BAU .0668 SGT 956.3 SGR 456.3 SG3 55.8 ST 465.1 SR 401.2 SS 431.7
 RDE -.5319 RRA -.2847 RC3 .0888 FAU .01783 RRT .0301 RRF -.0303 RTF -.7157 CRT -.7337 CRS -.8510 CST .9799
 FDE -.3912 FRA .5493 FC3 -.2616 BSP 2698 SGB 1059.6 R23 -.0024 R13 -.7157 LSA 716.3 MSA 224.3 SSA 15.0
 BDE .7407 BRA 1.1898 BC3 .0846 FSP -127 SGI 956.5 SG2 456.0 THA 1.06 EL1 573.0 EL2 221.3 ALF 140.71

LAUNCH DATE JUN 2 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 180.397

RL 151.72 LAL .00 LOL 250.79 VL 22.645 GAL 5.72 AZL 93.26 MCA 70.99 SMA 107.31 ECC .42362 INC 3.2641 V1 29.366
 RP 108.93 LAP -3.09 LOP 321.75 VP 34.641 GAP -25.05 AZP 91.06 TAL 172.11 TAP 243.10 RCA 61.85 APO 152.77 V2 34.788
 RC 44.711 GL -10.17 GP .73 ZAL 74.06 ZAP 13.13 ETS 183.82 ZAE 166.94 ETE 117.42 ZAC 109.64 ETC 16.07 CLP 13.11

PLANETOCENTRIC CONIC

C3 52.816 VHL 7.267 DLA -8.13 RAL 173.18 RAD 6568.9 VEL 13.198 PTH 2.41 VHP 15.015 DPA 13.50 RAP 158.25 ECC 1.8692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 4 2201.27 -19.24 40.64 48.93 111.18 7 52 45 1601.3 -16.19 33.29
 90.00 17 11 26 5354.87 27.72 244.30 55.02 83.97 18 40 41 4754.9 26.60 235.81
 100.00 8 33 29 1951.53 -20.59 21.71 48.36 112.17 9 6 0 1351.5 -17.40 14.36
 100.00 18 36 43 5079.85 29.16 223.89 54.83 83.10 20 1 22 4479.8 27.89 215.31
 110.00 9 32 45 1765.91 -24.17 5.94 46.68 114.94 10 2 11 1165.9 -20.60 358.61
 110.00 19 53 55 4836.23 33.02 204.90 54.19 80.63 21 14 33 4238.2 31.38 196.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5153 TRA-1.1444 TC3 -.0361 BAU .0605 SGT 999.2 SGR 457.2 SG3 61.1 ST 489.7 SR 400.5 SS 456.8
 RDE -.5023 RRA -.2495 RC3 .0777 FAU .01850 RRT .0314 RRF -.0310 RTF -.7315 CRT -.7372 CRS -.8561 CST .9791
 FDE -.4125 FRA .5623 FC3 -.3032 BSP 2808 SGB 1098.8 R23 -.0019 R13 -.7316 LSA 746.7 MSA 225.7 SSA 15.3
 BDE .7195 BRA 1.1713 BC3 .0857 FSP -141 SGI 999.3 SG2 456.9 THA 1.04 EL1 591.6 EL2 224.0 ALF 142.68

LAUNCH DATE JUN 2 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 186.939

RL 151.72 LAL .00 LOL 250.79 VL 23.022 GAL 5.38 AZL 93.28 MCA 74.15 SMA 108.83 ECC .40343 INC 3.2841 V1 29.366
 RP 108.92 LAP -3.16 LOP 324.92 VP 34.891 GAP -23.79 AZP 90.90 TAL 171.94 TAP 246.09 RCA 64.92 APO 152.73 V2 34.791
 RC 44.000 GL -11.00 GP .77 ZAL 73.99 ZAP 11.58 ETS 184.34 ZAE 167.57 ETE 105.94 ZAC 108.09 ETC 15.83 CLP 11.55

PLANETOCENTRIC CONIC

C3 47.343 VHL 6.881 DLA -8.94 RAL 172.94 RAD 6568.8 VEL 12.989 PTH 2.37 VHP 14.310 DPA 12.95 RAP 159.79 ECC 1.7791
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 30 2147.94 -17.90 37.31 46.74 112.32 7 57 18 1547.9 -14.72 30.07
 90.00 17 4 8 5353.67 27.71 244.21 53.09 83.93 18 33 22 4753.7 26.58 235.73
 100.00 8 38 29 1899.58 -19.22 18.46 46.15 113.35 9 10 9 1299.6 -15.90 11.24
 100.00 18 29 50 5077.26 29.14 223.70 52.91 83.00 19 54 27 4477.3 27.86 215.13
 110.00 9 36 48 1716.98 -22.73 2.87 44.41 116.25 10 5 25 1117.0 -19.02 355.70
 110.00 19 48 0 4832.63 32.96 204.47 52.26 80.38 21 8 33 4232.6 31.28 195.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5181 TRA-1.1248 TC3 -.0168 BAU .0564 SGT 1041.9 SGR 457.3 SG3 67.0 ST 516.7 SR 398.8 SS 483.9
 RDE -.4735 RRA -.2347 RC3 .0875 FAU .01927 RRT .0308 RRF -.0312 RTF -.7482 CRT -.7436 CRS -.8618 CST .9789
 FDE -.4360 FRA .5746 FC3 -.3524 BSP 2984 SGB 1137.9 R23 -.0026 R13 -.7483 LSA 780.4 MSA 225.7 SSA 15.5
 BDE .7019 BRA 1.1490 BC3 .0891 FSP -157 SGI 1042.1 SG2 457.0 THA .96 EL1 612.8 EL2 224.8 ALF 144.71

LAUNCH DATE JUN 2 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 193.517

RL 151.72 LAL .00 LOL 250.79 VL 23.371 GAL 5.04 AZL 93.30 MCA 77.31 SMA 110.29 ECC .38431 INC 3.3036 V1 29.366
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.126 GAP -22.59 AZP 90.73 TAL 171.82 TAP 249.14 RCA 67.91 APO 152.68 V2 34.795
 RC 43.455 GL -11.88 GP .81 ZAL 74.03 ZAP 10.02 ETS 185.07 ZAE 167.71 ETE 93.36 ZAC 106.54 ETC 15.59 CLP 9.99

PLANETOCENTRIC CONIC

C3 42.504 VHL 6.520 DLA -9.74 RAL 172.60 RAD 6568.6 VEL 12.801 PTH 2.33 VHP 13.632 DPA 12.40 RAP 161.33 ECC 1.6995
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 32 2094.69 -16.49 34.03 44.50 113.35 8 1 27 1494.7 -13.19 26.91
 90.00 16 56 20 5352.73 27.71 244.14 51.07 83.90 18 25 32 4752.7 26.57 235.66
 100.00 8 43 5 1847.74 -17.79 15.27 43.90 114.43 9 13 53 1247.7 -14.34 8.17
 100.00 18 22 28 5074.90 29.12 223.52 50.88 82.91 19 47 3 4474.9 27.83 214.96
 110.00 9 40 25 1668.21 -21.23 359.87 42.13 117.44 10 8 13 1068.2 -17.38 352.86
 110.00 19 41 37 4827.21 32.90 204.06 50.22 80.15 21 2 5 4227.2 31.19 195.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5212 TRA-1.1044 TC3 .0068 BAU .0559 SGT 1086.1 SGR 456.6 SG3 73.5 ST 545.1 SR 396.2 SS 512.7
 RDE -.4458 RRA -.2202 RC3 .0982 FAU .02012 RRT .0305 RRF -.0314 RTF -.7638 CRT -.7504 CRS -.8676 CST .9787
 FDE -.4616 FRA .5867 FC3 -.4098 BSP 3148 SGB 1178.2 R23 -.0032 R13 -.7638 LSA 816.1 MSA 224.9 SSA 15.7
 BDE .6858 BRA 1.1262 BC3 .0984 FSP -175 SGI 1086.2 SG2 456.3 THA .89 EL1 635.3 EL2 224.7 ALF 146.69

LAUNCH DATE JUN 2 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 200.126

RL 151.72 LAL .00 LOL 250.79 VL 23.695 GAL 4.71 AZL 93.32 MCA 80.48 SMA 111.71 ECC .36626 INC 3.3225 V1 29.366
 RP 108.90 LAP -3.28 LOP 331.26 VP 35.347 GAP -21.44 AZP 90.55 TAL 171.75 TAP 252.23 RCA 70.80 APO 152.63 V2 34.799
 RC 43.079 GL -12.79 GP .85 ZAL 74.18 ZAP 8.45 ETS 186.14 ZAE 167.31 ETE 80.76 ZAC 104.99 ETC 15.37 CLP 8.41

PLANETOCENTRIC CONIC

C3 38.230 VHL 6.183 DLA -10.54 RAL 172.14 RAD 6568.5 VEL 12.633 PTH 2.29 VHP 12.979 DPA 11.85 RAP 162.85 ECC 1.6292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 11 2041.68 -15.03 30.82 42.24 114.28 8 5 13 1441.7 -11.63 23.80
 90.00 16 48 1 5352.21 27.70 244.11 48.94 83.88 18 17 13 4752.2 26.56 235.62
 100.00 8 47 17 1796.19 -16.31 12.16 41.62 115.40 9 17 13 1196.2 -12.76 5.17
 100.00 18 14 37 5072.93 29.10 223.38 48.76 82.84 19 39 10 4472.9 27.80 214.82
 110.00 9 43 37 1619.78 -19.68 356.97 39.82 118.53 10 10 36 1019.8 -15.72 350.09
 110.00 19 34 46 4822.11 32.84 203.67 48.10 79.93 20 55 8 4222.1 31.10 194.88

DIFFERENTIAL CORRECTIONS

TDE .5250 TRA-1.0827 TC3 .0361 BAU .0590
 RDE -.4190 RRA -.2063 RC3 .1097 FAU .02107
 FDE -.4896 FRA .5984 FC3 -.4771 BSP 3318
 BDE .6717 BRA 1.1021 BC3 .1155 FSP -195

MID-COURSE EXECUTION ACCURACY

SGT 1131.4 SGR 455.0 SG3 80.7
 RRT .0302 RRF -.0319 RTF -.7787
 SGB 1219.5 R23 -.0038 R13 -.7787
 SG1 1131.5 SG2 454.7 THA .83

ORBIT DETERMINATION ACCURACY

ST 574.8 SR 392.7 SS 543.4
 CRT -.7578 CRS -.8736 CST .9786
 LSA 854.3 MSA 223.4 SSA 15.9
 EL1 659.3 EL2 223.4 ALF 148.63

LAUNCH DATE JUN 2 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 206.763

RL 151.72 LAL .00 LOL 250.79 VL 23.996 GAL 4.39 AZL 93.34 MCA 83.64 SMA 113.07 ECC .34924 INC 3.3411 V1 29.366
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.554 GAP -20.34 AZP 90.37 TAL 171.73 TAP 255.38 RCA 73.58 APO 152.56 V2 34.804
 RC 42.876 GL -13.74 GP .90 ZAL 74.44 ZAP 6.88 ETS 187.78 ZAE 166.38 ETE 69.23 ZAC 103.46 ETC 15.16 CLP 6.82

PLANETOCENTRIC CONIC

C3 34.456 VHL 5.870 DLA -11.34 RAL 171.56 RAD 6568.4 VEL 12.483 PTH 2.26 VHP 12.350 DPA 11.30 RAP 164.36 ECC 1.5671
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 26 1989.11 -13.54 27.69 39.95 115.11 8 8 35 1389.1 -10.04 20.75
 90.00 16 39 13 5352.27 27.70 244.11 46.74 83.88 18 8 25 4752.3 26.57 235.63
 100.00 8 51 3 1745.11 -14.79 9.12 39.32 116.27 9 20 8 1145.1 -11.14 2.23
 100.00 18 6 16 5071.51 29.09 223.28 46.56 82.78 19 30 47 4471.5 27.78 214.72
 110.00 9 46 22 1571.89 -18.10 354.16 37.50 119.51 10 12 34 971.9 -14.03 347.40
 110.00 19 27 26 4817.49 32.78 203.33 45.89 79.73 20 47 44 4217.5 31.02 194.55

DIFFERENTIAL CORRECTIONS

TDE .5296 TRA-1.0593 TC3 .0716 BAU .0652
 RDE -.3933 RRA -.1928 RC3 .1221 FAU .02213
 FDE -.5205 FRA .8098 FC3 -.5560 BSP 3493
 BDE .6597 BRA 1.0767 BC3 .1415 FSP -218

MID-COURSE EXECUTION ACCURACY

SGT 1177.4 SGR 452.5 SG3 88.6
 RRT .0301 RRF -.0324 RTF -.7928
 SGB 1261.4 R23 -.0044 R13 -.7928
 SG1 1177.5 SG2 452.3 THA .78

ORBIT DETERMINATION ACCURACY

ST 606.1 SR 388.2 SS 576.3
 CRT -.7660 CRS -.8798 CST .9786
 LSA 895.0 MSA 221.0 SSA 16.2
 EL1 685.1 EL2 220.8 ALF 150.50

LAUNCH DATE JUN 2 1967

FLIGHT TIME 90.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 213.422

RL 151.72 LAL .00 LOL 250.79 VL 24.274 GAL 4.07 AZL 93.36 MCA 86.81 SMA 114.38 ECC .33324 INC 3.3595 V1 29.366
 RP 108.87 LAP -3.35 LOP 337.59 VP 35.747 GAP -19.28 AZP 90.19 TAL 171.77 TAP 258.58 RCA 76.27 APO 152.50 V2 34.809
 RC 42.849 GL -14.73 GP .95 ZAL 74.80 ZAP 5.30 ETS 190.55 ZAE 165.03 ETE 59.41 ZAC 101.94 ETC 14.97 CLP 5.21

PLANETOCENTRIC CONIC

C3 31.129 VHL 5.579 DLA -12.12 RAL 170.88 RAD 6568.2 VEL 12.349 PTH 2.23 VHP 11.745 DPA 10.76 RAP 165.84 ECC 1.5123
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 16 1937.15 -12.02 24.63 37.63 115.83 8 11 33 1337.2 -8.44 17.77
 90.00 16 29 54 5353.07 27.71 244.17 44.47 83.91 17 59 7 4753.1 26.57 235.68
 100.00 8 54 25 1694.68 -13.25 6.17 37.00 117.04 9 22 40 1094.7 -9.52 359.37
 100.00 17 57 25 5070.77 29.08 223.22 44.28 82.76 19 21 56 4470.8 27.77 214.66
 110.00 9 48 41 1524.72 -16.50 351.44 35.17 120.37 10 14 6 924.7 -12.34 344.80
 110.00 19 19 39 4813.49 32.73 203.02 43.62 79.56 20 39 52 4213.5 30.95 194.26

DIFFERENTIAL CORRECTIONS

TDE .5351 TRA-1.0347 TC3 .1136 BAU .0735
 RDE -.3686 RRA -.1799 RC3 .1352 FAU .02331
 FDE -.5547 FRA .6210 FC3 -.6482 BSP 3664
 BDE .6498 BRA 1.0503 BC3 .1766 FSP -243

MID-COURSE EXECUTION ACCURACY

SGT 1224.5 SGR 449.2 SG3 97.5
 RRT .0300 RRF -.0331 RTF -.8060
 SGB 1304.2 R23 -.0052 R13 -.8061
 SG1 1224.5 SG2 448.9 THA .73

ORBIT DETERMINATION ACCURACY

ST 639.0 SR 382.8 SS 611.6
 CRT -.7748 CRS -.8861 CST .9787
 LSA 938.7 MSA 218.0 SSA 16.4
 EL1 712.6 EL2 217.0 ALF 152.32

LAUNCH DATE JUN 2 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 220.101

RL 151.72 LAL .00 LOL 250.79 VL 24.531 GAL 3.77 AZL 93.38 MCA 89.97 SMA 115.63 ECC .31823 INC 3.3778 V1 29.366
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.929 GAP -18.26 AZP 90.00 TAL 171.86 TAP 261.83 RCA 78.84 APO 152.43 V2 34.815
 RC 42.995 GL -15.76 GP 1.01 ZAL 75.27 ZAP 3.72 ETS 195.91 ZAE 163.38 ETE 51.37 ZAC 100.45 ETC 14.79 CLP 3.58

PLANETOCENTRIC CONIC

C3 28.199 VHL 5.310 DLA -12.90 RAL 170.08 RAD 6568.1 VEL 12.230 PTH 2.20 VHP 11.163 DPA 10.22 RAP 167.31 ECC 1.4641
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 42 1886.00 -10.48 21.66 35.31 116.46 8 14 8 1286.0 -6.84 14.86
 90.00 16 20 5 5354.70 27.72 244.29 42.13 83.97 17 49 20 4754.7 26.59 235.80
 100.00 8 57 22 1645.11 -11.70 3.31 34.67 117.70 9 24 47 1045.1 -7.90 356.58
 100.00 17 48 7 5070.83 29.08 223.23 41.95 82.76 19 12 37 4470.8 27.77 214.67
 110.00 9 50 34 1478.48 -14.89 348.82 32.83 121.13 10 15 12 878.5 -10.65 342.28
 110.00 19 11 24 4810.22 32.69 202.78 41.29 79.42 20 31 34 4210.2 30.89 194.02

DIFFERENTIAL CORRECTIONS

TDE .5414 TRA-1.0085 TC3 .1631 BAU .0833
 RDE -.3450 RRA -.1676 RC3 .1491 FAU .02463
 FDE -.5928 FRA .6315 FC3 -.7561 BSP 3840
 BDE .6420 BRA 1.0224 BC3 .2210 FSP -271

MID-COURSE EXECUTION ACCURACY

SGT 1271.8 SGR 445.0 SG3 107.3
 RRT .0301 RRF -.0339 RTF -.8186
 SGB 1347.4 R23 -.0058 R13 -.8186
 SG1 1271.9 SG2 444.7 THA .69

ORBIT DETERMINATION ACCURACY

ST 673.4 SR 376.4 SS 649.6
 CRT -.7843 CRS -.8926 CST .9789
 LSA 985.3 MSA 214.2 SSA 16.6
 EL1 741.8 EL2 212.0 ALF 154.05

LAUNCH DATE JUN 2 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 226.794

RL 151.72 LAL .00 LOL 250.79 VL 24.769 GAL 3.47 AZL 93.40 HCA 93.14 SMA 116.83 ECC .30418 INC 3.3961 V1 29.366
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.098 GAP -17.28 AZP 89.81 TAL 171.99 TAP 265.14 RCA 81.29 APO 152.36 V2 34.822
 RC 43.312 GL -16.82 GP 1.08 ZAL 75.84 ZAP 2.20 ETS 209.41 ZAE 161.57 ETE 44.92 ZAC 98.97 ETC 14.62 CLP 1.92

PLANETOCENTRIC CONIC

C3 25.623 VHL 5.062 DLA -13.66 RAL 169.17 RAD 6568.0 VEL 12.124 PTH 2.17 VHP 10.602 DPA 9.70 RAP 168.74 ECC 1.4217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 44 1835.85 -8.94 18.77 32.97 116.98 8 16 20 1235.8 -5.26 12.03
 90.00 16 9 49 5357.27 27.74 244.47 39.75 84.06 17 39 6 4757.3 26.62 235.98
 100.00 8 59 53 1596.58 -10.15 .54 32.33 118.27 9 26 30 996.6 -6.29 353.88
 100.00 17 38 20 5071.77 29.09 223.30 39.58 82.79 19 2 52 4471.8 27.79 214.73
 110.00 9 52 0 1433.36 -13.28 346.31 30.49 121.79 10 15 54 833.4 -8.98 339.85
 110.00 19 2 43 4807.76 32.66 202.59 38.92 79.31 20 22 51 4207.8 30.84 193.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5484 TRA -.9814 TC3 .2200 BAU .0939 SGT 1319.8 SGR 439.9 SG3 118.3 ST 709.2 SR 369.0 SS 690.2
 RDE -.3224 RRA -.1558 RC3 .1636 FAU .02611 RRT .0307 RRF -.0354 RTF -.8303 CRT -.7941 CRS -.8991 CST .9793
 FDE -.6350 FRA .6419 FC3 -.8823 BSP 4013 SGB 1391.2 R23 -.0067 R13 -.8303 LSA 1035.0 MSA 210.0 SSA 96.8
 BDE .6362 BRA .9937 BC3 .2741 FSP -303 SGI 1319.9 SG2 439.7 THA .66 EL1 772.5 EL2 205.9 ALF 155.72

LAUNCH DATE JUN 2 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 233.498

RL 151.72 LAL .00 LOL 250.79 VL 24.989 GAL 3.18 AZL 93.41 HCA 96.31 SMA 117.96 ECC .29106 INC 3.4146 V1 29.366
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.256 GAP -16.34 AZP 89.62 TAL 172.18 TAP 268.49 RCA 83.63 APO 152.30 V2 34.830
 RC 43.796 GL -17.91 GP 1.15 ZAL 76.52 ZAP 1.17 ETS 259.15 ZAE 159.67 ETE 39.74 ZAC 97.53 ETC 14.46 CLP .22

PLANETOCENTRIC CONIC

C3 23.361 VHL 4.833 DLA -14.41 RAL 168.16 RAD 6567.9 VEL 12.031 PTH 2.15 VHP 10.064 DPA 9.19 RAP 170.14 ECC 1.3845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 22 1786.88 -7.42 15.98 30.64 117.41 8 18 9 1186.9 -3.69 9.29
 90.00 15 59 6 5360.84 27.76 244.73 37.34 84.19 17 28 27 4760.8 26.67 236.24
 100.00 9 2 0 1549.29 -8.61 357.87 30.00 118.74 9 27 49 949.3 -4.71 351.26
 100.00 17 28 9 5073.67 29.11 223.43 37.17 82.86 18 52 42 4473.7 27.81 214.87
 110.00 9 53 0 1389.53 -11.70 343.90 28.15 122.35 10 16 10 789.5 -7.35 337.51
 110.00 18 53 38 4806.19 32.64 202.47 36.52 79.24 20 13 44 4206.2 30.82 193.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5557 TRA -.9527 TC3 .2843 BAU .1048 SGT 1367.2 SGR 433.9 SG3 130.5 ST 746.0 SR 360.6 SS 734.0
 RDE -.3008 RRA -.1446 RC3 .1785 FAU .02777 RRT .0319 RRF -.0373 RTF -.8411 CRT -.8042 CRS -.9055 CST .9797
 FDE -.6824 FRA .6519 FC3 -1.0293 BSP 4189 SGB 1434.4 R23 -.0075 R13 -.8411 LSA 1087.6 MSA 205.4 SSA 17.0
 BDE .6319 BRA .9637 BC3 .3337 FSP -339 SGI 1367.3 SG2 433.7 THA .65 EL1 804.3 EL2 198.8 ALF 157.29

LAUNCH DATE JUN 2 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 240.210

RL 151.72 LAL .00 LOL 250.79 VL 25.191 GAL 2.91 AZL 93.43 HCA 99.48 SMA 119.04 ECC .27884 INC 3.4332 V1 29.366
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.404 GAP -15.44 AZP 89.43 TAL 172.42 TAP 271.90 RCA 85.85 APO 152.23 V2 34.838
 RC 44.440 GL -19.02 GP 1.23 ZAL 77.28 ZAP 1.95 ETS 320.71 ZAE 157.79 ETE 35.58 ZAC 96.12 ETC 14.31 CLP -1.52

PLANETOCENTRIC CONIC

C3 21.379 VHL 4.624 DLA -15.15 RAL 167.05 RAD 6567.9 VEL 11.948 PTH 2.13 VHP 9.545 DPA 8.70 RAP 171.51 ECC 1.3518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 50 36 1739.29 -5.92 13.29 28.31 117.74 8 19 35 1139.3 -2.16 6.62
 90.00 15 47 59 5365.44 27.79 245.06 34.91 84.35 17 17 24 4765.4 26.72 236.56
 100.00 9 3 42 1503.42 -7.10 355.30 27.66 119.11 9 28 45 903.4 -3.17 348.73
 100.00 17 17 34 5076.54 29.13 223.64 34.74 82.97 18 42 10 4476.5 27.85 215.07
 110.00 9 53 34 1347.19 -10.15 341.61 25.82 122.82 10 16 2 747.2 -5.75 335.27
 110.00 18 44 11 4805.54 32.64 202.42 34.10 79.21 20 4 16 4205.5 30.80 193.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5657 TRA -.9218 TC3 .3585 BAU .1165 SGT 1414.8 SGR 427.1 SG3 144.2 ST 785.8 SR 351.2 SS 781.1
 RDE -.2803 RRA -.1341 RC3 .1938 FAU .02965 RRT .0326 RRF -.0400 RTF -.8520 CRT -.8156 CRS -.9119 CST .9805
 FDE -.7357 FRA .6610 FC3 -1.2007 BSP 4381 SGB 1477.9 R23 -.0094 R13 -.8520 LSA 1144.9 MSA 199.8 SSA 17.1
 BDE .6313 BRA .9315 BC3 .4075 FSP -379 SGI 1414.9 SG2 426.8 THA .62 EL1 839.4 EL2 190.2 ALF 158.84

LAUNCH DATE JUN 2 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 246.926

RL 151.72 LAL .00 LOL 250.79 VL 25.378 GAL 2.65 AZL 93.45 HCA 102.65 SMA 120.05 ECC .26749 INC 3.4522 V1 29.366
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.541 GAP -14.57 AZP 89.24 TAL 172.70 TAP 275.35 RCA 87.94 APO 152.17 V2 34.846
 RC 45.237 GL -20.15 GP 1.33 ZAL 78.13 ZAP 3.55 ETS 337.88 ZAE 155.96 ETE 32.19 ZAC 94.75 ETC 14.17 CLP -3.30

PLANETOCENTRIC CONIC

C3 19.645 VHL 4.432 DLA -15.86 RAL 165.84 RAD 6567.8 VEL 11.875 PTH 2.11 VHP 9.047 DPA 8.23 RAP 172.84 ECC 1.3233
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 52 27 1693.24 -4.46 10.70 25.99 117.99 8 20 40 1093.2 -.68 4.06
 90.00 15 36 32 5371.06 27.83 245.47 32.46 84.55 17 6 3 4771.1 26.78 236.96
 100.00 9 5 0 1459.14 -5.63 352.84 25.34 119.41 9 29 19 859.1 -1.67 346.29
 100.00 17 6 39 5080.40 29.16 223.93 32.30 83.12 18 31 20 4480.4 27.90 215.35
 110.00 9 53 44 1306.49 -8.64 339.42 23.50 123.20 10 15 30 706.5 -4.21 333.13
 110.00 18 34 25 4805.81 32.64 202.44 31.67 79.23 19 54 31 4205.8 30.81 193.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5745 TRA -.8905 TC3 .4393 BAU .1278 SGT 1461.3 SGR 419.3 SG3 159.5 ST 825.0 SR 340.7 SS 831.8
 RDE -.2607 RRA -.1242 RC3 .2094 FAU .03176 RRT .0355 RRF -.0437 RTF -.8616 CRT -.8261 CRS -.9182 CST .9811
 FDE -.7958 FRA .6697 FC3 -1.3995 BSP 4548 SGB 1520.2 R23 -.0104 R13 -.8617 LSA 1204.4 MSA 194.5 SSA 17.2
 BDE .6309 BRA .8991 BC3 .4867 FSP -424 SGI 1461.4 SG2 419.0 THA .64 EL1 874.0 EL2 181.2 ALF 160.28

LAUNCH DATE JUN 2 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 253.644

RL 151.72 LAL .00 LOL 250.79 VL 25.549 GAL 2.40 AZL 93.47 HCA 105.82 SMA 121.01 ECC .25697 INC 3.4717 V1 29.366
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.669 GAP -13.73 AZP 89.05 TAL 173.03 TAP 278.85 RCA 89.91 APO 152.11 V2 34.856
 RC 46.178 GL -21.29 GP 1.43 ZAL 79.06 ZAP 5.33 ETS 344.16 ZAE 154.25 ETE 29.43 ZAC 93.43 ETC 14.04 CLP -5.13

PLANETOCENTRIC CONIC

C3 18.133 VHL -4.258 DLA -16.56 RAL 164.55 RAD 6567.7 VEL 11.812 PTH 2.09 VHP 8.568 DPA 7.79 RAP 174.11 ECC 1.2984
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 55 1648.89 -3.03 8.21 23.69 118.17 8 21 24 1048.9 .76 1.58
 90.00 15 24 47 5377.49 27.87 245.95 30.03 84.79 16 54 25 4777.7 26.86 237.43
 100.00 9 5 55 1416.80 -4.20 350.49 23.04 119.62 9 29 31 816.6 -.23 343.96
 100.00 16 55 29 5085.21 29.20 224.28 29.87 83.30 18 20 14 4485.2 27.97 215.69
 110.00 9 53 29 1267.58 -7.18 337.35 21.20 123.51 10 14 36 667.6 -2.72 331.10
 110.00 18 24 24 4807.00 32.65 202.53 29.25 79.28 19 44 31 4207.0 30.83 193.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5837 TRA -.8589 TC3 .5247 BAW .1384 SGT 1506.7 SGR 410.8 SG3 176.6 ST 864.7 SR 329.2 SS 885.9
 RDE -.2420 RRA -.1149 RC3 .2249 FAU .03411 RRT .0395 RRF -.0490 RTF -.8701 CRT -.8364 CRS -.9241 CST .9818
 FDE -.8631 FRA .6784 FC3-1.6283 B8P 4705 SGB 1561.6 R23 -.0119 R13 -.8702 LSA 1266.8 MSA 189.3 SSA 17.3
 BDE .6318 BRA .8666 BC3 .5709 F8P -475 SGI 1506.7 SG2 410.4 THA .67 EL1 909.2 EL2 171.6 ALF 161.66

LAUNCH DATE JUN 2 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 260.380

RL 151.72 LAL .00 LOL 250.79 VL 25.707 GAL 2.16 AZL 93.49 HCA 109.00 SMA 121.91 ECC .24725 INC 3.4918 V1 29.366
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.789 GAP -12.92 AZP 88.86 TAL 173.39 TAP 282.39 RCA 91.77 APO 152.05 V2 34.865
 RC 47.255 GL -22.43 GP 1.55 ZAL 80.05 ZAP 7.20 ETS 347.26 ZAE 152.68 ETE 27.15 ZAC 92.16 ETC 13.92 CLP -7.03

PLANETOCENTRIC CONIC

C3 16.817 VHL 4.101 DLA -17.23 RAL 163.20 RAD 6567.7 VEL 11.756 PTH 2.07 VHP 8.109 DPA 7.38 RAP 175.34 ECC 1.2768
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 3 1606.38 -1.67 5.84 21.42 118.27 8 21 49 1006.4 2.13 359.21
 90.00 15 12 50 5385.27 27.92 246.50 27.61 85.06 16 42 35 4785.3 26.94 237.97
 100.00 9 6 28 1375.95 -2.83 348.25 20.77 119.77 9 29 24 776.0 1.15 341.73
 100.00 16 44 6 5090.94 29.24 224.70 27.46 83.52 18 8 57 4490.9 28.04 216.10
 110.00 9 52 51 1230.60 -5.79 335.40 18.94 123.75 10 13 22 630.6 -1.31 329.17
 110.00 18 14 12 4809.06 32.68 202.69 26.86 79.37 19 34 21 4209.1 30.87 193.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5956 TRA -.8230 TC3 .6225 BAW .1500 SGT 1550.9 SGR 401.3 SG3 196.1 ST 907.5 SR 316.6 SS 945.3
 RDE -.2241 RRA -.1063 RC3 .2403 FAU .03683 RRT .0441 RRF -.0558 RTF -.8795 CRT -.8479 CRS -.9299 CST .9828
 FDE -.9408 FRA .8853 FC3-1.8959 B8P 4905 SGB 1602.0 R23 -.0142 R13 -.8796 LSA 1335.5 MSA 183.2 SSA 17.3
 BDE .6364 BRA .8306 BC3 .6673 F8P -535 SGI 1551.0 SG2 400.9 THA .70 EL1 947.6 EL2 160.8 ALF 163.02

LAUNCH DATE JUN 2 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 267.073

RL 151.72 LAL .00 LOL 250.79 VL 25.851 GAL 1.94 AZL 93.51 HCA 112.18 SMA 122.75 ECC .23829 INC 3.5127 V1 29.366
 RP 108.66 LAP -3.25 LOP 350.1 VP 36.899 GAP -12.14 AZP 88.67 TAL 173.78 TAP 285.96 RCA 93.50 APO 152.00 V2 34.875
 RC 48.458 GL -23.57 GP 1.68 ZAL 81.09 ZAP 9.16 ETS 349.05 ZAE 151.28 ETE 25.27 ZAC 90.96 ETC 13.81 CLP -9.00

PLANETOCENTRIC CONIC

C3 15.675 VHL 3.959 DLA -17.87 RAL 161.78 RAD 6567.6 VEL 11.707 PTH 2.06 VHP 7.668 DPA 7.01 RAP 176.51 ECC 1.2580
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 55 52 1565.83 -.36 3.58 19.19 118.31 8 21 57 965.8 3.43 356.94
 90.00 15 0 45 5393.76 27.97 247.12 25.24 85.37 16 30 39 4793.8 27.03 238.58
 100.00 9 6 41 1337.29 -1.52 346.13 18.54 119.86 9 28 58 737.3 2.46 339.61
 100.00 16 32 36 5097.54 29.29 225.18 25.09 83.77 17 57 34 4497.5 28.12 216.58
 110.00 9 51 54 1195.62 -4.46 333.56 16.71 123.93 10 11 50 595.6 .03 327.34
 110.00 18 3 53 4811.97 32.72 202.91 24.51 79.49 19 24 5 4212.0 30.92 194.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6055 TRA -.7905 TC3 .7191 BAW .1599 SGT 1592.7 SGR 391.1 SG3 217.9 ST 947.7 SR 302.9 SS 1007.9
 RDE -.2070 RRA -.0984 RC3 .2555 FAU .03984 RRT .0522 RRF -.0656 RTF -.8869 CRT -.8575 CRS -.9351 CST .9836
 FDE -1.0277 FRA .6930 FC3-2.2006 B8P 5050 SGB 1640.0 R23 -.0164 R13 -.8870 LSA 1404.9 MSA 178.2 SSA 17.2
 BDE .6399 BRA .7966 BC3 .7631 F8P -600 SGI 1592.8 SG2 390.6 THA .78 EL1 983.5 EL2 150.2 ALF 164.30

LAUNCH DATE JUN 2 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 273.779

RL 151.72 LAL .00 LOL 250.79 VL 25.984 GAL 1.73 AZL 93.53 HCA 115.35 SMA 123.53 ECC .23007 INC 3.5346 V1 29.366
 RP 108.63 LAP -3.19 LOP 361.9 VP 37.002 GAP -11.38 AZP 88.48 TAL 174.20 TAP 289.55 RCA 95.11 APO 151.95 V2 34.886
 RC 49.776 GL -24.70 GP 1.83 ZAL 82.17 ZAP 11.20 ETS 350.18 ZAE 150.08 ETE 23.74 ZAC 89.83 ETC 13.71 CLP -11.05

PLANETOCENTRIC CONIC

C3 14.687 VHL 3.832 DLA -18.48 RAL 160.33 RAD 6567.6 VEL 11.665 PTH 2.08 VHP 7.245 DPA 6.69 RAP 177.61 ECC 1.2417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 24 1527.30 .89 1.43 17.01 118.30 8 21 51 927.3 4.66 354.78
 90.00 14 48 36 5403.09 28.02 247.80 22.91 85.70 16 18 39 4803.1 27.13 239.24
 100.00 9 6 37 1300.68 -.28 344.12 16.36 119.89 9 28 18 700.7 3.70 337.59
 100.00 16 21 4 5104.94 29.35 225.73 22.77 84.05 17 46 9 4504.9 28.21 217.11
 110.00 9 50 39 1162.72 -3.21 331.83 14.54 124.05 10 10 2 562.7 1.28 325.63
 110.00 17 53 31 4815.67 32.76 203.19 22.20 79.65 19 13 47 4215.7 30.99 194.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6146 TRA -.7561 TC3 .8177 BAW .1691 SGT 1630.2 SGR 380.2 SG3 242.3 ST 986.2 SR 287.9 SS 1074.6
 RDE -.1904 RRA -.0910 RC3 .2704 FAU .04325 RRT .0635 RRF -.0788 RTF -.8935 CRT -.8665 CRS -.9399 CST .9843
 FDE -1.1261 FRA .6996 FC3-2.5491 B8P 5191 SGB 1674.0 R23 -.0188 R13 -.8936 LSA 1476.4 MSA 175.6 SSA 17.1
 BDE .6434 BRA .7616 BC3 .8613 F8P -675 SGI 1630.4 SG2 379.4 THA .90 EL1 1017.8 EL2 139.3 ALF 165.53

LAUNCH DATE JUN 2 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 280.477

RL 151.72 LAL .00 LOL 250.79 VL 26.104 GAL 1.53 AZL 93.56 HCA 118.53 SMA 124.26 ECC .22253 INC 3.5577 V1 29.366
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.097 GAP -10.65 AZP 88.30 TAL 174.64 TAP 293.17 RCA 96.61 APO 151.91 V2 34.897
 RC 51.201 GL -25.81 GP 2.01 ZAL 83.27 ZAP 13.34 ETS 350.92 ZAE 149.09 ETE 22.49 ZAC 88.78 ETC 13.62 CLP -13.19

PLANETOCENTRIC CONIC

C3 13.837 VHL 3.720 DLA -19.06 RAL 158.85 RAD 6567.5 VEL 11.629 PTH 2.04 VHP 6.841 DPA 6.43 RAP 178.63 ECC 1.2277
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 42 1490.82 2.06 359.39 14.90 118.25 8 21 33 890.8 5.83 352.73
 90.00 14 36 29 5413.21 28.07 248.53 20.65 86.07 16 6 43 4813.2 27.22 239.97
 100.00 9 6 19 1266.17 .89 342.23 14.25 119.88 9 27 25 666.2 4.86 335.69
 100.00 16 9 33 5113.10 29.40 226.33 20.52 84.36 17 34 46 4513.1 28.31 217.69
 110.00 9 49 10 1131.91 -2.03 330.22 12.43 124.13 10 8 2 531.9 2.46 324.02
 110.00 17 43 12 4820.12 32.82 203.32 19.97 79.84 19 3 32 4220.1 31.07 194.74

DIFFERENTIAL CORRECTIONS

TDE .6233 TRA -.7216 TC3 .9160 BAU .1775
 RDE -.1742 RRA -.0843 RC3 .2851 FAU .04711
 FDE-1.2383 FRA .7060 FC3-2.9476 BSP 5309
 BDE .6472 BRA .7265 BC3 .9593 FSP -760

MID-COURSE EXECUTION ACCURACY

SGT 1664.1 SGR 368.6 SG3 270.1
 RRT .0790 RRF -.0967 RTF -.8995
 SGB 1704.4 R23 -.0220 R13 -.8996
 SGI 1664.4 SG2 367.4 THA 1.05

ORBIT DETERMINATION ACCURACY

ST 1023.1 SR 271.6 SS 1146.3
 CRT -.8745 CRS -.9440 CST .9850
 LSA 1550.9 MSA 169.4 SSA 16.9
 EL1 1050.7 EL2 128.3 ALF 166.73

LAUNCH DATE JUN 2 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 287.165

RL 151.72 LAL .00 LOL 250.79 VL 26.214 GAL 1.35 AZL 93.58 HCA 121.72 SMA 124.93 ECC .21566 INC 3.5823 V1 29.366
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.185 GAP -9.95 AZP 88.11 TAL 175.09 TAP 296.81 RCA 97.99 APO 151.87 V2 34.908
 RC 52.722 GL -26.89 GP 2.21 ZAL 84.38 ZAP 15.80 ETS 351.43 ZAE 148.33 ETE 21.51 ZAC 87.83 ETC 13.53 CLP -15.44

PLANETOCENTRIC CONIC

C3 13.107 VHL 3.620 DLA -19.62 RAL 157.36 RAD 6567.5 VEL 11.597 PTH 2.03 VHP 6.454 DPA 6.23 RAP 179.57 ECC 1.2157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 51 1456.37 3.17 357.47 12.87 118.15 8 21 7 856.4 6.91 350.79
 90.00 14 24 28 5424.09 28.11 249.32 18.47 86.46 15 54 52 4824.1 27.33 240.75
 100.00 9 5 51 1233.71 1.99 340.45 12.22 119.83 9 26 24 633.7 5.95 333.89
 100.00 15 58 9 5121.98 29.46 226.88 18.36 84.70 17 23 31 4522.0 28.42 218.33
 110.00 9 47 30 1103.16 -.93 328.72 10.39 124.17 10 5 54 503.2 3.56 322.51
 110.00 17 32 59 4825.29 32.88 203.91 17.82 80.07 18 53 24 4225.3 31.16 195.11

DIFFERENTIAL CORRECTIONS

TDE .6320 TRA -.6856 TC3 1.0120 BAU .1849
 RDE -.1583 RRA -.0782 RC3 .2998 FAU .05150
 FDE-1.3674 FRA .7100 FC3-3.4013 BSP 5420
 BDE .6515 BRA .6900 BC3 1.0555 FSP -856

MID-COURSE EXECUTION ACCURACY

SGT 1692.4 SGR 356.6 SG3 301.4
 RRT .0991 RRF -.1199 RTF -.9050
 SGB 1729.5 R23 -.0262 R13 -.9051
 SGI 1692.8 SG2 354.7 THA 1.25

ORBIT DETERMINATION ACCURACY

ST 1058.4 SR 253.7 SS 1223.8
 CRT -.8819 CRS -.9475 CST .9857
 LSA 1629.3 MSA 165.5 SSA 16.5
 EL1 1082.1 EL2 117.0 ALF 167.92

LAUNCH DATE JUN 2 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 293.841

RL 151.72 LAL .00 LOL 250.79 VL 26.314 GAL 1.18 AZL 93.61 HCA 124.90 SMA 125.55 ECC .20942 INC 3.6086 V1 29.366
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.266 GAP -9.27 AZP 87.93 TAL 175.55 TAP 300.46 RCA 99.26 APO 151.84 V2 34.920
 RC 54.330 GL -27.95 GP 2.44 ZAL 85.47 ZAP 17.97 ETS 351.77 ZAE 147.80 ETE 20.78 ZAC 86.98 ETC 13.45 CLP -17.81

PLANETOCENTRIC CONIC

C3 12.485 VHL 3.533 DLA -20.15 RAL 155.88 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 6.085 DPA 6.11 RAP 180.42 ECC 1.2055
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 55 1423.85 4.22 355.65 10.93 118.03 8 20 39 823.8 7.93 348.94
 90.00 14 12 35 5435.75 28.16 250.17 16.40 86.89 15 43 11 4835.7 27.43 241.58
 100.00 9 5 17 1203.23 3.02 338.77 10.27 119.75 9 25 20 603.2 6.96 332.20
 100.00 15 46 55 5131.60 29.52 227.69 16.29 85.07 17 12 26 4531.6 28.52 219.03
 110.00 9 45 45 1076.40 .09 327.33 8.44 124.18 10 3 41 476.4 4.58 321.11
 110.00 17 22 56 4831.19 32.95 204.36 15.77 80.32 18 43 27 4231.2 31.26 195.54

DIFFERENTIAL CORRECTIONS

TDE .6369 TRA -.6517 TC3 1.0974 BAU .1906
 RDE -.1424 RRA -.0727 RC3 .3146 FAU .05637
 FDE-1.5119 FRA .7165 FC3-3.9088 BSP 5500
 BDE .6526 BRA .6558 BC3 1.1416 FSP -966

MID-COURSE EXECUTION ACCURACY

SGT 1713.2 SGR 344.2 SG3 336.5
 RRT .1278 RRF -.1519 RTF -.9092
 SGB 1747.4 R23 -.0311 R13 -.9094
 SGI 1713.8 SG2 341.3 THA 1.53

ORBIT DETERMINATION ACCURACY

ST 1086.8 SR 234.0 SS 1304.2
 CRT -.8868 CRS -.9498 CST .9862
 LSA 1705.9 MSA 162.8 SSA 16.1
 EL1 1106.6 EL2 106.2 ALF 169.09

LAUNCH DATE JUN 2 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 300.504

RL 151.72 LAL .00 LOL 250.79 VL 26.404 GAL 1.02 AZL 93.64 HCA 128.09 SMA 126.11 ECC .20376 INC 3.6371 V1 29.366
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.342 GAP -8.61 AZP 87.75 TAL 176.02 TAP 304.11 RCA 100.42 APO 151.81 V2 34.932
 RC 56.016 GL -28.97 GP 2.71 ZAL 86.55 ZAP 20.49 ETS 352.01 ZAE 147.52 ETE 20.30 ZAC 86.25 ETC 13.37 CLP -20.31

PLANETOCENTRIC CONIC

C3 11.958 VHL 3.458 DLA -20.65 RAL 154.43 RAD 6567.5 VEL 11.548 PTH 2.02 VHP 5.733 DPA 6.07 RAP 181.15 ECC 1.1968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 57 0 1393.11 5.20 353.92 9.10 117.88 8 20 13 793.1 8.89 347.19
 90.00 14 0 54 5448.23 28.20 251.08 14.43 87.34 15 31 42 4848.2 27.54 242.48
 100.00 9 4 42 1174.59 3.99 337.19 10.27 119.65 9 24 17 574.6 7.91 330.60
 100.00 15 35 52 5141.99 29.58 228.46 14.33 85.47 17 1 34 4542.0 28.64 219.78
 110.00 9 43 59 1051.50 1.04 326.03 6.60 124.17 10 1 30 451.5 5.52 319.80
 110.00 17 13 5 4837.84 33.02 204.87 13.84 80.61 18 33 43 4237.8 31.37 196.03

DIFFERENTIAL CORRECTIONS

TDE .6442 TRA -.6144 TC3 1.1845 BAU .1966
 RDE -.1261 RRA -.0678 RC3 .3304 FAU .06211
 FDE-1.6831 FRA .7171 FC3-4.4968 BSP 5615
 BDE .6565 BRA .6181 BC3 1.2297 FSP -1096

MID-COURSE EXECUTION ACCURACY

SGT 1730.3 SGR 332.1 SG3 377.2
 RRT .1647 RRF -.1933 RTF -.9142
 SGB 1761.9 R23 -.0376 R13 -.9144
 SGI 1731.2 SG2 327.4 THA 1.88

ORBIT DETERMINATION ACCURACY

ST 1116.5 SR 212.2 SS 1394.9
 CRT -.8914 CRS -.9514 CST .9870
 LSA 1792.1 MSA 159.4 SSA 15.6
 EL1 1132.5 EL2 94.8 ALF 170.32

LAUNCH DATE JUN 2 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 307.152

RL 151.72 LAL .00 LOL 250.79 VL 26.485 GAL .87 AZL 93.67 HCA 131.28 SMA 126.63 ECC .19866 INC 3.6682 V1 29.366
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.411 GAP -7.97 AZP 87.58 TAL 176.47 TAP 307.75 RCA 101.48 APO 151.79 V2 34.945
 RC 57.772 GL -29.95 GP 3.02 ZAL 87.58 ZAP 23.16 ETS 352.16 ZAE 147.50 ETE 20.07 ZAC 85.66 ETC 13.30 CLP -22.97

PLANETOCENTRIC CONIC

C3 11.517 VHL 3.394 OLA -21.14 RAL 153.01 RAD 6567.4 VEL 11.528 PTH 2.01 VHP 5.399 DPA 6.14 RAP 181.77 ECC 1.1895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 57 12 1363.90 6.12 352.27 7.38 117.70 8 19 56 763.9 9.79 345.51
 90.00 13 49 25 5461.69 28.24 252.07 12.59 87.83 15 20 27 4861.7 27.64 243.45
 100.00 9 4 14 1147.54 4.90 335.70 6.71 119.53 9 23 22 547.5 8.79 329.08
 100.00 15 25 4 5153.28 29.64 229.29 12.50 85.90 16 50 57 4553.3 28.75 220.60
 110.00 9 42 18 1028.25 1.93 324.81 4.86 124.14 9 59 26 428.3 6.40 318.58
 110.00 17 3 30 4845.34 33.10 205.44 12.03 80.94 18 24 15 4245.3 31.50 196.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6448 TRA -.5808 TC3 1.2496 BAU .1997 SGT 1734.8 SGR 320.7 SG3 422.5 ST 1133.7 SR 187.8 SS 1487.1
 RDE -.1093 RRA -.0634 RC3 .3475 FAU .06847 RRT .2155 RRF -.2490 RTF -.9170 CRT -.8914 CRS -.9506 CST .9874
 FDE -1.8728 FRA .7216 FC3-5.1470 BSP 5631 SGB 1764.2 R23 -.0459 R13 -.9173 LSA 1872.6 MSA 157.7 SSA 14.9
 BDE .6540 BRA .5842 BC3 1.2971 FSP -1238 SG1 1736.2 SG2 312.9 THA 2.36 EL1 1146.0 EL2 84.2 ALF 171.55

LAUNCH DATE JUN 2 1967

FLIGHT TIME 120.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 313.785

RL 151.72 LAL .00 LOL 250.79 VL 26.558 GAL .74 AZL 93.70 HCA 134.47 SMA 127.10 ECC .19409 INC 3.7024 V1 29.366
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.474 GAP -7.35 AZP 87.40 TAL 176.91 TAP 311.38 RCA 102.43 APO 151.77 V2 34.957
 RC 59.590 GL -30.90 GP 3.39 ZAL 88.56 ZAP 26.00 ETS 352.25 ZAE 147.74 ETE 20.13 ZAC 85.22 ETC 13.24 CLP -25.80

PLANETOCENTRIC CONIC

C3 11.152 VHL 3.339 OLA -21.61 RAL 151.65 RAD 6567.4 VEL 11.513 PTH 2.01 VHP 5.083 DPA 6.32 RAP 182.26 ECC 1.1835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 57 40 1335.88 7.01 350.69 5.80 117.51 8 19 56 735.9 10.64 343.89
 90.00 13 38 7 5476.35 28.27 253.14 10.89 88.37 15 9 24 4876.4 27.75 244.51
 100.00 9 4 0 1121.81 5.76 334.28 5.12 119.38 9 22 42 521.8 9.63 327.63
 100.00 15 14 28 5165.66 29.69 230.21 10.82 86.38 16 40 34 4565.7 28.87 221.50
 110.00 9 40 48 1006.43 2.77 323.67 3.26 124.08 9 57 35 406.4 7.22 317.42
 110.00 16 54 9 4853.81 33.19 206.08 10.37 81.31 18 15 3 4253.8 31.64 197.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6422 TRA -.5474 TC3 1.2906 BAU .2000 SGT 1725.6 SGR 311.0 SG3 473.0 ST 1143.0 SR 160.4 SS 1586.2
 RDE -.0914 RRA -.0596 RC3 .3668 FAU .07548 RRT .2789 RRF -.3193 RTF -.9185 CRT -.8866 CRS -.9466 CST .9876
 FDE -2.0909 FRA .7245 FC3-5.8595 BSP 5592 SGB 1753.4 R23 -.0575 R13 -.9190 LSA 1955.3 MSA 156.7 SSA 14.2
 BDE .6486 BRA .5507 BC3 1.3418 FSP -1395 SG1 1727.8 SG2 298.3 THA 2.97 EL1 1151.8 EL2 73.6 ALF 172.88

LAUNCH DATE JUN 2 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 320.402

RL 151.72 LAL .00 LOL 250.79 VL 26.624 GAL .83 AZL 93.74 HCA 137.66 SMA 127.53 ECC .19000 INC 3.7408 V1 29.366
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.532 GAP -6.76 AZP 87.23 TAL 177.33 TAP 314.99 RCA 103.30 APO 151.76 V2 34.970
 RC 61.464 GL -31.81 GP 3.83 ZAL 89.47 ZAP 29.05 ETS 352.30 ZAE 148.24 ETE 20.51 ZAC 84.94 ETC 13.18 CLP -28.81

PLANETOCENTRIC CONIC

C3 10.855 VHL 3.295 OLA -22.08 RAL 150.36 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 4.785 DPA 6.65 RAP 182.60 ECC 1.1786
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 33 1308.63 7.86 349.14 4.36 117.29 8 20 21 708.6 11.46 342.31
 90.00 13 26 57 5492.54 28.30 254.32 9.34 88.96 14 58 29 4892.5 27.86 245.68
 100.00 9 4 7 1097.01 6.58 332.90 3.66 119.22 9 22 24 497.0 10.43 326.22
 100.00 15 4 4 5179.40 29.75 231.23 9.28 86.91 16 30 23 4579.4 29.00 222.50
 110.00 9 39 37 985.72 3.55 322.59 1.79 124.02 9 56 3 385.7 8.00 316.32
 110.00 16 45 3 4863.45 33.29 206.82 8.87 81.74 18 6 6 4263.5 31.79 197.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6366 TRA -.5126 TC3 1.3223 BAU .2001 SGT 1705.8 SGR 304.7 SG3 530.9 ST 1144.3 SR 129.1 SS 1693.1
 RDE -.0719 RRA -.0563 RC3 .3901 FAU .08366 RRT .3603 RRF -.4083 RTF -.9200 CRT -.8727 CRS -.9360 CST .9879
 FDE -2.3420 FRA .7219 FC3-6.6726 BSP 5583 SGB 1732.8 R23 -.0722 R13 -.9208 LSA 2041.6 MSA 155.4 SSA 13.4
 BDE .6406 BRA .5157 BC3 1.3786 FSP -1585 SG1 1709.5 SG2 283.7 THA 3.79 EL1 1149.8 EL2 62.7 ALF 174.36

LAUNCH DATE JUN 2 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 327.001

RL 151.72 LAL .00 LOL 250.79 VL 26.682 GAL .52 AZL 93.78 HCA 140.86 SMA 127.91 ECC .18637 INC 3.7841 V1 29.366
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.586 GAP -6.17 AZP 87.06 TAL 177.72 TAP 318.58 RCA 104.07 APO 151.75 V2 34.983
 RC 63.388 GL -32.70 GP 4.35 ZAL 90.31 ZAP 32.31 ETS 352.31 ZAE 149.02 ETE 21.30 ZAC 84.85 ETC 13.14 CLP -32.04

PLANETOCENTRIC CONIC

C3 10.622 VHL 3.259 OLA -22.55 RAL 149.15 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 4.506 DPA 7.14 RAP 182.79 ECC 1.1748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 2 1281.55 8.70 347.60 3.07 117.05 8 21 24 681.6 12.26 340.73
 90.00 13 15 47 5510.76 28.31 255.65 7.95 89.63 14 47 38 4910.8 27.96 247.01
 100.00 9 4 46 1072.63 7.39 331.54 2.37 119.05 9 22 39 472.6 11.21 324.83
 100.00 14 53 44 5194.92 29.80 232.38 7.91 87.52 16 20 19 4594.9 29.14 223.63
 110.00 9 38 52 965.74 4.31 321.54 .47 123.94 9 54 58 365.7 8.74 315.25
 110.00 16 38 8 4874.57 33.39 207.67 7.53 82.23 17 57 23 4274.6 31.96 198.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6253 TRA -.4811 TC3 1.3208 BAU .1967 SGT 1669.9 SGR 304.2 SG3 595.3 ST 1133.4 SR 93.5 SS 1807.3
 RDE -.0501 RRA -.0536 RC3 .4184 FAU .09264 RRT .4557 RRF -.5133 RTF -.9194 CRT -.8312 CRS -.9048 CST .9879
 FDE -2.6287 FRA .7229 FC3-7.5507 BSP 5460 SGB 1697.3 R23 -.0934 R13 -.9207 LSA 2129.6 MSA 155.2 SSA 12.5
 BDE .6273 BRA .4841 BC3 1.3855 FSP -1788 SG1 1675.8 SG2 269.8 THA 4.87 EL1 1136.1 EL2 51.9 ALF 176.07

LAUNCH DATE JUN 2 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 333.582

RL 151.72 LAL .00 LOL 250.79 VL 26.733 GAL .43 AZL 93.83 HCA 144.06 SMA 128.25 ECC .18317 INC 3.8339 V1 29.366
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.634 GAP -5.61 AZP 86.89 TAL 178.07 TAP 322.13 RCA 104.76 APO 151.74 V2 34.996
 RC 65.357 GL -33.57 GP 4.97 ZAL 91.05 ZAP 35.81 ETS 352.30 ZAE 150.05 ETE 22.60 ZAC 84.96 ETC 13.11 CLP -35.51

PLANETOCENTRIC CONIC

C3 10.447 VHL 3.232 DLA -23.04 RAL 148.03 RAD 6567.4 VEL 11.482 PTH 2.00 VHP 4.246 DPA 7.82 RAP 182.80 ECC 1.1719
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 23 1253.90 9.55 346.01 1.96 116.78 8 23 17 653.9 13.07 339.10
 90.00 13 4 27 5531.70 28.31 257.19 6.73 90.40 14 36 39 4931.7 28.07 248.53
 100.00 9 6 9 1048.06 8.20 330.17 1.24 118.85 9 23 37 448.1 11.99 323.42
 100.00 14 43 22 5212.77 29.84 233.70 6.71 88.21 16 10 15 4612.8 29.28 224.94
 110.00 9 38 41 946.05 5.06 320.51 359.31 123.85 9 54 27 346.0 9.47 314.20
 110.00 16 27 19 4887.55 33.51 208.66 6.37 82.81 17 48 47 4287.6 32.15 199.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6074 TRA -.4503 TC3 1.2954 BAU .1917 SGT 1616.4 SGR 313.1 SG3 667.6 ST 1107.9 SR 54.3 SS 1927.7
 RDE -.0252 RRA -.0514 RC3 .4543 FAU .10286 RRT .5606 RRF -.6290 RTF -.9171 CRT -.6663 CRS -.7702 CST .9875
 FDE -2.9536 FRA .7193 FC3-8.5241 BSP 5305 SGB 1646.4 R23 -.1226 R13 -.9194 LSA 2218.6 MSA 155.4 SSA 11.6
 BDE .6079 BRA .4532 BC3 1.3727 FSP -2022 SG1 1626.2 SG2 257.7 THA 6.36 EL1 1108.5 EL2 40.5 ALF 178.13

LAUNCH DATE JUN 2 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 340.145

RL 151.72 LAL .00 LOL 250.79 VL 26.778 GAL .35 AZL 93.89 HCA 147.26 SMA 128.55 ECC .18037 INC 3.8920 V1 29.366
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.679 GAP -5.06 AZP 86.72 TAL 178.39 TAP 325.65 RCA 105.36 APO 151.73 V2 35.009
 RC 67.365 GL -34.44 GP 5.74 ZAL 91.69 ZAP 39.58 ETS 352.28 ZAE 151.32 ETE 24.56 ZAC 85.28 ETC 13.12 CLP -39.23

PLANETOCENTRIC CONIC

C3 10.330 VHL 3.214 DLA -23.57 RAL 146.99 RAD 6567.4 VEL 11.477 PTH 1.99 VHP 4.006 DPA 8.72 RAP 182.65 ECC 1.1700
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 54 1224.63 10.45 344.33 1.03 116.47 8 26 18 624.6 13.92 337.37
 90.00 12 52 40 5556.42 28.29 258.99 5.68 91.31 14 25 16 4956.4 28.17 250.33
 100.00 9 8 31 1022.48 9.04 328.73 .29 118.61 9 25 34 422.5 12.79 321.95
 100.00 14 32 43 5233.80 29.88 235.26 5.69 89.04 15 59 57 4633.8 29.42 226.49
 110.00 9 39 16 926.07 5.82 319.46 358.32 123.74 9 54 42 326.1 10.21 313.12
 110.00 16 18 28 4902.98 33.63 209.85 5.40 83.50 17 40 11 4303.0 32.37 200.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5782 TRA -.4235 TC3 1.2091 BAU .1806 SGT 1531.3 SGR 334.2 SG3 742.5 ST 1060.2 SR 31.4 SS 2048.5
 RDE .0037 RRA -.0499 RC3 .4974 FAU .11300 RRT .6551 RRF -.7388 RTF -.9096 CRT .4277 CRS .2854 CST .9866
 FDE -3.3098 FRA .7221 FC3-9.4705 BSP 5028 SGB 1567.4 R23 -.1675 R13 -.9139 LSA 2301.5 MSA 156.7 SSA 10.6
 BDE .5782 BRA .4264 BC3 1.3074 FSP -2266 SG1 1547.3 SG2 249.9 THA 8.36 EL1 1060.3 EL2 28.3 ALF .73

LAUNCH DATE JUN 2 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 346.689

RL 151.72 LAL .00 LOL 250.79 VL 26.817 GAL .29 AZL 93.96 HCA 150.46 SMA 128.81 ECC .17794 INC 3.9612 V1 29.366
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.719 GAP -4.53 AZP 86.55 TAL 178.66 TAP 329.12 RCA 105.89 APO 151.73 V2 35.023
 RC 69.409 GL -35.31 GP 6.67 ZAL 92.24 ZAP 43.64 ETS 352.26 ZAE 152.79 ETE 27.43 ZAC 85.82 ETC 13.16 CLP -43.22

PLANETOCENTRIC CONIC

C3 10.271 VHL 3.205 DLA -24.14 RAL 146.04 RAD 6567.4 VEL 11.474 PTH 1.99 VHP 3.788 DPA 9.90 RAP 182.31 ECC 1.1690
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 1 1192.31 11.42 342.45 .30 116.09 8 30 53 592.3 14.84 335.44
 90.00 12 39 58 5586.42 28.22 261.19 4.82 92.40 14 13 4 4986.4 28.26 252.52
 100.00 9 12 12 994.81 9.94 327.16 359.53 118.34 9 28 46 394.8 13.65 320.34
 100.00 14 21 28 5259.15 29.89 237.15 4.86 90.03 15 49 7 4659.2 29.58 228.36
 110.00 9 40 48 905.11 6.61 318.35 357.51 123.61 9 55 53 305.1 10.98 311.99
 110.00 16 9 22 4921.61 33.77 211.29 4.64 84.34 17 31 23 4321.6 32.62 202.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5455 TRA -.3940 TC3 1.1038 BAU .1696 SGT 1431.0 SGR 374.0 SG3 827.1 ST 1002.6 SR 75.8 SS 2186.2
 RDE .0388 RRA -.0486 RC3 .5537 FAU .12459 RRT .7331 RRF -.8334 RTF -.9003 CRT .9806 CRS .9410 CST .9854
 FDE -3.7274 FRA .7085 FC-10.5022 BSP 4713 SGB 1479.0 R23 -.2243 R13 -.9084 LSA 2401.2 MSA 156.9 SSA 9.6
 BDE .5469 BRA .3970 BC3 1.2350 FSP -2534 SG1 1457.8 SG2 249.7 THA 11.18 EL1 1005.3 EL2 14.8 ALF 4.24

LAUNCH DATE JUN 2 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 353.214

RL 151.72 LAL .00 LOL 250.79 VL 26.851 GAL .24 AZL 94.05 HCA 153.67 SMA 129.03 ECC .17585 INC 4.0457 V1 29.366
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.755 GAP -4.01 AZP 86.37 TAL 178.88 TAP 332.55 RCA 106.34 APO 151.72 V2 35.036
 RC 71.485 GL -36.23 GP 7.84 ZAL 92.67 ZAP 48.00 ETS 352.25 ZAE 154.37 ETE 31.56 ZAC 86.57 ETC 13.27 CLP -47.51

PLANETOCENTRIC CONIC

C3 10.274 VHL 3.205 DLA -24.80 RAL 145.17 RAD 6567.4 VEL 11.474 PTH 1.99 VHP 3.592 DPA 11.40 RAP 181.81 ECC 1.1691
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 27 1154.61 12.54 340.25 359.81 115.60 8 37 42 554.6 15.89 333.17
 90.00 12 25 37 5624.23 28.08 263.94 4.14 93.78 13 59 21 5024.2 28.31 255.29
 100.00 9 17 41 963.39 10.95 325.38 358.99 117.99 9 33 44 363.4 14.61 318.50
 100.00 14 9 4 5290.69 29.87 239.49 4.23 91.26 15 37 15 4690.7 29.72 230.69
 110.00 9 43 34 882.19 7.47 317.14 356.89 123.45 9 58 16 282.2 11.82 310.74
 110.00 15 59 40 4944.65 33.91 213.07 4.09 85.39 17 22 5 4344.6 32.90 203.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5006 TRA -.3703 TC3 .9663 BAU .1582 SGT 1310.1 SGR 438.1 SG3 917.8 ST 921.5 SR 149.8 SS 2328.2
 RDE .0820 RRA -.0485 RC3 .6266 FAU .13712 RRT .7833 RRF -.9036 RTF -.8840 CRT .9971 CRS .9893 CST .9831
 FDE -4.1878 FRA .7069 FC-11.5547 BSP 4380 SGB 1381.4 R23 -.2924 R13 -.9008 LSA 2503.4 MSA 158.1 SSA 8.6
 BDE .5073 BRA .3735 BC3 1.1517 FSP -2836 SG1 1356.1 SG2 263.1 THA 15.27 EL1 933.5 EL2 11.3 ALF 9.21

LAUNCH DATE JUN 2 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 359.720

RL 151.72 LAL .00 LOL 250.79 VL 26.879 GAL .20 AZL 94.15 MCA 156.87 SMA 129.23 ECC .17409 INC 4.1519 V1 29.366
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.788 GAP -3.51 AZP 86.18 TAL 179.05 TAP 335.93 RCA 106.73 APO 151.72 V2 35.049
 RC 75.590 GL -37.22 GP 9.31 ZAL 92.98 ZAP 52.67 ETS 352.26 ZAE 155.90 ETE 37.39 ZAC 87.53 ETC 13.46 CLP -52.09

PLANETOCENTRIC CONIC

C3 10.350 VHL 3.217 DLA -25.56 RAL 144.37 RAD 6567.4 VEL 11.478 PTH 2.00 VHP 3.422 DPA 13.31 RAP 181.18 ECC 1.1703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 29 28 1107.49 13.91 337.47 359.59 114.91 8 47 55 507.5 17.16 330.29
 90.00 12 8 14 5674.33 27.81 267.58 3.63 95.58 13 42 49 5074.3 28.29 258.95
 100.00 9 25 47 925.62 12.14 323.21 358.70 117.52 9 41 13 325.6 15.74 316.26
 100.00 13 54 36 5331.43 29.77 242.52 3.79 92.85 15 23 27 4731.4 29.85 233.71
 110.00 9 48 0 855.93 8.46 315.74 356.50 123.24 10 2 16 255.9 12.77 309.30
 110.00 15 48 53 4973.88 34.05 215.35 3.78 86.73 17 11 47 4373.9 33.22 206.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4411 TRA -.3471 TC3 .7796 BAU .1467 SGT 1156.9 SGR 530.8 SG3 1007.8 ST 812.2 SR 244.7 SS 2469.0
 RDE .1362 RRA -.0487 RC3 .7185 FAU .14947 RRT .7952 RRF -.9483 RTF -.8534 CRT .9898 CRS .9972 CST .9786
 FDE-4.6809 FRA .6892 FC-12.5032 BSP 3969 SGB 1272.9 R23 -.3618 R13 -.8918 LSA 2605.8 MSA 159.5 SSA 7.6
 BDE .4617 BRA .3505 BC3 1.0602 FSP -3136 SG1 1236.8 SG2 301.1 THA 21.37 EL1 847.6 EL2 33.4 ALF 16.63

LAUNCH DATE JUN 2 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 366.206

RL 151.72 LAL .00 LOL 250.79 VL 26.903 GAL .17 AZL 94.29 MCA 160.08 SMA 129.39 ECC .17263 INC 4.2902 V1 29.366
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.817 GAP -3.01 AZP 85.97 TAL 179.17 TAP 339.25 RCA 107.05 APO 151.72 V2 35.062
 RC 75.721 GL -38.35 GP 11.24 ZAL 93.17 ZAP 57.67 ETS 352.31 ZAE 157.07 ETE 45.43 ZAC 88.65 ETC 13.78 CLP -56.96

PLANETOCENTRIC CONIC

C3 10.521 VHL 3.244 DLA -26.49 RAL 143.62 RAD 6567.4 VEL 11.485 PTH 2.00 VHP 3.281 DPA 15.74 RAP 180.48 ECC 1.1732
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 48 1042.10 15.75 333.54 359.74 113.84 9 4 10 442.1 18.84 326.23
 90.00 11 44 53 5746.35 27.22 272.77 3.26 98.12 13 20 40 5146.4 28.06 264.21
 100.00 9 38 0 876.72 13.67 320.38 358.72 116.85 9 52 37 276.7 17.16 313.33
 100.00 13 36 22 5386.96 29.51 246.63 3.56 95.00 15 6 9 4787.0 29.89 237.84
 110.00 9 54 46 824.14 9.64 314.04 356.36 122.96 10 8 30 224.1 13.91 307.54
 110.00 15 36 6 5012.31 34.15 218.34 3.73 88.50 16 59 38 4412.3 33.57 209.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3729 TRA -.3268 TC3 .5412 BAU .1395 SGT 986.5 SGR 660.7 SG3 1095.5 ST 686.7 SR 370.8 SS 2630.2
 RDE .2090 RRA -.0496 RC3 .8309 FAU .16024 RRT .7604 RRF -.9742 RTF -.7956 CRT .9784 CRS .9992 CST .9705
 FDE-5.2465 FRA .6621 FC-13.1851 BSP 3590 SGB 1187.3 R23 -.4026 R13 -.8912 LSA 2738.8 MSA 160.8 SSA 6.5
 BDE .4275 BRA .3305 BC3 .9916 FSP -3422 SG1 1126.2 SG2 375.8 THA 30.78 EL1 777.4 EL2 67.7 ALF 28.08

LAUNCH DATE JUN 2 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 372.673

RL 151.72 LAL .00 LOL 250.79 VL 26.922 GAL .16 AZL 94.48 MCA 163.30 SMA 129.52 ECC .17144 INC 4.4794 V1 29.366
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.842 GAP -2.53 AZP 85.71 TAL 179.22 TAP 342.52 RCA 107.31 APO 151.72 V2 35.075
 RC 77.874 GL -39.71 GP 13.83 ZAL 93.23 ZAP 62.98 ETS 352.44 ZAE 157.38 ETE 55.90 ZAC 89.83 ETC 14.27 CLP -62.10

PLANETOCENTRIC CONIC

C3 10.831 VHL 3.291 DLA -27.68 RAL 142.87 RAD 6567.4 VEL 11.499 PTH 2.00 VHP 3.173 DPA 18.89 RAP 179.83 ECC 1.1783
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 14 927.34 18.77 326.48 .57 111.60 9 35 41 327.3 21.54 318.90
 90.00 11 5 27 5872.93 25.69 281.72 2.85 102.35 12 43 20 5272.9 27.13 273.35
 100.00 9 57 55 805.51 15.81 316.18 359.22 115.70 10 11 21 205.5 19.14 308.97
 100.00 13 10 27 5469.99 28.86 252.71 3.50 98.14 14 41 37 4870.0 29.69 244.00
 110.00 10 5 9 782.80 11.16 311.80 356.55 122.52 10 18 12 182.8 15.37 305.23
 110.00 15 19 42 5065.47 34.17 222.49 3.99 90.95 16 44 8 4465.5 33.93 213.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2808 TRA -.3111 TC3 .2749 BAU .1462 SGT 803.6 SGR 839.1 SG3 1166.4 ST 522.2 SR 534.7 SS 2767.1
 RDE .3064 RRA -.0516 RC3 .9717 FAU .16902 RRT .6505 RRF -.9880 RTF -.6722 CRT .9544 CRS .9997 CST .9484
 FDE-5.7913 FRA .6279 FC-13.5099 BSP 3393 SGB 1161.8 R23 -.3546 R13 -.9230 LSA 2861.6 MSA 163.1 SSA 5.5
 BDE .4156 BRA .3153 BC3 1.0099 FSP -3666 SG1 1055.7 SG2 485.1 THA 46.90 EL1 738.8 EL2 112.8 ALF 45.71

LAUNCH DATE JUN 2 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 379.119

RL 151.72 LAL .00 LOL 250.79 VL 26.937 GAL .16 AZL 94.76 MCA 166.51 SMA 129.62 ECC .17051 INC 4.7558 V1 29.366
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.865 GAP -2.07 AZP 85.37 TAL 179.22 TAP 345.73 RCA 107.52 APO 151.72 V2 35.088
 RC 80.046 GL -41.47 GP 17.50 ZAL 93.16 ZAP 68.58 ETS 352.68 ZAE 156.04 ETE 68.06 ZAC 90.90 ETC 15.01 CLP -67.49

PLANETOCENTRIC CONIC

C3 11.375 VHL 3.373 DLA -29.28 RAL 142.02 RAD 6567.4 VEL 11.522 PTH 2.01 VHP 3.112 DPA 23.10 RAP 179.48 ECC 1.1872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.24 9 5 27 973.17 23.20 331.56 2.14 108.37 9 21 40 373.2 25.50 323.56
 97.76 11 13 31 5847.28 23.21 279.09 2.14 108.36 12 50 58 5247.3 25.50 271.10
 100.00 10 39 53 667.09 19.70 307.75 .72 112.95 10 51 0 67.1 22.64 300.18
 100.00 12 21 45 5628.59 26.80 264.04 3.28 103.75 13 55 34 5028.6 28.43 255.62
 110.00 10 21 59 723.46 13.31 308.55 357.28 121.78 10 34 3 123.5 17.42 301.84
 110.00 14 56 9 5144.99 33.91 228.69 4.61 94.61 16 21 54 4545.0 34.17 219.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1738 TRA -.2979 TC3 -.0011 BAU .1749 SGT 651.1 SGR 1096.4 SG3 1217.7 ST 342.7 SR 768.9 SS 2912.9
 RDE .4521 RRA -.0524 RC3 1.1502 FAU .17456 RRT .3997 RRF -.9950 RTF -.4145 CRT .8805 CRS .9999 CST .8756
 FDE-6.3733 FRA .5428 FC-13.2854 BSP 3695 SGB 1275.2 R23 -.1443 R13 -.9846 LSA 3027.6 MSA 164.7 SSA 4.4
 BDE .4843 BRA .3025 BC3 1.1502 FSP -3855 SG1 1138.2 SG2 574.9 THA 71.87 EL1 828.2 EL2 150.8 ALF 67.80

LAUNCH DATE JUN 2 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 385.546

RL 151.72 LAL .00 LOL 250.79 VL 26.948 GAL .17 AZL 95.20 HCA 169.73 SMA 129.70 ECC .16983 INC 5.2015 V1 29.366
 RP 107.96 LAP -.93 LOP 60.56 VP 37.885 GAP -1.61 AZP 84.88 TAL 179.16 TAP 348.89 RCA 107.67 APO 151.72 V2 35.101
 RC 82.236 GL -43.96 GP 23.08 ZAL 92.94 ZAP 74.44 ETS 353.11 ZAE 151.94 ETE 79.88 ZAC 91.51 ETC 16.09 CLP -73.05

PLANETOCENTRIC CONIC

C3 12.390 VHL 3.520 DLA -31.57 RAL 140.91 RAD 6567.5 VEL 11.566 PTH 2.02 VHP 3.125 DPA 29.07 RAP 179.99 ECC 1.2039
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.41 8 10 16 1152.35 24.53 345.45 2.95 110.54 8 29 28 552.3 27.10 337.45
 104.59 11 59 46 5704.01 24.54 268.91 2.96 110.52 13 34 50 5104.0 27.10 260.91
 75.41 8 10 16 1152.35 24.53 345.45 2.95 110.54 8 29 28 552.3 27.10 337.45
 104.59 11 59 46 5704.01 24.54 268.91 2.96 110.52 13 34 50 5104.0 27.10 260.91
 110.00 10 54 7 620.47 16.92 302.75 359.10 120.15 11 4 28 20.5 20.80 295.78
 110.00 14 15 6 5283.88 32.64 239.32 5.54 100.78 15 43 10 4683.9 33.78 230.27

DIFFERENTIAL CORRECTIONS

TDE .0416 TRA -.2934 TC3 -.2704 BAU .2288
 RDE .6889 RRA -.0498 RC3 1.3544 FAU .17126
 FDE-6.8959 FRA .4011 FC-11.9659 BSP 4656
 BDE .6902 BRA .2976 BC3 1.3811 FSP -3821

MID-COURSE EXECUTION ACCURACY

SGT 595.9 SGR 1475.0 SG3 1214.3
 RRT -.0594 RRF -.9981 RTF .0494
 SGB 1590.8 R23 .0215 R13 -.9979
 SG1 1475.5 SG2 594.7 THA 91.64

ORBIT DETERMINATION ACCURACY

ST 181.4 SR 1122.1 SS 3031.9
 CRT .3960 CRS 1.0000 CST .3916
 LSA 3233.6 MSA 166.9 SSA 3.4
 EL1 1124.4 EL2 166.2 ALF 86.25

LAUNCH DATE JUN 2 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 391.951

RL 151.72 LAL .00 LOL 250.79 VL 26.956 GAL .20 AZL 96.05 HCA 172.95 SMA 129.75 ECC .16937 INC 6.0490 V1 29.366
 RP 107.92 LAP -.74 LOP 63.78 VP 37.902 GAP -1.16 AZP 84.00 TAL 179.04 TAP 351.99 RCA 107.77 APO 151.72 V2 35.113
 RC 84.440 GL -47.92 GP 32.50 ZAL 92.53 ZAP 80.49 ETS 353.97 ZAE 143.16 ETE 89.06 ZAC 90.85 ETC 17.61 CLP -78.71

PLANETOCENTRIC CONIC

C3 14.647 VHL 3.827 DLA -35.23 RAL 139.05 RAD 6567.6 VEL 11.663 PTH 2.05 VHP 3.312 DPA 38.41 RAP 182.98 ECC 1.2411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.10 7 16 53 1330.34 26.22 359.98 4.84 114.43 7 39 3 730.3 29.28 352.04
 111.90 12 38 22 5598.84 26.23 261.56 4.84 114.42 14 11 40 4998.8 29.29 253.62
 68.10 7 16 53 1330.34 26.22 359.98 4.84 114.43 7 39 3 730.3 29.28 352.04
 111.90 12 38 22 5598.84 26.23 261.56 4.84 114.42 14 11 40 4998.8 29.29 253.62
 68.10 7 16 53 1330.34 26.22 359.98 4.84 114.43 7 39 3 730.3 29.28 352.04
 111.90 12 38 22 5598.84 26.23 261.56 4.84 114.42 14 11 40 4998.8 29.29 253.62

DIFFERENTIAL CORRECTIONS

TDE -.1286 TRA -.3085 TC3 -.4702 BAU .3132
 RDE 1.1440 RRA -.0285 RC3 1.5287 FAU .14999
 FDE-7.1579 FRA .1425 FC3-8.8652 BSP 6679
 BDE 1.1512 BRA .3098 BC3 1.5993 FSP -3486

MID-COURSE EXECUTION ACCURACY

SGT 697.3 SGR 2074.9 SG3 1096.1
 RRT -.4986 RRF -.9994 RTF .4926
 SGB 2188.9 R23 .0580 R13 -.9977
 SG1 2106.4 SG2 595.4 THA 100.35

ORBIT DETERMINATION ACCURACY

ST 256.8 SR 1713.1 SS 3067.3
 CRT -.7443 CRS 1.0000 CST -.7455
 LSA 3518.5 MSA 171.0 SSA 2.4
 EL1 1723.8 EL2 170.4 ALF 96.43

LAUNCH DATE JUN 2 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 398.332

RL 151.72 LAL .00 LOL 250.79 VL 26.960 GAL .23 AZL 98.31 HCA 176.16 SMA 129.78 ECC .16912 INC 8.3080 V1 29.366
 RP 107.89 LAP -.55 LOP 66.99 VP 37.916 GAP -.72 AZP 81.71 TAL 178.85 TAP 355.02 RCA 107.83 APO 151.72 V2 35.125
 RC 86.655 GL -55.36 GP 50.84 ZAL 91.83 ZAP 86.42 ETS 355.97 ZAE 125.00 ETE 94.63 ZAC 86.82 ETC 19.13 CLP -84.33

PLANETOCENTRIC CONIC

C3 22.426 VHL 4.736 DLA -41.95 RAL 134.96 RAD 6567.9 VEL 11.992 PTH 2.14 VHP 4.212 DPA 54.57 RAP 196.04 ECC 1.3691
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.65 6 9 6 1578.19 27.24 21.10 10.00 123.23 6 35 24 978.2 31.40 13.68
 122.35 13 13 28 5549.66 27.25 258.14 10.01 123.22 14 45 57 4949.7 31.42 250.71
 57.65 6 9 6 1578.19 27.24 21.10 10.00 123.23 6 35 24 978.2 31.40 13.68
 122.35 13 13 28 5549.66 27.25 258.14 10.01 123.22 14 45 57 4949.7 31.42 250.71
 57.65 6 9 6 1578.19 27.24 21.10 10.00 123.23 6 35 24 978.2 31.40 13.68
 122.35 13 13 28 5549.66 27.25 258.14 10.01 123.22 14 45 57 4949.7 31.42 250.71

DIFFERENTIAL CORRECTIONS

TDE -.3746 TRA -.3869 TC3 -.4413 BAU .4241
 RDE 2.3027 RRA .1002 RC3 1.3441 FAU .08959
 FDE-6.2320 FRA -.2744 FC3-3.4585 BSP 9919
 BDE 2.3329 BRA .3996 BC3 1.4146 FSP -2237

MID-COURSE EXECUTION ACCURACY

SGT 881.0 SGR 3067.4 SG3 711.3
 RRT -.7021 RRF -.9998 RTF .6986
 SGB 3191.4 R23 .0459 R13 -.9988
 SG1 3131.6 SG2 614.5 THA 101.86

ORBIT DETERMINATION ACCURACY

ST 491.1 SR 2786.7 SS 2744.8
 CRT -.9297 CRS 1.0000 CST -.9297
 LSA 3938.1 MSA 179.7 SSA 1.5
 EL1 2824.0 EL2 178.5 ALF 99.34

LAUNCH DATE JUN 2 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 404.629

RL 151.72 LAL .00 LOL 250.79 VL 26.961 GAL .30 AZL 122.22 HCA 179.31 SMA 129.78 ECC .16908 INC 32.2071 V1 29.366
 RP 107.85 LAP -.37 LOP 70.21 VP 37.928 GAP -.31 AZP 57.79 TAL 178.54 TAP 357.85 RCA 107.84 APO 151.73 V2 35.137
 RC 88.880 GL -65.49 GP 84.04 ZAL 90.44 ZAP 90.01 ETS 177.72 ZAE 80.26 ETE 275.52 ZAC 74.29 ETC 191.36 CLP 90.05

PLANETOCENTRIC CONIC

C3 249.532 VHL 15.797 DLA -51.04 RAL 128.24 RAD 6571.5 VEL 19.257 PTH 3.09 VHP 18.393 DPA 62.35 RAP 289.49 ECC 5.1067
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.58 4 58 27 2213.25 5.89 59.60 33.44 140.80 5 35 21 1613.3 12.06 54.85
 134.42 13 30 34 673.25 5.91 297.67 33.46 140.80 13 41 47 73.3 12.07 292.93
 45.58 4 58 27 2213.25 5.89 59.60 33.44 140.80 5 35 21 1613.3 12.06 54.85
 134.42 13 30 34 673.25 5.91 297.67 33.46 140.80 13 41 47 73.3 12.07 292.93
 45.58 4 58 27 2213.25 5.89 59.60 33.44 140.80 5 35 21 1613.3 12.06 54.85
 134.42 13 30 34 673.25 5.91 297.67 33.46 140.80 13 41 47 73.3 12.07 292.93

DIFFERENTIAL CORRECTIONS

TDE 4.6112 TRA 1.2915 TC3 -.0654 BAU .7346
 RDE-9.5880 RRA -.8452 RC3 .2103 FAU-.01587
 FDE-2.8248 FRA -.2246 FC3 .0551 BSP 3797
 BDE10.6392 BRA 1.5434 BC3 .2202 FSP -87

MID-COURSE EXECUTION ACCURACY

SGT 1842.6 SGR 3573.9 SG3 90.5
 RRT -.9593 RRF .9997 RTF -.9567
 SGB 4021.0 R23 -.0667 R13 .9975
 SG1 3993.9 SG2 465.9 THA 116.71

ORBIT DETERMINATION ACCURACY

ST 1687.4 SR 3480.8 SS 1629.4
 CRT -.9959 CRS-1.0000 CST .9955
 LSA 4195.0 MSA 141.5 SSA 1.2
 EL1 3865.8 EL2 137.8 ALF 115.81

LAUNCH DATE JUN 2 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 411.093

RL 151.72 LAL .00 LOL 250.79 VL 26.960 GAL .34 AZL 86.21 MCA 182.65 SMA 129.77 ECC .16921 INC 3.7848 V1 29.366
 RP 107.82 LAP -.17 LOP 73.43 VP 37.937 GAP .14 AZP 93.78 TAL 178.35 TAP 1.00 RCA 107.81 APO 151.73 V2 35.149
 RC 91.113 GL 35.83 GP -62.09 ZAL 91.94 ZAP 93.17 ETS 355.11 ZAE 120.69 ETE 255.89 ZAC 111.28 ETC 351.20 CLP -98.78

PLANETOCENTRIC CONIC

C3 9.257 VHL 3.043 DLA 40.98 RAL 176.90 RAD 6567.3 VEL 11.430 PTH 1.98 VHP 5.361 DPA -44.88 RAP 132.62 ECC 1.1523
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.04 21 0 36 4010.16 -33.16 175.60 38.14 64.39 22 7 26 3410.2 -36.30 167.05
 120.96 3 56 36 2727.49 -33.15 77.65 38.14 64.38 4 42 3 2127.5 -36.29 69.11
 59.04 21 0 36 4010.16 -33.16 175.60 38.14 64.39 22 7 26 3410.2 -36.30 167.05
 120.96 3 56 36 2727.49 -33.15 77.65 38.14 64.38 4 42 3 2127.5 -36.29 69.11
 59.04 21 0 36 4010.16 -33.16 175.60 38.14 64.39 22 7 26 3410.2 -36.30 167.05
 120.96 3 56 36 2727.49 -33.15 77.65 38.14 64.38 4 42 3 2127.5 -36.29 69.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5160 TRA .2942 TC3-2.0610 BAU .5460 SGT 1748.0 SGR 3504.9 SG3 459.2 ST 997.0 SR 1307.6 SS 903.8
 RDE .5855 RRA .9345 RC3-3.9008 FAU .06385 RRT .9400 RRF 1.0000 RTF .9396 CRT .9419 CRS-1.0000 CST -.9396
 FDE .8698 FRA 1.4090 FC3-5.9718 BSP 11354 SGB 3916.6 R23 .0676 R13 .9977 LSA 1853.9 MSA 288.9 SSA .9
 BDE .7804 BRA .9797 BC3 4.4118 FSP -1380 SG1 3879.3 SG2 538.8 THA 64.35 EL1 1622.0 EL2 269.9 ALF 53.12

LAUNCH DATE JUN 2 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 417.411

RL 151.72 LAL .00 LOL 250.79 VL 26.955 GAL .41 AZL 90.16 MCA 185.86 SMA 129.74 ECC .16953 INC .1278 V1 29.366
 RP 107.78 LAP .02 LOP 76.66 VP 37.944 GAP .56 AZP 89.84 TAL 177.99 TAP 3.85 RCA 107.75 APO 151.74 V2 35.160
 RC 93.352 GL -1.78 GP -37.61 ZAL 91.60 ZAP 99.23 ETS 353.62 ZAE 142.53 ETE 242.88 ZAC 114.70 ETC .07 CLP-101.68

PLANETOCENTRIC CONIC

C3 5.820 VHL 2.412 DLA 6.48 RAL 160.11 RAD 6567.2 VEL 11.279 PTH 1.93 VHP 3.510 DPA -22.35 RAP 144.36 ECC 1.0958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 34 3 2165.80 -18.36 38.42 5.95 111.95 5 10 9 1565.8 -15.22 31.15
 90.00 18 9 10 4405.52 6.62 183.49 4.72 62.41 19 22 35 3805.5 2.88 176.82
 100.00 5 58 29 1893.49 -19.05 18.08 5.64 113.48 6 30 2 1293.5 -15.72 10.88
 100.00 19 27 25 4153.05 7.29 164.57 4.36 60.93 20 36 38 3553.1 3.36 157.99
 110.00 7 13 47 1657.84 -20.90 359.25 4.70 117.68 7 41 25 1057.8 -17.03 352.26
 110.00 20 28 37 3961.47 9.04 148.96 3.29 56.89 21 34 38 3361.5 4.62 142.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0637 TRA .1077 TC3-4.1252 BAU .4732 SGT 2012.6 SGR 2392.2 SG3 993.7 ST 180.0 SR 498.4 SS 773.4
 RDE -.1696 RRA .3994 RC3-4.4689 FAU .14446 RRT .9551 RRF .9998 RTF .9555 CRT .9685 CRS -.9984 CST -.9730
 FDE -.9022 FRA 1.8798 FC-21.4886 BSP 9432 SGB 3126.2 R23 .1216 R13 .9924 LSA 936.2 MSA 42.3 SSA 22.3
 BDE .1811 BRA .4136 BC3 6.0818 FSP -3135 SG1 3092.0 SG2 461.6 THA 50.15 EL1 528.2 EL2 42.3 ALF 70.59

LAUNCH DATE JUN 2 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 423.720

RL 151.72 LAL .00 LOL 250.79 VL 26.948 GAL .50 AZL 91.31 MCA 189.09 SMA 129.69 ECC .17002 INC 1.3121 V1 29.366
 RP 107.75 LAP .21 LOP 79.88 VP 37.949 GAP .97 AZP 88.70 TAL 177.57 TAP 6.66 RCA 107.64 APO 151.75 V2 35.170
 RC 95.596 GL -14.28 GP -25.77 ZAL 90.62 ZAP 105.02 ETS 353.40 ZAE 150.14 ETE 226.79 ZAC 115.92 ETC 4.79 CLP-106.72

PLANETOCENTRIC CONIC

C3 6.260 VHL 2.502 DLA -5.48 RAL 156.31 RAD 6567.2 VEL 11.298 PTH 1.94 VHP 3.187 DPA -10.75 RAP 147.34 ECC 1.1030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 20 1805.29 -8.00 17.03 1.67 117.25 6 18 25 1205.3 -4.28 10.32
 90.00 16 24 35 4790.31 17.85 206.16 2.77 67.65 17 44 26 4190.3 14.67 198.93
 100.00 7 7 5 1551.23 -8.68 357.98 1.31 118.72 7 32 56 951.2 -4.78 351.36
 100.00 17 48 31 4519.60 18.56 185.93 2.45 66.14 19 3 51 3919.6 15.18 178.77
 110.00 8 9 24 1356.13 -10.48 342.09 .22 122.73 8 32 0 756.1 -6.09 335.75
 110.00 19 2 42 4287.47 20.44 167.34 1.48 61.99 20 14 9 3687.5 16.54 160.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3255 TRA .0815 TC3-4.4859 BAU .4490 SGT 2372.8 SGR 1690.3 SG3 1199.4 ST 750.5 SR 628.5 SS 1540.0
 RDE -.2634 RRA .2478 RC3-2.9424 FAU .17299 RRT .9629 RRF .9993 RTF .9639 CRT .9798 CRS -.9994 CST -.9857
 FDE -2.3659 FRA 1.9472 FC-23.9221 BSP 8746 SGB 2913.3 R23 .1750 R13 .9839 LSA 1820.8 MSA 120.0 SSA 6.3
 BDE .4187 BRA .2609 BC3 5.3648 FSP -3812 SG1 2889.1 SG2 374.5 THA 35.13 EL1 974.1 EL2 96.8 ALF 39.84

LAUNCH DATE JUN 2 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 430.011

RL 151.72 LAL .00 LOL 250.79 VL 26.939 GAL .60 AZL 91.87 MCA 192.32 SMA 129.63 ECC .17068 INC 1.8650 V1 29.366
 RP 107.72 LAP .40 LOP 83.11 VP 37.952 GAP 1.37 AZP 88.18 TAL 177.11 TAP 9.43 RCA 107.51 APO 151.76 V2 35.180
 RC 97.843 GL -19.75 GP -19.15 ZAL 89.58 ZAP 110.30 ETS 353.52 ZAE 151.63 ETE 212.89 ZAC 116.77 ETC 7.57 CLP-111.54

PLANETOCENTRIC CONIC

C3 6.730 VHL 2.594 DLA -10.93 RAL 155.18 RAD 6567.2 VEL 11.319 PTH 1.95 VHP 3.126 DPA -4.03 RAP 148.24 ECC 1.1108
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 43 1642.05 -2.81 7.83 1.42 118.19 6 54 .5 1042.0 .98 1.20
 90.00 15 37 11 4978.31 22.28 218.16 3.68 72.06 17 0 9 4378.3 19.62 210.50
 100.00 7 42 35 1397.28 -3.55 349.43 1.01 119.70 8 5 53 797.3 .43 342.90
 100.00 17 4 0 4698.31 23.08 197.28 3.39 70.46 18 22 18 4098.3 20.20 189.66
 110.00 8 38 25 1222.42 -5.48 334.96 359.81 123.79 8 58 48 622.4 -1.00 328.74
 110.00 18 24 39 4445.93 25.18 177.19 2.47 66.08 19 38 45 3845.9 21.73 169.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5134 TRA .0915 TC3-4.7372 BAU .4649 SGT 2714.6 SGR 1264.9 SG3 1251.6 ST 1138.0 SR 551.2 SS 1917.7
 RDE -.2429 RRA .1812 RC3-2.0632 FAU .17889 RRT .9679 RRF .9978 RTF .9699 CRT .9857 CRS -.9992 CST -.9915
 FDE -3.1560 FRA 1.9223 FC-23.0126 BSP 9018 SGB 2994.8 R23 .1919 R13 .9794 LSA 2293.2 MSA 133.0 SSA 6.3
 BDE .5680 BRA .2030 BC3 5.1669 FSP -4006 SG1 2980.8 SG2 289.7 THA 24.52 EL1 1261.7 EL2 83.9 ALF 25.64

LAUNCH DATE JUN 2 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 436.284

RL 151.72 LAL .00 LOL 250.79 VL 26.928 GAL .71 AZL 92.19 MCA 195.56 SMA 129.55 ECC .17151 INC 2.1909 V1 29.366
 RP 107.69 LAP .59 LOP 86.34 VP 37.953 GAP 1.77 AZP 87.89 TAL 176.59 TAP 12.14 RCA 107.34 APO 151.77 V2 35.190
 RC 100.092 GL -22.71 GP -15.00 ZAL 88.48 ZAP 115.13 ETS 353.74 ZAE 150.63 ETE 203.08 ZAC 117.46 ETC 9.44 CLP-116.08

PLANETOCENTRIC CONIC

C3 7.110 VHL 2.667 DLA -14.09 RAL 155.06 RAD 6567.2 VEL 11.336 PTH 1.95 VHP 3.154 DPA .30 RAP 148.44 ECC 1.1170
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 13 1544.28 .34 2.38 2.19 118.32 7 18 57 944.3 4.12 355.74
 90.00 15 9 46 5095.37 24.52 226.01 5.14 75.38 16 34 42 4495.4 22.27 218.06
 100.00 8 7 5 1305.95 -.46 344.41 1.75 119.89 8 28 51 705.9 3.52 337.88
 100.00 16 38 35 4808.93 25.40 204.67 4.88 73.69 17 58 44 4208.9 22.92 196.75
 110.00 8 58 34 1144.67 -2.52 330.89 .46 124.10 9 17 39 544.7 1.97 324.68
 110.00 18 3 35 4542.97 27.70 183.61 4.01 69.12 19 19 18 3943.0 24.61 175.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6708 TRA .1197 TC3-4.9786 BAU .4955 SGT 3032.7 SGR 988.3 SG3 1235.8 ST 1445.8 SR 447.3 SS 2100.8
 RDE -.2028 RRA .1478 RC3-1.5458 FAU .17491 RRT .9688 RRF .9945 RTF .9735 CRT .9862 CRS -.9984 CST -.9939
 FDE-3.5357 FRA 1.9077 FC-21.2971 BSP 9641 SGB 3189.7 R23 .1845 R13 .9780 LSA 2585.6 MSA 137.6 SSA 7.1
 BDE .7008 BRA .1902 BC3 5.2130 FSP -3954 SG1 3181.1 SG2 233.6 THA 17.62 EL1 1511.8 EL2 70.9 ALF 17.01

LAUNCH DATE JUN 2 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 442.538

RL 151.72 LAL .00 LOL 250.79 VL 26.914 GAL .83 AZL 92.41 MCA 198.79 SMA 129.46 ECC .17248 INC 2.4069 V1 29.366
 RP 107.66 LAP .78 LOP 89.57 VP 37.952 GAP 2.16 AZP 87.72 TAL 176.02 TAP 14.81 RCA 107.13 APO 151.79 V2 35.199
 RC 102.344 GL -24.50 GP -12.17 ZAL 87.31 ZAP 119.58 ETS 353.98 ZAE 148.70 ETE 196.62 ZAC 117.98 ETC 10.81 CLP-120.33

PLANETOCENTRIC CONIC

C3 7.429 VHL 2.726 DLA -16.21 RAL 155.48 RAD 6567.2 VEL 11.350 PTH 1.96 VHP 3.223 DPA 3.30 RAP 148.45 ECC 1.1223
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 22 1476.15 2.54 358.57 3.41 118.21 7 38 58 876.2 6.29 351.90
 90.00 14 51 56 5179.15 25.84 231.79 6.81 77.99 16 18 15 4579.2 23.92 223.65
 100.00 8 26 39 1242.93 1.68 340.95 2.93 119.85 8 47 22 642.9 5.64 334.40
 100.00 16 22 20 4887.61 26.79 210.10 6.56 76.22 17 43 48 4287.6 24.63 201.97
 110.00 9 14 48 1092.07 -.51 328.14 1.57 124.18 9 33 0 492.1 3.98 321.93
 110.00 17 50 40 4611.24 29.27 188.30 5.75 71.50 19 7 31 4011.2 26.46 180.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8130 TRA .1566 TC3-5.2104 BAU .5315 SGT 3332.4 SGR 800.1 SG3 1190.0 ST 1714.1 SR 354.3 SS 2191.4
 RDE -.1634 RRA .1282 RC3-1.2214 FAU .16687 RRT .9656 RRF .9877 RTF .9759 CRT .9838 CRS -.9965 CST -.9952
 FDE-3.6936 FRA 1.8866 FC-19.4460 BSP 10424 SGB 3427.1 R23 .1612 R13 .9782 LSA 2801.2 MSA 139.2 SSA 8.1
 BDE .8292 BRA .2024 BC3 5.3516 FSP -3812 SG1 3421.1 SG2 202.8 THA 13.10 EL1 1749.3 EL2 62.2 ALF 11.51

LAUNCH DATE JUN 2 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 448.773

RL 151.72 LAL .00 LOL 250.79 VL 26.899 GAL .96 AZL 92.56 MCA 202.03 SMA 129.36 ECC .17362 INC 2.5612 V1 29.366
 RP 107.63 LAP .96 LOP 92.80 VP 37.949 GAP 2.56 AZP 87.63 TAL 175.41 TAP 17.44 RCA 106.90 APO 151.82 V2 35.208
 RC 104.596 GL -25.65 GP -10.13 ZAL 86.05 ZAP 123.66 ETS 354.22 ZAE 146.52 ETE 192.37 ZAC 118.29 ETC 11.85 CLP-124.27

PLANETOCENTRIC CONIC

C3 7.712 VHL 2.777 DLA -17.78 RAL 156.23 RAD 6567.3 VEL 11.362 PTH 1.96 VHP 3.318 DPA 5.45 RAP 148.46 ECC 1.1269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 48 1423.92 4.21 355.65 4.89 118.03 7 56 32 823.9 7.93 348.94
 90.00 14 39 31 5244.95 26.69 236.42 8.60 80.16 16 6 55 4644.9 25.05 228.13
 100.00 8 43 43 1195.10 3.30 338.32 4.38 119.73 9 3 38 595.1 7.23 331.74
 100.00 16 11 17 4949.00 27.71 214.43 8.38 78.33 17 33 46 4349.0 25.82 206.14
 110.00 9 29 6 1052.91 .99 326.10 2.94 124.17 9 46 39 452.9 5.47 319.88
 110.00 17 42 23 4663.95 30.35 192.03 7.62 73.46 19 0 7 4064.0 27.79 183.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9433 TRA .2038 TC3-5.4142 BAU .5678 SGT 3609.1 SGR 667.7 SG3 1130.5 ST 1952.8 SR 275.7 SS 2228.6
 RDE -.1282 RRA .1170 RC3-1.0050 FAU .15695 RRT .9566 RRF .9757 RTF .9774 CRT .9776 CRS -.9923 CST -.9959
 FDE-3.7186 FRA 1.8795 FC-17.6180 BSP 11206 SGB 3670.3 R23 .1305 R13 .9787 LSA 2972.6 MSA 139.4 SSA 9.1
 BDE .9520 BRA .2351 BC3 5.5066 FSP -3616 SG1 3665.3 SG2 191.5 THA 10.06 EL1 1971.3 EL2 57.5 ALF 7.87

LAUNCH DATE JUN 2 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 454.989

RL 151.72 LAL .00 LOL 250.79 VL 26.882 GAL 1.11 AZL 92.68 MCA 205.27 SMA 129.25 ECC .17490 INC 2.6779 V1 29.366
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.945 GAP 2.94 AZP 87.58 TAL 174.75 TAP 20.01 RCA 106.64 APO 151.85 V2 35.216
 RC 106.849 GL -26.40 GP -8.59 ZAL 84.71 ZAP 127.42 ETS 354.43 ZAE 144.35 ETE 189.53 ZAC 118.40 ETC 12.65 CLP-127.92

PLANETOCENTRIC CONIC

C3 7.979 VHL 2.825 DLA -19.02 RAL 157.23 RAD 6567.3 VEL 11.374 PTH 1.96 VHP 3.430 DPA 7.04 RAP 148.57 ECC 1.1313
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 49 46 1381.21 5.57 353.25 6.57 117.81 8 12 48 781.2 9.25 346.50
 90.00 14 30 29 5300.12 27.27 240.36 10.50 82.05 15 58 49 4700.1 25.88 231.96
 100.00 8 59 26 1156.41 4.60 336.19 6.03 119.57 9 18 43 556.4 8.50 329.58
 100.00 16 3 31 5000.16 28.37 218.10 10.31 80.15 17 26 51 4400.2 26.71 209.68
 110.00 9 42 22 1021.87 2.18 324.48 4.52 124.12 9 59 24 421.9 6.64 318.24
 110.00 17 37 4 4707.46 31.15 195.16 9.60 75.16 18 55 31 4107.5 28.80 186.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.0650 TRA .2576 TC3-5.5885 BAU .6030 SGT 3865.1 SGR 572.4 SG3 1064.4 ST 2168.6 SR 210.0 SS 2230.8
 RDE -.0972 RRA .1102 RC3 -.8543 FAU .14641 RRT .9402 RRF .9562 RTF .9785 CRT .9639 CRS -.9825 CST -.9964
 FDE-3.6607 FRA 1.8694 FC-15.8864 BSP 11991 SGB 3907.3 R23 .0997 R13 .9792 LSA 3115.1 MSA 139.0 SSA 10.1
 BDE 1.0694 BRA .2801 BC3 5.6534 FSP -3413 SG1 3902.5 SG2 193.1 THA 7.95 EL1 2178.0 EL2 55.7 ALF 5.34

LAUNCH DATE JUN 2 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 461.186

RL 151.72 LAL .00 LOL 250.79 VL 26.864 GAL 1.27 AZL 92.77 HCA 208.51 SMA 129.12 ECC .17634 INC 2.7696 V1 29.366
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.938 GAP 3.33 AZP 87.57 TAL 174.04 TAP 22.55 RCA 106.35 APO 151.89 V2 35.223
 RC 109.101 GL -26.88 GP -7.40 ZAL 83.29 ZAP 130.89 ETS 354.61 ZAE 142.29 ETE 187.57 ZAC 118.29 ETC 13.28 CLP-131.31

PLANETOCENTRIC CONIC

C3 8.241 VHL 2.871 DLA -20.05 RAL 158.42 RAD 6567.3 VEL 11.386 PTH 1.97 VHP 3.556 DPA 8.21 RAP 148.82 ECC 1.1356
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 58 1344.69 6.73 351.19 8.41 117.57 8 28 23 744.7 10.37 344.40
 90.00 14 23 47 5348.68 27.68 243.85 12.51 83.75 15 52 55 4748.7 26.52 235.37
 100.00 9 14 27 1123.70 5.69 334.38 7.85 119.39 9 33 10 523.7 9.57 327.74
 100.00 15 57 59 5044.90 28.84 221.34 12.35 81.79 17 22 4 4444.9 27.41 212.83
 110.00 9 55 8 996.20 3.16 323.14 6.27 124.05 10 11 44 396.2 7.60 316.88
 110.00 17 33 47 4745.17 31.78 197.93 11.70 76.68 18 52 53 4145.2 29.62 189.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1809 TRA .3181 TC3-5.7318 BAU .6369 SGT 4103.9 SGR 504.0 SG3 998.0 ST 2367.6 SR 156.2 SS 2216.1
 RDE -.0702 RRA .1063 RC3 -.7459 FAU .13596 RRT .9148 RRF .9276 RTF .9792 CRT .9337 CRS -.9586 CST -.9968
 FDE-3.5630 FRA 1.8606 FC-14.2816 BSP 12735 SGB 4134.7 R23 .0736 R13 .9796 LSA 3243.8 MSA 138.1 SSA 11.1
 BDE 1.1830 BRA .3354 BC3 5.7801 FSP -3202 SG1 4129.8 SG2 202.3 THA 6.43 EL1 2372.1 EL2 55.8 ALF 3.53

LAUNCH DATE JUN 2 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 467.362

RL 151.72 LAL .00 LOL 250.79 VL 26.844 GAL 1.45 AZL 92.84 HCA 211.75 SMA 128.99 ECC .17794 INC 2.8440 V1 29.366
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.931 GAP 3.71 AZP 87.58 TAL 173.30 TAP 25.05 RCA 106.04 APO 151.94 V2 35.230
 RC 111.351 GL -27.16 GP -6.46 ZAL 81.80 ZAP 134.09 ETS 354.77 ZAE 140.40 ETE 186.20 ZAC 117.99 ETC 13.77 CLP-134.45

PLANETOCENTRIC CONIC

C3 8.510 VHL 2.917 DLA -20.94 RAL 159.77 RAD 6567.3 VEL 11.397 PTH 1.97 VHP 3.692 DPA 9.07 RAP 149.23 ECC 1.1401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 21 46 1312.48 7.74 349.36 10.41 117.32 8 43 38 712.5 11.34 342.53
 90.00 14 18 44 5392.95 27.96 247.06 14.64 85.34 15 48 37 4793.0 27.02 238.52
 100.00 9 29 5 1095.23 6.64 332.80 9.82 119.21 9 47 20 495.2 10.49 326.12
 100.00 15 54 6 5085.43 29.20 224.30 14.50 83.31 17 18 52 4485.4 27.97 215.71
 110.00 10 7 38 974.38 3.99 322.00 8.17 123.98 10 23 53 374.4 8.42 315.72
 110.00 17 32 2 4779.04 32.28 200.44 13.92 78.09 18 51 41 4179.0 30.30 191.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2917 TRA .3857 TC3-5.8410 BAU .6689 SGT 4325.2 SGR 455.1 SG3 933.0 ST 2550.6 SR 112.9 SS 2188.1
 RDE -.0463 RRA .1045 RC3 -.6650 FAU .12584 RRT .8794 RRF .8889 RTF .9796 CRT .8606 CRS -.8957 CST -.9971
 FDE-3.4395 FRA 1.8526 FC-12.8015 BSP 13457 SGB 4349.1 R23 .0531 R13 .9798 LSA 3359.6 MSA 136.9 SSA 12.2
 BDE 1.2925 BRA .3996 BC3 5.8788 FSP -3005 SG1 4343.8 SG2 215.7 THA 5.30 EL1 2552.4 EL2 57.5 ALF 2.18

LAUNCH DATE JUN 2 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 473.520

RL 151.72 LAL .00 LOL 250.79 VL 26.823 GAL 1.63 AZL 92.91 HCA 214.99 SMA 128.85 ECC .17969 INC 2.9059 V1 29.366
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.921 GAP 4.09 AZP 87.62 TAL 172.51 TAP 27.50 RCA 105.70 APO 152.00 V2 35.236
 RC 113.598 GL -27.28 GP -5.70 ZAL 80.23 ZAP 137.05 ETS 354.90 ZAE 138.67 ETE 185.20 ZAC 117.49 ETC 14.14 CLP-137.36

PLANETOCENTRIC CONIC

C3 8.793 VHL 2.965 DLA -21.73 RAL 161.25 RAD 6567.3 VEL 11.410 PTH 1.97 VHP 3.837 DPA 9.68 RAP 149.80 ECC 1.1447
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 24 1283.45 8.64 347.71 12.55 117.07 8 58 47 683.5 12.21 340.84
 90.00 14 14 57 5434.39 28.15 250.08 16.88 86.84 15 45 31 4834.4 27.42 241.49
 100.00 9 43 33 1069.95 7.48 331.39 11.93 119.03 10 1 23 470.0 11.30 324.68
 100.00 15 51 29 5123.12 29.47 227.07 16.77 84.74 17 16 52 4523.1 28.43 218.42
 110.00 10 20 2 955.55 4.70 321.01 10.22 123.90 10 35 58 355.5 9.12 314.71
 110.00 17 31 28 4810.29 32.70 202.78 16.25 79.42 18 51 39 4210.3 30.89 194.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3965 TRA .4613 TC3-5.9071 BAU .6980 SGT 4524.9 SGR 420.2 SG3 869.0 ST 2715.7 SR 81.1 SS 2147.3
 RDE -.0244 RRA .1043 RC3 -.6016 FAU .11593 RRT .8338 RRF .8398 RTF .9797 CRT .6686 CRS -.7195 CST -.9973
 FDE-3.2967 FRA 1.8477 FC-11.4143 BSP 14109 SGB 4544.4 R23 .0376 R13 .9799 LSA 3460.3 MSA 135.8 SSA 13.1
 BDE 1.3967 BRA .4729 BC3 5.9377 FSP -2806 SG1 4538.5 SG2 231.3 THA 4.44 EL1 2716.2 EL2 60.3 ALF 1.14

LAUNCH DATE JUN 2 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 479.656

RL 151.72 LAL .00 LOL 250.79 VL 26.801 GAL 1.83 AZL 92.96 HCA 218.24 SMA 128.70 ECC .18160 INC 2.9586 V1 29.366
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.911 GAP 4.48 AZP 87.68 TAL 171.69 TAP 29.92 RCA 105.33 APO 152.07 V2 35.241
 RC 115.842 GL -27.29 GP -5.07 ZAL 78.59 ZAP 139.79 ETS 354.99 ZAE 137.11 ETE 184.47 ZAC 116.82 ETC 14.41 CLP-140.06

PLANETOCENTRIC CONIC

C3 9.096 VHL 3.016 DLA -22.43 RAL 162.85 RAD 6567.3 VEL 11.423 PTH 1.98 VHP 3.991 DPA 10.09 RAP 150.53 ECC 1.1497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 58 1256.97 9.46 346.19 14.83 116.81 9 13 55 657.0 12.99 339.29
 90.00 14 12 9 5473.90 28.27 252.96 19.23 88.28 15 43 23 4873.9 27.73 244.34
 100.00 9 57 56 1047.30 8.23 330.12 14.17 118.84 10 15 24 447.3 12.01 323.38
 100.00 15 49 53 5158.81 29.66 229.70 19.15 86.12 17 15 52 4558.8 28.81 221.00
 110.00 10 32 25 939.20 5.32 320.15 12.39 123.82 10 48 4 339.2 9.73 313.83
 110.00 17 31 53 4839.66 33.04 205.00 18.70 80.69 18 52 33 4239.7 31.40 196.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4991 TRA .5437 TC3-5.9456 BAU .7262 SGT 4713.9 SGR 397.0 SG3 810.3 ST 2869.5 SR 66.2 SS 2104.5
 RDE -.0046 RRA .1051 RC3 -.5520 FAU .10694 RRT .7804 RRF .7827 RTF .9799 CRT .2511 CRS -.3165 CST -.9975
 FDE-3.1554 FRA 1.8417 FC-10.1777 BSP 14740 SGB 4730.6 R23 .0255 R13 .9800 LSA 3556.6 MSA 134.6 SSA 14.1
 BDE 1.4991 BRA .5538 BC3 5.9712 FSP -2627 SG1 4724.1 SG2 247.7 THA 3.77 EL1 2869.5 EL2 64.0 ALF .33

LAUNCH DATE JUN 2 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 485.773

RL 151.72 LAL .00 LOL 250.79 VL 26.778 GAL 2.05 AZL 93.00 MCA 221.48 SMA 128.54 ECC .18368 INC 3.0043 V1 29.366
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.899 GAP 4.86 AZP 87.75 TAL 170.83 TAP 32.31 RCA 104.93 APO 152.15 V2 35.246
 RC 118.080 GL -27.18 GP -4.55 ZAL 76.90 ZAP 142.34 ETS 355.06 ZAE 135.70 ETE 183.93 ZAC 115.99 ETC 14.59 CLP-142.57

PLANETOCENTRIC CONIC

C3 9.427 VML 3.070 DLA -23.06 RAL 164.56 RAD 6567.3 VEL 11.437 PTH 1.98 VHP 4.151 DPA 10.34 RAP 151.40 ECC 1.1551
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 35 1232.64 10.20 344.79 17.24 116.56 9 29 7 632.6 13.69 337.85
 90.00 14 10 11 5512.09 28.32 255.75 21.69 89.68 15 42 3 4912.1 27.97 247.10
 100.00 10 12 19 1026.92 8.89 328.98 16.55 118.66 10 29 26 426.9 12.65 322.20
 100.00 15 49 8 5193.05 29.79 232.24 21.65 87.45 17 15 41 4593.1 29.12 223.50
 110.00 10 44 48 925.07 5.86 319.41 14.69 123.74 11 0 13 325.1 10.25 313.07
 110.00 17 33 9 4867.66 33.33 207.14 21.26 81.92 18 54 16 4267.7 31.85 198.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5946 TRA .6379 TC3-5.9330 BAU .7505 SGT 4878.7 SGR 381.7 SG3 753.0 ST 3002.9 SR 71.1 SS 2049.9
 RDE .0144 RRA .1071 RC3 -5.5093 FAU .09800 RRT .7200 RRF .7191 RTF .9796 CRT -.2503 CRS .1854 CST -.9976
 FDE-3.0017 FRA 1.8473 FC3-9.0006 BSP 15238 SGB 4893.6 R23 .0169 R13 .9796 LSA 3634.1 MSA 134.5 SSA 14.9
 BDE 1.5947 BRA .6468 BC3 5.9548 FSP -2435 SG1 4886.5 SG2 264.5 THA 3.23 EL1 3003.0 EL2 68.8 ALF 179.66

LAUNCH DATE JUN 2 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 491.867

RL 151.72 LAL .00 LOL 250.79 VL 26.753 GAL 2.28 AZL 93.04 MCA 224.73 SMA 128.38 ECC .18593 INC 3.0445 V1 29.366
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.885 GAP 5.24 AZP 87.84 TAL 169.94 TAP 34.67 RCA 104.51 APO 152.25 V2 35.250
 RC 120.312 GL -26.99 GP -4.11 ZAL 75.15 ZAP 144.71 ETS 355.09 ZAE 134.43 ETE 183.51 ZAC 115.02 ETC 14.71 CLP-144.92

PLANETOCENTRIC CONIC

C3 9.790 VML 3.129 DLA -23.64 RAL 166.36 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 4.318 DPA 10.45 RAP 152.41 ECC 1.1611
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 24 12 1210.31 10.88 343.50 19.77 116.30 9 44 23 610.3 14.33 336.52
 90.00 14 8 56 5549.30 28.30 258.47 24.25 91.04 15 41 25 4949.3 28.14 249.81
 100.00 10 26 40 1008.67 9.49 327.95 19.04 118.48 10 43 29 408.7 13.22 321.15
 100.00 15 49 9 5226.16 29.87 234.70 24.25 88.74 17 16 15 4626.2 29.37 225.93
 110.00 10 57 10 913.02 6.31 318.77 17.11 123.67 11 12 24 313.0 10.69 312.42
 110.00 17 35 8 4894.58 33.57 209.20 23.94 83.12 18 56 43 4294.6 32.25 200.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6911 TRA .7372 TC3-5.9017 BAU .7749 SGT 5039.8 SGR 373.0 SG3 701.9 ST 3130.0 SR 88.5 SS 1999.5
 RDE .0321 RRA .1093 RC3 -.4739 FAU .09019 RRT .6571 RRF .6528 RTF .9795 CRT -.5489 CRS .4939 CST -.9978
 FDE-2.8626 FRA 1.8450 FC3-7.9761 BSP 15787 SGB 5053.6 R23 .0095 R13 .9795 LSA 3712.8 MSA 133.9 SSA 15.7
 BDE 1.6914 BRA .7452 BC3 5.9207 FSP -2279 SG1 5045.8 SG2 280.8 THA 2.79 EL1 3130.4 EL2 73.9 ALF 179.11

LAUNCH DATE JUN 2 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 497.939

RL 151.72 LAL .00 LOL 250.79 VL 26.728 GAL 2.52 AZL 93.08 MCA 227.98 SMA 128.21 ECC .18835 INC 3.0802 V1 29.366
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.870 GAP 5.63 AZP 87.94 TAL 169.02 TAP 36.99 RCA 104.06 APO 152.36 V2 35.253
 RC 122.538 GL -26.71 GP -3.74 ZAL 73.35 ZAP 146.92 ETS 355.10 ZAE 133.29 ETE 183.19 ZAC 113.91 ETC 14.77 CLP-147.11

PLANETOCENTRIC CONIC

C3 10.192 VML 3.192 DLA -24.16 RAL 168.24 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 4.491 DPA 10.44 RAP 153.54 ECC 1.1677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 51 1189.89 11.49 342.31 22.42 116.06 9 59 41 589.9 14.91 335.30
 90.00 14 8 18 5585.76 28.23 261.14 26.91 92.38 15 41 23 4985.8 28.26 252.47
 100.00 10 40 59 992.52 10.01 327.03 21.65 118.31 10 57 32 392.5 13.72 320.21
 100.00 15 49 50 5258.36 29.89 237.09 26.95 90.00 17 17 29 4658.4 29.57 228.30
 110.00 11 9 31 903.02 6.69 318.24 19.63 123.60 11 24 34 303.0 11.06 311.88
 110.00 17 37 48 4920.62 33.76 211.21 26.72 84.30 18 59 48 4320.6 32.60 202.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7839 TRA .8452 TC3-5.8363 BAU .7975 SGT 5186.6 SGR 368.8 SG3 653.9 ST 3242.1 SR 110.8 SS 1944.7
 RDE .0494 RRA .1119 RC3 -.4423 FAU .08290 RRT .5931 RRF .5855 RTF .9793 CRT -.6953 CRS .6488 CST -.9979
 FDE-2.7249 FRA 1.8438 FC3-7.0419 BSP 16280 SGB 5199.7 R23 .0035 R13 .9793 LSA 3779.9 MSA 134.0 SSA 16.3
 BDE 1.7846 BRA .8526 BC3 5.8530 FSP -2131 SG1 5191.2 SG2 296.7 THA 2.42 EL1 3243.1 EL2 79.6 ALF 178.64

LAUNCH DATE JUN 2 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 503.989

RL 151.72 LAL .00 LOL 250.79 VL 26.702 GAL 2.78 AZL 93.11 MCA 231.22 SMA 128.04 ECC .19096 INC 3.1125 V1 29.366
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.854 GAP 6.01 AZP 88.05 TAL 168.06 TAP 39.29 RCA 103.59 APO 152.49 V2 35.256
 RC 124.755 GL -26.36 GP -3.43 ZAL 71.51 ZAP 149.00 ETS 355.08 ZAE 132.27 ETE 182.94 ZAC 112.69 ETC 14.79 CLP-149.17

PLANETOCENTRIC CONIC

C3 10.640 VML 3.262 DLA -24.63 RAL 170.19 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 4.670 DPA 10.33 RAP 154.78 ECC 1.1751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 55 27 1171.44 12.04 341.24 25.18 115.82 10 14 58 571.4 15.42 334.19
 90.00 14 8 15 5621.56 28.10 263.75 29.66 93.68 15 41 57 5021.6 28.31 255.09
 100.00 10 55 12 978.51 10.46 326.24 24.36 118.16 11 11 31 378.5 14.15 319.39
 100.00 15 51 11 5289.72 29.87 239.42 29.75 91.22 17 19 21 4689.7 29.72 230.62
 110.00 11 21 48 895.09 6.99 317.82 22.26 123.55 11 36 43 295.1 11.35 311.44
 110.00 17 41 4 4945.91 33.92 213.17 29.61 85.45 19 3 30 4345.9 32.91 204.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8746 TRA .9626 TC3-5.7404 BAU .8186 SGT 5322.3 SGR 368.0 SG3 609.7 ST 3341.7 SR 134.5 SS 1888.5
 RDE .0664 RRA .1147 RC3 -.4131 FAU .07618 RRT .5299 RRF .5195 RTF .9790 CRT -.7698 CRS .7293 CST -.9980
 FDE-2.5930 FRA 1.8445 FC3-6.1986 BSP 16741 SGB 5335.0 R23 -.0012 R13 .9790 LSA 3838.4 MSA 134.6 SSA 16.8
 BDE 1.8758 BRA .9694 BC3 5.7552 FSP -1994 SG1 5325.8 SG2 311.8 THA 2.11 EL1 3343.3 EL2 85.8 ALF 178.22

LAUNCH DATE JUN 2 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 510.015

RL 151.72 LAL .00 LOL 250.79 VL 26.675 GAL 3.06 AZL 93.14 MCA 234.47 SMA 127.86 ECC .19376 INC 3.1421 V1 29.366
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.837 GAP 6.41 AZP 88.17 TAL 167.09 TAP 41.56 RCA 103.09 APO 152.64 V2 35.258
 RC 126.964 GL -25.94 GP -3.15 ZAL 69.64 ZAP 150.96 ETS 355.03 ZAE 131.35 ETE 182.74 ZAC 111.35 ETC 14.77 CLP-151.11

PLANETOCENTRIC CONIC

C3 11.140 VHL 3.338 DLA -25.06 RAL 172.20 RAD 6567.4 VEL 11.512 PTH 2.01 VHP 4.856 DPA 10.13 RAP 156.12 ECC 1.1833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 10 56 1155.07 12.53 340.28 28.03 115.60 10 30 11 555.1 15.87 333.20
 90.00 14 8 47 5656.72 27.92 266.31 32.50 94.95 15 43 4 5056.7 28.31 257.66
 100.00 11 9 16 966.75 10.84 325.57 27.16 118.03 11 25 23 366.8 14.50 318.70
 100.00 15 53 9 5320.27 29.80 241.69 32.64 92.42 17 21 49 4720.3 29.82 232.89
 110.00 11 33 58 889.28 7.21 317.51 24.97 123.51 11 48 47 289.3 11.56 311.13
 110.00 17 44 56 4970.51 34.03 215.08 32.59 86.57 19 7 47 4370.5 33.18 205.95

DIFFERENTIAL CORRECTIONS

TDE-1.9608 TRA 1.0924 TC3-5.6056 BAU .8368
 RDE .0835 RRA .1178 RC3 -.3852 FAU .06972
 FDE-2.4631 FRA 1.8514 FC3-5.4187 BSP 17101
 BDE 1.9626 BRA 1.0987 BC3 5.6189 FSP -1857

MID-COURSE EXECUTION ACCURACY

SGT 5442.2 SGR 369.4 SG3 568.3
 RRT .4686 RRF .4557 RTF .9785
 SGB 5454.7 R23 -.0050 R13 .9785
 SG1 5444.9 SG2 326.2 THA 1.83

ORBIT DETERMINATION ACCURACY

ST 3424.7 SR 158.3 SS 1828.6
 CRT -.8110 CRS .7744 CST -.9981
 LSA 3883.1 MSA 136.3 SSA 17.2
 EL1 3427.1 EL2 92.6 ALF 177.85

LAUNCH DATE JUN 2 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 516.015

RL 151.72 LAL .00 LOL 250.79 VL 26.648 GAL 3.35 AZL 93.17 MCA 237.72 SMA 127.68 ECC .19677 INC 3.1693 V1 29.366
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.819 GAP 6.80 AZP 88.31 TAL 166.08 TAP 43.80 RCA 102.56 APO 152.81 V2 35.259
 RC 129.165 GL -25.47 GP -2.92 ZAL 67.75 ZAP 152.80 ETS 354.95 ZAE 130.53 ETE 182.57 ZAC 109.92 ETC 14.72 CLP-152.95

PLANETOCENTRIC CONIC

C3 11.699 VHL 3.420 DLA -25.44 RAL 174.26 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 5.047 DPA 9.85 RAP 157.55 ECC 1.1925
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 26 13 1140.99 12.94 339.45 30.98 115.41 10 45 14 541.0 16.26 332.34
 90.00 14 9 54 5691.14 27.69 268.80 35.41 96.18 15 44 45 5091.1 28.26 260.18
 100.00 11 23 5 957.40 11.14 325.04 30.05 117.92 11 39 2 357.4 14.79 318.15
 100.00 15 55 43 5349.97 29.70 243.89 35.61 93.57 17 24 53 4750.0 29.88 235.09
 110.00 11 45 56 885.70 7.34 317.32 27.77 123.48 12 0 42 285.7 11.69 310.93
 110.00 17 49 21 4994.44 34.11 216.95 35.67 87.67 19 12 36 4394.4 33.41 207.78

DIFFERENTIAL CORRECTIONS

TDE-2.0484 TRA 1.2286 TC3-5.4570 BAU .8553
 RDE .1005 RRA .1207 RC3 -.3589 FAU .06404
 FDE-2.3457 FRA 1.8534 FC3-4.7391 BSP 17511
 BDE 2.0508 BRA 1.2345 BC3 5.4688 FSP -1743

MID-COURSE EXECUTION ACCURACY

SGT 5559.0 SGR 372.5 SG3 531.0
 RRT .4100 RRF .3949 RTF .9782
 SGB 5571.5 R23 -.0084 R13 .9782
 SG1 5561.1 SG2 339.6 THA 1.58

ORBIT DETERMINATION ACCURACY

ST 3500.5 SR 181.4 SS 1772.1
 CRT -.8361 CRS .8025 CST -.9982
 LSA 3925.3 MSA 138.2 SSA 17.4
 EL1 3503.8 EL2 99.4 ALF 177.52

LAUNCH DATE JUN 2 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 521.989

RL 151.72 LAL .00 LOL 250.79 VL 26.620 GAL 3.66 AZL 93.19 MCA 240.97 SMA 127.50 ECC .19999 INC 3.1946 V1 29.366
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.799 GAP 7.20 AZP 88.45 TAL 165.06 TAP 46.03 RCA 102.00 APO 153.00 V2 35.259
 RC 131.355 GL -24.94 GP -2.71 ZAL 65.84 ZAP 154.55 ETS 354.84 ZAE 129.78 ETE 182.44 ZAC 108.41 ETC 14.64 CLP-154.68

PLANETOCENTRIC CONIC

C3 12.326 VHL 3.511 DLA -25.77 RAL 176.35 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 5.246 DPA 9.50 RAP 159.06 ECC 1.2029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 11 1129.46 13.28 338.77 34.00 115.24 11 0 0 529.5 16.57 331.64
 90.00 14 11 36 5724.69 27.42 271.22 38.40 97.36 15 47 1 5124.7 28.15 262.63
 100.00 11 36 33 950.65 11.35 324.65 33.02 117.84 11 52 24 350.7 14.99 317.75
 100.00 15 58 55 5378.73 29.56 246.02 38.66 94.68 17 28 34 4778.7 29.89 237.23
 110.00 11 57 40 884.43 7.39 317.26 30.64 123.47 12 12 24 284.4 11.74 310.86
 110.00 17 54 18 5017.72 34.16 218.76 38.82 88.75 19 17 56 4417.7 33.61 209.56

DIFFERENTIAL CORRECTIONS

TDE-2.1345 TRA 1.3745 TC3-5.2848 BAU .8726
 RDE .1178 RRA .1234 RC3 -.3332 FAU .05878
 FDE-2.2351 FRA 1.8555 FC3-4.1286 BSP 17898
 BDE 2.1378 BRA 1.3800 BC3 5.2952 FSP -1638

MID-COURSE EXECUTION ACCURACY

SGT 5666.5 SGR 376.5 SG3 496.4
 RRT .3540 RRF .3368 RTF .9779
 SGB 5679.0 R23 -.0115 R13 .9779
 SG1 5668.0 SG2 352.0 THA 1.35

ORBIT DETERMINATION ACCURACY

ST 3564.5 SR 203.8 SS 1715.7
 CRT -.8521 CRS .8208 CST -.9983
 LSA 3958.6 MSA 140.6 SSA 17.6
 EL1 3568.7 EL2 106.5 ALF 177.21

LAUNCH DATE JUN 2 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 527.935

RL 151.72 LAL .00 LOL 250.79 VL 26.591 GAL 3.98 AZL 93.22 MCA 244.21 SMA 127.31 ECC .20345 INC 3.2184 V1 29.366
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.778 GAP 7.61 AZP 88.60 TAL 164.01 TAP 48.23 RCA 104.41 APO 153.22 V2 35.259
 RC 133.537 GL -24.37 GP -2.53 ZAL 63.92 ZAP 156.20 ETS 354.71 ZAE 129.11 ETE 182.33 ZAC 106.81 ETC 14.56 CLP-156.33

PLANETOCENTRIC CONIC

C3 13.030 VHL 3.610 DLA -26.06 RAL 178.46 RAD 6567.5 VEL 11.594 PTH 2.03 VHP 5.451 DPA 9.09 RAP 160.63 ECC 1.2144
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 55 42 1120.76 13.53 338.25 37.09 115.11 11 14 23 520.8 16.80 331.11
 90.00 14 13 58 5757.15 27.11 273.54 41.45 98.49 15 49 55 5157.2 28.01 264.99
 100.00 11 49 36 946.69 11.48 324.42 36.05 117.79 12 5 23 346.7 15.11 317.51
 100.00 16 2 45 5406.45 29.39 248.06 41.78 95.74 17 32 51 4806.5 29.87 239.29
 110.00 12 9 5 885.56 7.35 317.32 33.57 123.48 12 23 51 285.6 11.70 310.93
 110.00 17 59 45 5040.35 34.18 220.53 42.05 89.79 19 23 46 4440.4 33.78 211.31

DIFFERENTIAL CORRECTIONS

TDE-2.2191 TRA 1.5315 TC3-5.0903 BAU .8883
 RDE .1356 RRA .1258 RC3 -.3080 FAU .05389
 FDE-2.1307 FRA 1.8595 FC3-3.5807 BSP 18248
 BDE 2.2232 BRA 1.5367 BC3 5.0996 FSP -1539

MID-COURSE EXECUTION ACCURACY

SGT 5764.9 SGR 381.0 SG3 464.6
 RRT .3008 RRF .2818 RTF .9775
 SGB 5777.4 R23 -.0140 R13 .9775
 SG1 5766.0 SG2 363.3 THA 1.14

ORBIT DETERMINATION ACCURACY

ST 3616.3 SR 225.4 SS 1659.4
 CRT -.8626 CRS .8330 CST -.9983
 LSA 3982.6 MSA 143.7 SSA 17.6
 EL1 3621.6 EL2 113.9 ALF 176.92

LAUNCH DATE JUN 2 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 533.851

RL 151.72 LAL .00 LOL 250.79 VL 26.562 GAL 4.33 AZL 93.24 HCA 247.46 SMA 127.13 ECC .20715 INC 3.2409 V1 29.366
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.757 GAP 8.03 AZP 88.76 TAL 162.95 TAP 50.41 RCA 100.79 APO 153.46 V2 35.257
 RC 135.709 GL -23.75 GP -2.37 ZAL 62.00 ZAP 157.78 ETS 354.54 ZAE 128.51 ETE 182.23 ZAC 105.15 ETC 14.46 CLP-157.90

PLANETOCENTRIC CONIC

C3 13.821 VHL 3.718 DLA -26.30 RAL 180.59 RAD 6567.5 VEL 11.628 PTH 2.04 VHP 5.663 DPA 8.61 RAP 162.26 ECC 1.2275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 9 39 1115.23 13.69 337.93 40.23 115.03 11 28 14 515.2 16.95 330.77
 90.00 14 17 1 5788.29 26.78 275.76 44.57 99.56 15 53 29 5188.3 27.83 267.25
 100.00 12 2 8 945.72 11.51 324.37 39.13 117.78 12 17 54 345.7 15.14 317.46
 100.00 16 7 13 5433.04 29.19 250.01 44.96 96.75 17 37 46 4833.0 29.82 241.27
 110.00 12 20 9 889.18 7.21 317.51 36.55 123.50 12 34 58 289.2 11.57 311.12
 110.00 18 5 41 5062.34 34.17 222.25 45.35 90.81 19 30 4 4462.3 33.91 213.01

DIFFERENTIAL CORRECTIONS

TDE-2.2988 TRA 1.7028 TC3-4.8685 BAU .9011
 RDE .1539 RRA .1279 RC3 -.2830 FAU .04917
 FDE-2.0273 FRA 1.8683 FC3-3.0801 BSP 18495
 BDE 2.3040 BRA 1.7076 BC3 4.8767 FSP -1440

MID-COURSE EXECUTION ACCURACY

SGT 5850.2 SGR 385.9 SG3 434.8
 RRT .2502 RRF .2301 RTF .9770
 SGB 5862.9 R23 -.0158 R13 .9770
 SG1 5851.0 SG2 373.6 THA .95

ORBIT DETERMINATION ACCURACY

ST 3651.8 SR 246.3 SS 1600.3
 CRT -.8693 CRS .8407 CST -.9984
 LSA 3991.8 MSA 147.9 SSA 17.5
 EL1 3658.0 EL2 121.6 ALF 176.64

LAUNCH DATE JUN 2 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 539.734

RL 151.72 LAL .00 LOL 250.79 VL 26.532 GAL 4.70 AZL 93.26 HCA 250.71 SMA 126.93 ECC .21112 INC 3.2624 V1 29.366
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.734 GAP 8.45 AZP 88.92 TAL 161.87 TAP 52.58 RCA 100.14 APO 153.73 V2 35.255
 RC 137.871 GL -23.10 GP -2.23 ZAL 60.09 ZAP 159.29 ETS 354.35 ZAE 127.95 ETE 182.14 ZAC 103.43 ETC 14.35 CLP-159.40

PLANETOCENTRIC CONIC

C3 14.710 VHL 3.835 DLA -26.50 RAL 182.73 RAD 6567.6 VEL 11.666 PTH 2.05 VHP 5.884 DPA 8.09 RAP 163.95 ECC 1.2421
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 22 51 1113.25 13.74 337.81 43.42 115.00 11 41 24 513.3 17.00 330.65
 90.00 14 20 50 5817.81 26.43 277.85 47.74 100.55 15 57 48 5217.8 27.62 269.39
 100.00 12 14 2 947.92 11.44 324.49 42.25 117.81 12 29 50 347.9 15.07 317.59
 100.00 16 12 20 5458.37 28.97 251.87 48.20 97.70 17 43 18 4858.4 29.73 243.14
 110.00 12 30 47 895.37 6.98 317.84 39.57 123.55 12 45 42 295.4 11.34 311.46
 110.00 18 12 5 5083.69 34.14 223.92 48.70 91.80 19 36 49 4483.7 34.01 214.67

DIFFERENTIAL CORRECTIONS

TDE-2.3815 TRA 1.8817 TC3-4.6426 BAU .9144
 RDE .1727 RRA .1294 RC3 -.2588 FAU .04499
 FDE-1.9356 FRA 1.8735 FC3-2.6481 BSP 18809
 BDE 2.3877 BRA 1.8861 BC3 4.6498 FSP -1357

MID-COURSE EXECUTION ACCURACY

SGT 5933.4 SGR 390.7 SG3 407.7
 RRT .2015 RRF .1803 RTF .9766
 SGB 5946.2 R23 -.0177 R13 .9766
 SG1 5933.9 SG2 382.6 THA .76

ORBIT DETERMINATION ACCURACY

ST 3681.9 SR 266.1 SS 1545.8
 CRT -.8740 CRS .8466 CST -.9985
 LSA 3999.2 MSA 152.0 SSA 17.3
 EL1 3689.3 EL2 129.1 ALF 176.38

LAUNCH DATE JUN 2 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 545.583

RL 151.72 LAL .00 LOL 250.79 VL 26.502 GAL 5.09 AZL 93.28 HCA 253.96 SMA 126.74 ECC .21537 INC 3.2830 V1 29.366
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.711 GAP 8.89 AZP 89.09 TAL 160.78 TAP 54.73 RCA 99.45 APO 154.04 V2 35.253
 RC 140.023 GL -22.42 GP -2.10 ZAL 58.20 ZAP 160.74 ETS 354.12 ZAE 127.45 ETE 182.06 ZAC 101.65 ETC 14.24 CLP-160.85

PLANETOCENTRIC CONIC

C3 15.710 VHL 3.964 DLA -26.65 RAL 184.85 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 6.113 DPA 7.52 RAP 165.68 ECC 1.2585
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 35 11 1115.17 13.69 337.92 46.63 115.03 11 53 46 515.2 16.95 330.76
 90.00 14 25 29 5845.42 26.07 279.79 50.96 101.46 16 2 55 5245.4 27.39 271.38
 100.00 12 25 15 953.46 11.26 324.81 45.40 117.87 12 41 8 353.5 14.91 317.91
 100.00 16 18 7 5482.36 28.74 253.61 51.49 98.60 17 49 29 4882.4 29.63 244.92
 110.00 12 40 57 904.17 6.65 318.30 42.62 123.61 12 56 1 304.2 11.02 311.94
 110.00 18 18 54 5104.41 34.09 225.53 52.12 92.75 19 43 58 4504.4 34.09 216.29

DIFFERENTIAL CORRECTIONS

TDE-2.4628 TRA 2.0730 TC3-4.4045 BAU .9264
 RDE .1922 RRA .1302 RC3 -.2351 FAU .04112
 FDE-1.8493 FRA 1.8802 FC3-2.2663 BSP 19093
 BDE 2.4703 BRA 2.0771 BC3 4.4108 FSP -1279

MID-COURSE EXECUTION ACCURACY

SGT 6009.0 SGR 395.3 SG3 382.7
 RRT .1548 RRF .1328 RTF .9763
 SGB 6021.9 R23 -.0192 R13 .9763
 SG1 6009.3 SG2 390.5 THA .59

ORBIT DETERMINATION ACCURACY

ST 3701.0 SR 284.9 SS 1492.2
 CRT -.8770 CRS .8505 CST -.9985
 LSA 3997.6 MSA 156.6 SSA 17.0
 EL1 3709.5 EL2 136.6 ALF 176.13

LAUNCH DATE JUN 2 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 551.394

RL 151.72 LAL .00 LOL 250.79 VL 26.472 GAL 5.50 AZL 93.30 HCA 257.20 SMA 126.55 ECC .21994 INC 3.3030 V1 29.366
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.686 GAP 9.34 AZP 89.27 TAL 159.67 TAP 56.87 RCA 98.72 APO 154.38 V2 35.249
 RC 142.165 GL -21.72 GP -1.99 ZAL 56.32 ZAP 162.13 ETS 353.85 ZAE 127.00 ETE 181.99 ZAC 99.82 ETC 14.13 CLP-162.23

PLANETOCENTRIC CONIC

C3 16.835 VHL 4.103 DLA -26.76 RAL 186.97 RAD 6567.7 VEL 11.757 PTH 2.08 VHP 6.352 DPA 6.91 RAP 167.45 ECC 1.2771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 46 30 1121.30 13.51 338.29 49.86 115.12 12 5 11 521.3 16.79 331.14
 90.00 14 31 2 5870.86 25.72 281.57 54.23 102.28 16 8 52 5270.9 27.15 273.20
 100.00 12 35 41 962.44 10.98 325.32 48.56 117.98 12 51 43 362.4 14.64 318.44
 100.00 16 24 32 5504.95 28.50 255.25 54.83 99.42 17 56 17 4905.0 29.51 246.59
 110.00 12 50 36 915.61 6.21 318.91 45.69 123.68 13 5 52 315.6 10.60 312.56
 110.00 18 26 6 5124.55 34.01 227.10 55.57 93.68 19 51 31 4524.5 34.14 217.86

DIFFERENTIAL CORRECTIONS

TDE-2.5436 TRA 2.2765 TC3-4.1569 BAU .9368
 RDE .2123 RRA .1303 RC3 -.2121 FAU .03750
 FDE-1.7884 FRA 1.8877 FC3-1.9283 BSP 19359
 BDE 2.5525 BRA 2.2803 BC3 4.1623 FSP -1208

MID-COURSE EXECUTION ACCURACY

SGT 6076.9 SGR 399.6 SG3 359.5
 RRT .1096 RRF .0871 RTF .9759
 SGB 6090.0 R23 -.0204 R13 .9759
 SG1 6077.0 SG2 397.2 THA .41

ORBIT DETERMINATION ACCURACY

ST 3710.5 SR 302.7 SS 1440.0
 CRT -.8788 CRS .8531 CST -.9986
 LSA 3988.3 MSA 161.5 SSA 16.7
 EL1 3720.0 EL2 144.1 ALF 175.89

LAUNCH DATE JUN 2 1967

FLIGHT TIME 198.00

ARRIVAL DATE -DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 557.164

RL 151.72 LAL .00 LOL 250.79 VL 26.442 GAL 5.93 AZL 93.32 HCA 260.45 SMA 126.36 ECC .22483 INC 3.3224 V1 29.366
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.661 GAP 9.80 AZP 89.45 TAL 158.56 TAP 59.01 RCA 97.95 APO 154.76 V2 35.245
 RC 144.295 GL -20.99 GP -1.89 ZAL 54.47 ZAP 163.47 ETS 353.54 ZAE 126.58 ETE 181.92 ZAC 97.94 ETC 14.03 CLP-163.57

PLANETOCENTRIC CONIC

C3 18.104 VHL 4.255 DLA -26.83 RAL 189.06 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 6.601 DPA 6.25 RAP 169.26 ECC 1.2979
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 56 43 1131.87 13.21 338.91 53.09 115.28 12 15 35 531.9 16.50 331.79
 90.00 14 37 29 605.92 25.37 305.27 57.55 103.02 14 47 35 5.9 26.91 296.94
 100.00 12 45 18 974.93 10.58 326.04 51.74 118.12 13 1 33 374.9 14.26 319.18
 100.00 16 31 35 5526.14 28.25 256.77 58.22 100.19 18 3 41 4926.1 29.37 248.15
 110.00 12 59 43 929.69 5.68 319.65 48.78 123.76 13 15 12 329.7 10.08 313.32
 110.00 18 33 40 5144.14 33.91 228.62 59.07 94.57 19 59 24 4544.1 34.17 219.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6235 TRA 2.4935 TC3-3.9021 BAU .9455
 RDE .2331 RRA .1295 RC3 -.1899 FAU .03410
 FDE-1.6922 FRA 1.8967 FC3-1.6306 BSP 19593
 BDE 2.6338 BRA 2.4968 BC3 3.9067 FSP -1140

SGT 6137.2 SGR 403.5 SG3 338.1
 RRT .0657 RRF .0432 RTF .9756
 SGB 6150.5 R23 -.0213 R13 .9756
 SG1 6137.3 SG2 402.6 THA .25

ST 3710.1 SR 319.4 SS 1389.1
 CRT -.8797 CRS .8547 CST -.9986
 LSA 3970.9 MSA 166.7 SSA 16.4
 EL1 3720.7 EL2 151.4 ALF 175.66

LAUNCH DATE JUN 2 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 562.890

RL 151.72 LAL .00 LOL 250.79 VL 26.411 GAL 6.40 AZL 93.34 HCA 263.69 SMA 126.16 ECC .23009 INC 3.3415 V1 29.366
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.635 GAP 10.28 AZP 89.63 TAL 157.43 TAP 61.13 RCA 97.13 APO 155.19 V2 35.240
 RC 146.414 GL -20.25 GP -1.80 ZAL 52.65 ZAP 164.77 ETS 353.18 ZAE 126.19 ETE 181.86 ZAC 96.03 ETC 13.93 CLP-164.87

PLANETOCENTRIC CONIC

C3 19.535 VHL 4.420 DLA -26.86 RAL 191.12 RAD 6567.8 VEL 11.871 PTH 2.11 VHP 6.862 DPA 5.57 RAP 171.09 ECC 1.3215
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 5 46 1146.98 12.77 339.80 56.31 115.49 12 24 53 547.0 16.09 332.71
 90.00 14 44 51 626.61 25.05 306.70 60.92 103.66 14 55 18 26.6 26.68 298.41
 100.00 12 54 5 990.91 10.06 326.94 54.91 118.30 13 10 36 390.9 13.77 320.11
 100.00 16 39 13 5545.95 28.01 258.19 61.64 100.90 18 11 39 4946.0 29.22 249.60
 110.00 13 8 16 946.38 5.05 320.53 51.87 123.85 13 24 2 346.4 9.46 314.22
 110.00 18 41 32 5163.25 33.80 230.10 62.61 95.44 20 7 35 4563.2 34.18 220.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6999 TRA 2.7274 TC3-3.6374 BAU .9510
 RDE .2546 RRA .1277 RC3 -.1687 FAU .03081
 FDE-1.6182 FRA 1.9092 FC3-1.3653 BSP 19738
 BDE 2.7119 BRA 2.7304 BC3 3.6413 FSP -1072

SGT 6188.4 SGR 407.0 SG3 318.1
 RRT .0236 RRF .0015 RTF .9752
 SGB 6201.7 R23 -.0216 R13 .9752
 SG1 6188.4 SG2 406.8 THA .09

ST 3697.6 SR 334.8 SS 1338.2
 CRT -.8795 CRS .8549 CST -.9987
 LSA 3942.8 MSA 172.3 SSA 16.0
 EL1 3709.4 EL2 158.8 ALF 175.44

LAUNCH DATE JUN 2 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 568.564

RL 151.72 LAL .00 LOL 250.79 VL 26.380 GAL 6.89 AZL 93.36 HCA 266.94 SMA 125.97 ECC .23574 INC 3.3604 V1 29.366
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.608 GAP 10.78 AZP 89.82 TAL 156.31 TAP 63.25 RCA 96.27 APO 155.66 V2 35.234
 RC 148.521 GL -19.50 GP -1.72 ZAL 50.86 ZAP 166.03 ETS 352.77 ZAE 125.83 ETE 181.80 ZAC 94.09 ETC 13.83 CLP-166.13

PLANETOCENTRIC CONIC

C3 21.151 VHL 4.599 DLA -26.86 RAL 193.13 RAD 6567.9 VEL 11.939 PTH 2.12 VHP 7.136 DPA 4.85 RAP 172.95 ECC 1.3481
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 13 37 1166.61 12.19 340.95 59.51 115.76 12 33 4 566.6 15.56 333.89
 90.00 14 53 6 644.92 24.75 307.96 64.32 104.22 15 3 51 44.9 26.46 299.71
 100.00 13 2 0 1010.33 9.43 328.04 58.08 118.50 13 18 50 410.3 13.17 321.24
 100.00 16 47 25 5564.47 27.76 259.52 65.09 101.56 18 20 9 4964.5 29.07 250.96
 110.00 13 16 14 965.64 4.32 321.54 54.96 123.94 13 32 20 365.6 8.75 315.25
 110.00 18 49 40 5181.93 33.67 231.55 66.17 96.29 20 16 2 4581.9 34.17 222.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7807 TRA 2.9723 TC3-3.3800 BAU .9567
 RDE .2768 RRA .1247 RC3 -.1487 FAU .02787
 FDE-1.5529 FRA 1.9201 FC3-1.1406 BSP 19955
 BDE 2.7945 BRA 2.9749 BC3 3.3833 FSP -1015

SGT 6236.5 SGR 409.9 SG3 299.7
 RRT -.0184 RRF -.0400 RTF .9750
 SGB 6250.0 R23 .0220 R13 -.9750
 SG1 6236.5 SG2 409.8 THA 179.93

ST 3682.5 SR 348.9 SS 1291.9
 CRT -.8791 CRS .8551 CST -.9987
 LSA 3914.0 MSA 177.4 SSA 15.7
 EL1 3695.2 EL2 165.7 ALF 175.23

LAUNCH DATE JUN 2 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 574.184

RL 151.72 LAL .00 LOL 250.79 VL 26.349 GAL 7.41 AZL 93.38 HCA 270.18 SMA 125.77 ECC .24183 INC 3.3791 V1 29.366
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.580 GAP 11.29 AZP 90.01 TAL 155.18 TAP 65.36 RCA 95.36 APO 156.19 V2 35.228
 RC 150.615 GL -18.74 GP -1.65 ZAL 49.12 ZAP 167.25 ETS 352.28 ZAE 125.49 ETE 181.74 ZAC 92.12 ETC 13.75 CLP-167.36

PLANETOCENTRIC CONIC

C3 22.978 VHL 4.794 DLA -26.81 RAL 195.11 RAD 6567.9 VEL 12.015 PTH 2.14 VHP 7.424 DPA 4.11 RAP 174.83 ECC 1.3782
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 20 19 1190.56 11.47 342.35 62.69 116.07 12 40 10 590.6 14.89 335.34
 90.00 15 2 9 661.07 24.47 309.06 67.76 104.71 15 13 10 61.1 26.26 300.84
 100.00 13 9 5 1033.08 8.69 329.32 61.23 118.71 13 26 18 433.1 12.46 322.56
 100.00 16 56 5 5581.83 27.52 260.75 68.57 102.16 18 29 7 4981.8 28.92 252.23
 110.00 13 23 38 987.39 3.49 322.68 58.04 124.03 13 40 5 387.4 7.93 316.41
 110.00 18 58 1 5200.29 33.52 232.96 69.75 97.11 20 24 41 4600.3 34.14 223.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8616 TRA 3.2332 TC3-3.1221 BAU .9599
 RDE .2997 RRA .1205 RC3 -.1299 FAU .02507
 FDE-1.4918 FRA 1.9331 FC3 -.9445 BSP 20144
 BDE 2.8772 BRA 3.2354 BC3 3.1248 FSP -961

SGT 6277.5 SGR 412.2 SG3 282.6
 RRT -.0595 RRF -.0803 RTF .9748
 SGB 6291.0 R23 .0221 R13 -.9748
 SG1 6277.5 SG2 411.5 THA 179.78

ST 3659.8 SR 361.6 SS 1247.6
 CRT -.8783 CRS .8548 CST -.9988
 LSA 3879.2 MSA 182.5 SSA 15.3
 EL1 3673.6 EL2 172.2 ALF 175.03

LAUNCH DATE JUN 2 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 579.740

RL 151.72 LAL .00 LOL 250.79 VL 26.318 GAL 7.97 AZL 93.40 HCA 273.42 SMA 125.58 ECC .24840 INC 3.3978 V1 29.366
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.552 GAP 11.83 AZP 90.20 TAL 154.06 TAP 67.48 RCA 94.38 APO 156.77 V2 35.221
 RC 152.696 GL -17.98 GP -1.58 ZAL 47.42 ZAP 168.45 ETS 351.70 ZAE 125.16 ETE 181.68 ZAC 90.13 ETC 13.68 CLP-168.56

PLANETOCENTRIC CONIC

C3 25.048 VHL 5.005 DLA -26.74 RAL 197.03 RAD 6568.0 VEL 12.101 PTH 2.17 VHP 7.727 DPA 3.35 RAP 176.73 ECC 1.4122
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 25 56 1218.54 10.63 343.98 65.84 116.40 12 46 15 618.5 14.10 337.01
 90.00 15 11 52 675.36 24.22 310.03 71.23 105.13 15 23 8 75.4 26.07 301.85
 100.00 13 15 20 1058.97 7.84 330.78 64.36 118.94 13 32 59 459.0 11.64 324.05
 100.00 17 5 9 5598.19 27.28 261.91 72.07 102.72 18 38 28 4998.2 28.76 253.42
 110.00 13 30 27 1011.54 2.57 323.94 61.11 124.10 13 47 18 411.5 7.03 317.69
 110.00 19 6 32 5218.38 33.36 234.35 73.35 97.92 20 33 31 4618.4 -34.10 225.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9431 TRA 3.5104 TC3-2.8680 BAU .9611 SGT 6312.0 SGR 414.0 SG3 266.8 ST 3630.7 SR 372.8 SS 1205.4
 RDE .3233 RRA .1150 RC3 -.1124 FAU .02245 RRT -.0999 RRF -.1195 RTF .9748 CRT -.8771 CRS .8540 CST -.9989
 FDE-1.4349 FRA 1.9476 FC3 -.7759 BSP 20304 SGB 6325.6 R23 .0218 R13 -.9748 LSA 3839.1 MSA 187.5 SSA 14.9
 BDE 2.9608 BRA 3.5123 BC3 2.8702 FSP -909 SG1 6312.2 SG2 411.9 THA 179.62 EL1 3645.5 EL2 178.3 ALF 174.84

LAUNCH DATE JUN 2 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 585.227

RL 151.72 LAL .00 LOL 250.79 VL 26.287 GAL 8.56 AZL 93.42 HCA 276.66 SMA 125.38 ECC .25549 INC 3.4166 V1 29.366
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.523 GAP 12.40 AZP 90.40 TAL 152.94 TAP 69.60 RCA 93.35 APO 157.42 V2 35.214
 RC 154.762 GL -17.22 GP -1.52 ZAL 45.78 ZAP 169.62 ETS 351.01 ZAE 124.86 ETE 181.62 ZAC 88.11 ETC 13.62 CLP-169.73

PLANETOCENTRIC CONIC

C3 27.397 VHL 5.234 DLA -26.63 RAL 198.90 RAD 6568.1 VEL 12.197 PTH 2.19 VHP 8.049 DPA 2.56 RAP 178.64 ECC 1.4509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 30 34 1250.15 9.67 345.80 68.96 116.74 12 51 24 650.1 13.18 338.88
 90.00 15 22 8 688.14 23.99 310.90 74.72 105.51 15 33 36 88.1 25.89 302.74
 100.00 13 20 49 1087.83 6.89 332.39 67.46 119.16 13 38 57 487.8 10.73 325.70
 100.00 17 14 34 5613.73 27.04 263.00 75.58 103.25 18 48 8 5013.7 28.59 254.54
 110.00 13 36 41 1038.00 1.56 325.32 64.17 124.15 13 53 59 438.0 6.03 319.09
 110.00 19 15 11 5236.31 33.19 235.72 76.96 98.71 20 42 27 4636.3 34.03 226.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0229 TRA 3.8090 TC3-2.6135 BAU .9579 SGT 6339.4 SGR 415.1 SG3 252.1 ST 3593.6 SR 382.5 SS 1164.7
 RDE .3475 RRA .1078 RC3 -.0964 FAU .01987 RRT -.1393 RRF -.1573 RTF .9747 CRT -.8753 CRS .8525 CST -.9989
 FDE-1.3803 FRA 1.9681 FC3 -.6279 BSP 20373 SGB 6353.0 R23 .0211 R13 -.9747 LSA 3792.0 MSA 192.3 SSA 14.5
 BDE 3.0428 BRA 3.8105 BC3 2.6153 FSP -857 SG1 6339.7 SG2 411.1 THA 179.48 EL1 3609.2 EL2 184.2 ALF 174.66

LAUNCH DATE JUN 2 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 590.634

RL 151.72 LAL .00 LOL 250.79 VL 26.257 GAL 9.19 AZL 93.44 HCA 279.90 SMA 125.19 ECC .26316 INC 3.4357 V1 29.366
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.494 GAP 13.00 AZP 90.59 TAL 151.83 TAP 71.73 RCA 92.25 APO 158.14 V2 35.205
 RC 156.813 GL -16.46 GP -1.46 ZAL 44.18 ZAP 170.78 ETS 350.15 ZAE 124.56 ETE 181.56 ZAC 86.08 ETC 13.58 CLP-170.89

PLANETOCENTRIC CONIC

C3 30.068 VHL 5.483 DLA -26.49 RAL 200.70 RAD 6568.2 VEL 12.306 PTH 2.22 VHP 8.390 DPA 1.76 RAP 180.56 ECC 1.4948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 34 17 1285.00 8.60 347.80 72.03 117.08 12 55 42 685.0 12.16 340.93
 90.00 15 32 48 699.76 23.78 311.68 78.22 105.85 15 44 28 99.8 25.72 303.55
 100.00 13 25 33 1119.43 5.84 334.14 70.54 119.37 13 44 12 519.4 9.71 327.49
 100.00 17 24 13 5628.61 26.80 264.04 79.11 103.75 18 58 2 5028.6 28.43 255.62
 110.00 13 42 22 1066.65 .46 326.82 67.21 124.18 14 0 9 466.7 4.95 320.60
 110.00 19 23 54 5254.14 32.99 237.07 80.58 99.49 20 51 28 4654.1 33.95 227.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1089 TRA 4.1227 TC3-2.3718 BAU .9540 SGT 6362.5 SGR 415.7 SG3 238.4 ST 3555.7 SR 390.6 SS 1128.4
 RDE .3723 RRA .0991 RC3 -.0819 FAU .01754 RRT -.1789 RRF -.1952 RTF .9749 CRT -.8737 CRS .8514 CST -.9989
 FDE-1.3328 FRA 1.9843 FC3 -.5051 BSP 20513 SGB 6376.1 R23 .0204 R13 -.9749 LSA 3745.7 MSA 196.4 SSA 14.1
 BDE 3.1311 BRA 4.1239 BC3 2.3732 FSP -813 SG1 6363.0 SG2 409.0 THA 179.33 EL1 3572.1 EL2 189.1 ALF 174.50

LAUNCH DATE JUN 2 1967

FLIGHT TIME 212.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 595.950

RL 151.72 LAL .00 LOL 250.79 VL 26.226 GAL 9.87 AZL 93.46 HCA 283.14 SMA 125.00 ECC .27147 INC 3.4552 V1 29.366
 RP 107.67 LAP 3.36 LOP 173.95 VP 37.464 GAP 13.63 AZP 90.79 TAL 150.73 TAP 73.87 RCA 91.07 APO 158.94 V2 35.197
 RC 158.850 GL -15.70 GP -1.42 ZAL 42.65 ZAP 171.92 ETS 349.08 ZAE 124.27 ETE 181.49 ZAC 84.05 ETC 13.55 CLP-172.04

PLANETOCENTRIC CONIC

C3 33.112 VHL 5.754 DLA -26.32 RAL 202.44 RAD 6568.3 VEL 12.429 PTH 2.25 VHP 8.754 DPA .94 RAP 182.49 ECC 1.5449
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 37 13 1322.68 7.42 349.94 75.07 117.41 12 59 16 722.7 11.04 343.13
 90.00 15 43 44 710.59 23.57 312.41 81.74 106.16 15 55 35 110.6 25.57 304.31
 100.00 13 29 36 1153.54 4.70 336.03 73.58 119.56 13 48 49 553.5 8.60 329.42
 100.00 17 34 3 5643.01 26.57 265.05 82.64 104.23 19 8 6 5043.0 28.26 256.65
 110.00 13 47 30 1097.37 -.71 328.42 70.22 124.18 14 5 47 497.4 3.78 322.21
 110.00 19 32 39 5271.94 32.79 238.42 84.19 100.26 21 0 30 4671.9 33.85 229.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1976 TRA 4.4567 TC3-2.1376 BAU .9468 SGT 6379.5 SGR 415.7 SG3 225.6 ST 3514.0 SR 397.2 SS 1094.7
 RDE .3978 RRA .0887 RC3 -.0689 FAU .01533 RRT -.2181 RRF -.2326 RTF .9752 CRT -.8720 CRS .8501 CST -.9990
 FDE-1.2893 FRA 2.0049 FC3 -.4007 BSP 20642 SGB 6393.0 R23 .0195 R13 -.9752 LSA 3696.5 MSA 200.0 SSA 13.7
 BDE 3.2223 BRA 4.4576 BC3 2.1387 FSP -772 SG1 6380.2 SG2 405.7 THA 179.18 EL1 3531.1 EL2 193.5 ALF 174.35

LAUNCH DATE JUN 2 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC
 RL 151.72 LAL .00 LOL 250.79 VL 26.195 GAL 10.59 AZL 93.48 HCA 286.37 SMA 124.81 ECC .28051 INC 3.4752 V1 29.366
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.434 GAP 14.30 AZP 90.98 TAL 149.65 TAP 76.03 RCA 89.80 APO 159.82 V2 35.187
 RC 160.871 GL -14.95 GP -1.37 ZAL 41.17 ZAP 173.04 ETS 347.67 ZAE 123.97 ETE 181.43 ZAC 82.00 ETC 13.54 CLP-173.18

PLANETOCENTRIC CONIC
 C3 36.593 VHL 6.049 DLA -26.12 RAL 204.11 RAD 6568.4 VEL 12.568 PTH 2.28 VHP 9.144 DPA .12 RAP 184.42 ECC 1.6022
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 39 27 1362.83 6.16 352.21 78.07 117.69 13 2 10 762.8 9.82 345.45
 90.00 15 54 50 720.90 23.38 313.10 85.26 106.45 16 6 51 120.9 25.41 305.02
 100.00 13 32 59 1189.94 3.47 338.04 76.59 119.71 13 52 49 589.9 7.40 331.46
 100.00 17 43 59 5657.07 26.33 266.02 86.16 104.69 19 18 16 5057.1 28.09 257.66
 110.00 13 52 5 1130.02 -1.96 330.12 73.21 124.13 14 10 55 530.0 2.53 323.92
 110.00 19 41 22 5289.75 32.56 239.76 87.80 101.03 21 9 32 4689.8 33.74 230.72

DIFFERENTIAL CORRECTIONS
 TDE-3.2899 TRA 4.8134 TC3-1.9123 BAU .9360
 RDE .4237 RRA .0762 RC3 -.0573 FAU .01322
 FDE-1.2499 FRA 2.0284 FC3 -.3127 BSP 20743
 BDE 3.3171 BRA 4.8140 BC3 1.9132 FSP -733

MID-COURSE EXECUTION ACCURACY
 SGT 6391.0 SGR 415.1 SG3 213.8
 RRT -.2570 RRF -.2695 RTF .9756
 SGB 6404.5 R23 .0184 R13 -.9756
 SG1 6391.9 SG2 401.1 THA 179.04

ORBIT DETERMINATION ACCURACY
 ST 3469.2 SR 402.1 SS 1063.9
 CRT -.8701 CRS .8488 CST -.9990
 LSA 3645.2 MSA 203.0 SSA 13.3
 EL1 3486.8 EL2 197.1 ALF 174.22

LAUNCH DATE JUN 2 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC
 RL 151.72 LAL .00 LOL 250.79 VL 26.164 GAL 11.37 AZL 93.50 HCA 289.61 SMA 124.62 ECC .29034 INC 3.4958 V1 29.366
 RP 107.73 LAP 3.29 LOP 180.43 VP 37.403 GAP 15.02 AZP 91.17 TAL 148.60 TAP 78.21 RCA 88.44 APO 160.81 V2 35.178
 RC 162.878 GL -14.21 GP -1.33 ZAL 39.75 ZAP 174.16 ETS 345.76 ZAE 123.68 ETE 181.37 ZAC 79.96 ETC 13.55 CLP-174.31

PLANETOCENTRIC CONIC
 C3 40.584 VHL 6.371 DLA -25.90 RAL 205.71 RAD 6568.6 VEL 12.726 PTH 2.31 VHP 9.562 DPA -.71 RAP 186.35 ECC 1.6679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 41 3 1405.12 4.81 354.60 81.03 117.94 13 4 28 805.1 8.52 347.87
 90.00 16 5 59 730.94 23.18 313.77 88.76 106.73 16 18 9 130.9 25.26 305.72
 100.00 13 35 46 1228.41 2.17 340.15 79.57 119.82 13 56 15 628.4 6.12 333.60
 100.00 17 53 56 5670.92 26.09 266.98 89.67 105.14 19 28 27 5070.9 27.91 258.65
 110.00 13 56 9 1164.48 -3.27 331.92 76.18 124.04 14 15 33 564.5 1.22 325.72
 110.00 19 50 3 5307.61 32.32 241.10 91.38 101.79 21 18 31 4707.6 33.61 232.10

DIFFERENTIAL CORRECTIONS
 TDE-3.3823 TRA 5.1986 TC3-1.6918 BAU .9183
 RDE .4501 RRA .0617 RC3 -.0473 FAU .01108
 FDE-1.2124 FRA 2.0568 FC3 -.2364 BSP 20730
 BDE 3.4121 BRA 5.1990 BC3 1.6925 FSP -692

MID-COURSE EXECUTION ACCURACY
 SGT 6396.5 SGR 413.9 SG3 202.8
 RRT -.2950 RRF -.3052 RTF .9761
 SGB 6409.9 R23 .0168 R13 -.9762
 SG1 6397.7 SG2 395.4 THA 178.90

ORBIT DETERMINATION ACCURACY
 ST 3418.9 SR 405.3 SS 1035.0
 CRT -.8679 CRS .8469 CST -.9991
 LSA 3589.2 MSA 205.5 SSA 13.0
 EL1 3437.0 EL2 200.3 ALF 174.11

LAUNCH DATE JUN 2 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC
 RL 151.72 LAL .00 LOL 250.79 VL 26.134 GAL 12.21 AZL 93.52 HCA 292.84 SMA 124.44 ECC .30108 INC 3.5172 V1 29.366
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.372 GAP 15.79 AZP 91.37 TAL 147.58 TAP 80.42 RCA 86.97 APO 161.91 V2 35.167
 RC 164.869 GL -13.48 GP -1.29 ZAL 38.40 ZAP 175.26 ETS 342.96 ZAE 123.38 ETE 181.31 ZAC 77.92 ETC 13.58 CLP-175.44

PLANETOCENTRIC CONIC
 C3 45.178 VHL 6.721 DLA -25.66 RAL 207.23 RAD 6568.7 VEL 12.905 PTH 2.35 VHP 10.013 DPA -1.55 RAP 188.27 ECC 1.7435
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 42 4 1449.25 3.40 357.07 83.94 118.13 13 6 13 849.2 7.14 350.38
 90.00 16 17 5 740.84 22.99 314.43 92.25 107.01 16 29 26 140.8 25.10 306.40
 100.00 13 37 58 1268.74 .80 342.37 82.50 119.88 13 59 7 668.7 4.77 335.83
 100.00 18 3 52 5684.62 25.84 267.92 93.16 105.58 19 38 37 5084.6 27.73 259.63
 110.00 13 59 41 1200.60 -4.65 333.82 79.11 123.90 14 19 42 600.6 -.16 327.60
 110.00 19 58 39 5325.52 32.06 242.43 94.94 102.54 21 27 24 4725.5 33.46 233.48

DIFFERENTIAL CORRECTIONS
 TDE-3.4854 TRA 5.6056 TC3-1.4874 BAU .8987
 RDE .4772 RRA .0449 RC3 -.0386 FAU .00915
 FDE-1.1815 FRA 2.0866 FC3 -.1753 BSP 20821
 BDE 3.5179 BRA 5.6057 BC3 1.4879 FSP -658

MID-COURSE EXECUTION ACCURACY
 SGT 6397.3 SGR 412.2 SG3 192.5
 RRT -.3335 RRF -.3414 RTF .9769
 SGB 6410.6 R23 .0153 R13 -.9769
 SG1 6398.8 SG2 388.6 THA 178.76

ORBIT DETERMINATION ACCURACY
 ST 3370.4 SR 406.9 SS 1010.6
 CRT -.8662 CRS .8458 CST -.9991
 LSA 3536.1 MSA 207.0 SSA 12.5
 EL1 3388.9 EL2 202.2 ALF 174.01

LAUNCH DATE JUN 2 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC
 RL 151.72 LAL .00 LOL 250.79 VL 26.104 GAL 13.12 AZL 93.54 HCA 296.07 SMA 124.26 ECC .31283 INC 3.5397 V1 29.366
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.341 GAP 16.61 AZP 91.56 TAL 146.59 TAP 82.66 RCA 85.39 APO 163.13 V2 35.156
 RC 166.846 GL -12.76 GP -1.26 ZAL 37.12 ZAP 176.36 ETS 338.47 ZAE 123.06 ETE 181.25 ZAC 75.89 ETC 13.63 CLP-176.58

PLANETOCENTRIC CONIC
 C3 50.485 VHL 7.105 DLA -25.39 RAL 208.67 RAD 6568.9 VEL 13.109 PTH 2.39 VHP 10.500 DPA -2.38 RAP 190.19 ECC 1.8309
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 42 33 1494.97 1.93 359.62 86.81 118.26 13 7 28 895.0 5.69 352.97
 90.00 16 28 6 750.71 22.79 315.09 95.71 107.28 16 40 37 150.7 24.94 307.08
 100.00 13 39 37 1310.73 -.62 344.67 85.39 119.89 14 1 28 710.7 3.36 338.15
 100.00 18 13 43 5698.21 25.59 268.86 96.62 106.01 19 48 42 5098.2 27.53 260.60
 110.00 14 2 43 1238.26 -6.07 335.80 82.01 123.70 14 23 21 638.3 -1.60 329.57
 110.00 20 7 7 5343.45 31.79 243.76 98.47 103.28 21 36 10 4743.4 33.29 234.85

DIFFERENTIAL CORRECTIONS
 TDE-3.5951 TRA 6.0420 TC3-1.2932 BAU .8731
 RDE .5046 RRA .0258 RC3 -.0313 FAU .00726
 FDE-1.1545 FRA 2.1205 FC3 -.1245 BSP 20889
 BDE 3.6304 BRA 6.0421 BC3 1.2936 FSP -626

MID-COURSE EXECUTION ACCURACY
 SGT 6392.6 SGR 410.0 SG3 182.9
 RRT -.3716 RRF -.3773 RTF .9778
 SGB 6405.8 R23 .0137 R13 -.9779
 SG1 6394.5 SG2 380.5 THA 178.63

ORBIT DETERMINATION ACCURACY
 ST 3320.4 SR 407.0 SS 989.4
 CRT -.8647 CRS .8448 CST -.9992
 LSA 3482.3 MSA 207.7 SSA 12.2
 EL1 3339.1 EL2 203.3 ALF 173.93

LAUNCH DATE JUN 3 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 12 1967

HELIOCENTRIC CONIC

DISTANCE 149.136

RL 151.74 LAL -.00 LOL 251.75 VL 20.436 GAL 6.88 AZL 93.20 HCA 55.81 SMA 99.67 ECC .53238 INC 3.1967 V1 29.361
 RP 108.94 LAP -2.64 LOP 307.52 VP 33.239 GAP -31.77 AZP 91.80 TAL 173.88 TAP 229.68 RCA 46.61 APO 152.73 V2 34.784
 RC 49.723 GL -6.89 GP .50 ZAL 76.55 ZAP 20.44 ETS 182.42 ZAE 161.64 ETE 148.83 ZAC 116.35 ETC 17.25 CLP 20.43

PLANETOCENTRIC CONIC

C3 88.956 VHL 9.432 DLA -4.46 RAL 172.95 RAD 6569.7 VEL 14.502 PTH 2.63 VHP 18.691 DPA 15.67 RAP 151.47 ECC 2.4640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 5 2440.93 -24.34 56.35 58.36 104.94 7 23 46 1840.9 -22.05 48.42
 90.00 17 34 46 5361.95 27.77 244.81 62.39 84.23 19 4 8 4761.9 26.68 236.31
 100.00 8 2 20 2185.28 -25.78 37.11 57.92 105.67 8 38 45 1585.3 -23.38 29.14
 100.00 18 58 12 5092.83 29.26 224.84 62.21 83.59 20 23 5 4492.8 28.06 216.24
 110.00 9 5 47 1986.65 -29.68 20.71 56.60 107.79 9 38 53 1386.7 -26.96 12.58
 110.00 20 11 14 4864.22 33.30 206.88 61.60 81.77 21 32 18 4264.2 31.80 197.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5054 TRA-1.1939 TC3 -.0729 BAU .1004 SGT 801.5 SGR 444.2 SG3 39.6 ST 376.7 SR 395.7 SS 343.9
 RDE -.6442 RRA -.3187 RC3 .0426 FAU .01586 RRT .0282 RRF -.0265 RTF -.6400 CRT -.7209 CRS -.8358 CST .9814
 FDE -.3181 FRA .4871 FC3 -.1544 BSP 2093 SGB 916.3 R23 -.0004 R13 -.6400 LSA 609.4 MSA 212.6 SSA 14.1
 BDE .8188 BRA 1.2357 BC3 .0844 FSP -84 SG1 801.6 SG2 444.0 THA 1.29 EL1 506.9 EL2 203.8 ALF 133.05

LAUNCH DATE JUN 3 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 155.444

RL 151.74 LAL -.00 LOL 251.75 VL 20.973 GAL 6.58 AZL 93.22 HCA 58.97 SMA 101.36 ECC .50693 INC 3.2181 V1 29.361
 RP 108.94 LAP -2.76 LOP 310.68 VP 33.571 GAP -30.18 AZP 91.66 TAL 173.52 TAP 232.48 RCA 49.98 APO 152.74 V2 34.784
 RC 48.377 GL -7.55 GP .52 ZAL 76.03 ZAP 18.86 ETS 182.51 ZAE 162.99 ETE 144.08 ZAC 114.82 ETC 16.94 CLP 18.86

PLANETOCENTRIC CONIC

C3 79.237 VHL 8.902 DLA -5.28 RAL 173.19 RAD 6569.5 VEL 14.163 PTH 2.58 VHP 17.839 DPA 15.16 RAP 153.02 ECC 2.3040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 15 2389.00 -23.38 52.84 56.43 106.44 7 30 4 1789.0 -20.91 45.05
 90.00 17 29 30 5361.62 27.77 244.79 61.05 84.21 18 58 51 4761.6 26.68 236.29
 100.00 8 9 6 2134.64 -24.81 33.67 55.96 107.24 8 44 40 1534.6 -22.21 25.83
 100.00 18 53 20 5091.22 29.25 224.72 60.87 83.53 20 18 11 4491.2 28.04 216.12
 110.00 9 11 38 1938.84 -28.64 17.38 54.53 109.51 9 43 57 1338.8 -25.71 9.43
 110.00 20 7 17 4859.77 33.25 206.54 60.25 81.57 21 28 17 4259.8 31.73 197.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5052 TRA-1.1796 TC3 -.0686 BAU .0892 SGT 837.9 SGR 448.1 SG3 43.4 ST 397.6 SR 398.1 SS 364.4
 RDE -.6117 RRA -.3026 RC3 .0488 FAU .01634 RRT .0280 RRF -.0268 RTF -.6604 CRT -.7241 CRS -.8404 CST .9808
 FDE -.3347 FRA .5002 FC3 -.1785 BSP 2239 SGB 950.2 R23 -.0009 R13 -.6605 LSA 634.4 MSA 216.2 SSA 14.3
 BDE .7933 BRA 1.2178 BC3 .0842 FSP -93 SG1 838.0 SG2 447.9 THA 1.20 EL1 522.4 EL2 208.9 ALF 134.95

LAUNCH DATE JUN 3 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 161.812

RL 151.74 LAL -.00 LOL 251.75 VL 21.471 GAL 6.27 AZL 93.24 HCA 62.13 SMA 103.02 ECC .48258 INC 3.2380 V1 29.361
 RP 108.94 LAP -2.86 LOP 313.84 VP 33.885 GAP -28.68 AZP 91.51 TAL 173.19 TAP 235.32 RCA 53.31 APO 152.74 V2 34.784
 RC 47.155 GL -8.25 GP .54 ZAL 75.60 ZAP 17.29 ETS 182.64 ZAE 164.34 ETE 138.20 ZAC 113.29 ETC 16.65 CLP 17.29

PLANETOCENTRIC CONIC

C3 70.650 VHL 8.405 DLA -6.10 RAL 173.33 RAD 6569.4 VEL 13.856 PTH 2.53 VHP 17.021 DPA 14.64 RAP 154.58 ECC 2.1627
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 1 2336.52 -22.33 49.36 54.42 107.88 7 35 57 1736.5 -19.68 41.69
 90.00 17 23 49 5360.69 27.76 244.72 59.55 84.18 18 53 10 4760.7 26.66 236.22
 100.00 8 15 28 2083.45 -23.73 30.24 53.92 108.73 8 50 11 1483.4 -20.95 22.55
 100.00 18 48 3 5089.00 29.23 224.56 59.37 83.44 20 12 52 4489.0 28.01 215.96
 110.00 9 17 5 1890.52 -27.50 14.09 52.40 111.16 9 48 35 1290.5 -24.37 6.31
 110.00 20 2 55 4854.69 33.20 206.15 58.75 81.35 21 23 50 4254.7 31.65 197.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5055 TRA-1.1644 TC3 -.0620 BAU .0787 SGT 875.6 SGR 451.3 SG3 47.5 ST 419.6 SR 399.7 SS 386.1
 RDE -.5799 RRA -.2867 RC3 .0557 FAU .01687 RRT .0277 RRF -.0271 RTF -.6801 CRT -.7280 CRS -.8452 CST .9803
 FDE -.3523 FRA .5131 FC3 -.2067 BSP 2390 SGB 985.1 R23 -.0014 R13 -.6801 LSA 660.8 MSA 219.0 SSA 14.6
 BDE .7693 BRA 1.1992 BC3 .0833 FSP -104 SG1 875.8 SG2 451.1 THA 1.11 EL1 538.8 EL2 213.4 ALF 136.91

LAUNCH DATE JUN 3 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 168.233

RL 151.74 LAL -.00 LOL 251.75 VL 21.934 GAL 5.95 AZL 93.26 HCA 65.29 SMA 104.65 ECC .45934 INC 3.2569 V1 29.361
 RP 108.94 LAP -2.96 LOP 317.01 VP 34.181 GAP -27.25 AZP 91.36 TAL 172.91 TAP 238.20 RCA 56.58 APO 152.73 V2 34.785
 RC 46.068 GL -8.98 GP .57 ZAL 75.27 ZAP 15.73 ETS 182.81 ZAE 165.62 ETE 130.88 ZAC 111.75 ETC 16.38 CLP 15.72

PLANETOCENTRIC CONIC

C3 63.060 VHL 7.941 DLA -6.91 RAL 173.36 RAD 6569.2 VEL 13.580 PTH 2.48 VHP 16.235 DPA 14.10 RAP 156.13 ECC 2.0378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 3 23 2283.61 -21.18 45.90 52.34 109.24 7 41 26 1683.6 -18.36 38.36
 90.00 17 17 42 5359.33 27.75 244.62 57.91 84.13 18 47 1 4759.3 26.65 236.13
 100.00 8 21 25 2031.85 -22.56 26.86 51.81 110.15 8 55 17 1431.9 -19.61 19.30
 100.00 18 42 21 5086.33 29.21 224.36 57.73 83.34 20 7 7 4486.3 27.98 215.77
 110.00 9 22 7 1841.81 -26.26 10.84 50.22 112.72 9 52 49 1241.8 -22.95 3.25
 110.00 19 58 8 4849.14 33.14 205.72 57.10 81.11 21 18 57 4249.1 31.56 196.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5064 TRA-1.1481 TC3 -.0523 BAU .0693 SGT 914.7 SGR 453.7 SG3 52.0 ST 442.9 SR 400.5 SS 409.0
 RDE -.5490 RRA -.2711 RC3 .0633 FAU .01746 RRT .0272 RRF -.0272 RTF -.6991 CRT -.7326 CRS -.8503 CST .9798
 FDE -.3713 FRA .5256 FC3 -.2396 BSP 2548 SGB 1021.0 R23 -.0020 R13 -.6991 LSA 689.0 MSA 221.1 SSA 14.8
 BDE .7469 BRA 1.1796 BC3 .0821 FSP -117 SG1 914.8 SG2 453.5 THA 1.02 EL1 556.3 EL2 217.1 ALF 138.92

LAUNCH DATE JUN 3 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 174.704

RL 151.74 LAL -0.00 LOL 251.75 VL 22.364 GAL 5.62 AZL 93.27 HCA 68.45 SMA 106.25 ECC .43722 INC 3.2748 V1 29.361
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.460 GAP -25.89 AZP 91.20 TAL 172.68 TAP 241.13 RCA 59.79 APO 152.70 V2 34.787
 RC 45.125 GL -9.75 GP .59 ZAL 75.05 ZAP 14.17 ETS 183.05 ZAE 166.72 ETE 121.84 ZAC 110.20 ETC 16.11 CLP 14.16

PLANETOCENTRIC CONIC

C3 56.352 VHL 7.507 OLA -7.72 RAL 173.28 RAD 6569.0 VEL 13.331 PTH 2.44 VHP 15.480 DPA 13.56 RAP 157.68 ECC 1.9274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 21 2230.41 -19.95 42.49 50.20 110.52 7 46 31 1630.4 -16.98 35.07
 90.00 17 11 8 5357.73 27.74 244.51 56.14 84.08 18 40 25 4757.7 26.63 236.01
 100.00 8 26 58 1979.98 -21.31 23.52 49.64 111.48 8 59 58 1380.0 -18.20 16.10
 100.00 18 36 12 5083.39 29.19 224.14 55.96 83.23 20 0 56 4483.4 27.94 215.56
 110.00 9 26 44 1792.86 -24.93 7.66 47.99 114.18 9 56 37 1192.9 -21.45 .24
 110.00 19 52 55 4843.27 33.08 205.28 55.32 80.85 21 13 38 4243.3 31.46 196.43

DIFFERENTIAL CORRECTIONS

TDE .5079 TRA-1.1304 TC3 -.0393 BAU .0617
 RDE -.5190 RRA -.2557 RC3 .0718 FAU .01811
 FDE -.3916 FRA .5377 FC3 -.2782 BSP 2709
 BDE .7261 BRA 1.1590 BC3 .0818 FSP -130

MID-COURSE EXECUTION ACCURACY

SGT 954.9 SGR 455.3 SG3 57.0
 RRT .0266 RRF -.0272 RTF -.7171
 SGB 1057.9 R23 -.0025 R13 -.7172
 SG1 955.0 SG2 455.1 THA .94

ORBIT DETERMINATION ACCURACY

ST 467.4 SR 400.5 SS 433.2
 CRT -.7378 CRS -.8557 CST .9794
 LSA 718.9 MSA 222.5 SSA 15.0
 EL1 575.0 EL2 219.8 ALF 140.94

LAUNCH DATE JUN 3 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 181.220

RL 151.74 LAL -0.00 LOL 251.75 VL 22.762 GAL 5.29 AZL 93.29 HCA 71.61 SMA 107.80 ECC .41621 INC 3.2919 V1 29.361
 RP 108.93 LAP -3.12 LOP 323.34 VP 34.723 GAP -24.59 AZP 91.04 TAL 172.49 TAP 244.10 RCA 62.93 APO 152.67 V2 34.790
 RC 44.335 GL -10.56 GP .62 ZAL 74.94 ZAP 12.61 ETS 183.39 ZAE 167.52 ETE 110.99 ZAC 108.65 ETC 15.86 CLP 12.59

PLANETOCENTRIC CONIC

C3 50.425 VHL 7.101 OLA -8.52 RAL 173.10 RAD 6568.9 VEL 13.107 PTH 2.39 VHP 14.753 DPA 13.01 RAP 159.22 ECC 1.8299
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 54 2177.07 -18.64 39.12 48.01 111.71 7 51 11 1577.1 -15.53 31.83
 90.00 17 4 5 5356.05 27.73 244.38 54.25 84.02 18 33 21 4756.0 26.61 235.90
 100.00 8 32 7 1928.00 -19.97 20.23 47.43 112.71 9 4 15 1328.0 -16.73 12.94
 100.00 18 29 34 5080.35 29.16 223.92 54.07 83.12 19 54 14 4480.4 27.90 215.35
 110.00 9 30 56 1743.85 -23.53 4.54 45.72 115.54 9 59 59 1143.8 -19.89 357.29
 110.00 19 47 15 4837.27 33.01 204.82 53.42 80.59 21 7 52 4237.3 31.36 195.99

DIFFERENTIAL CORRECTIONS

TDE .5079 TRA-1.1138 TC3 -.0238 BAU .0569
 RDE -.4899 RRA -.2407 RC3 .0810 FAU .01882
 FDE -.4133 FRA .5499 FC3 -.3231 BSP 2822
 BDE .7057 BRA 1.1395 BC3 .0844 FSP -145

MID-COURSE EXECUTION ACCURACY

SGT 997.4 SGR 456.1 SG3 62.5
 RRT .0276 RRF -.0275 RTF -.7332
 SGB 1096.8 R23 -.0019 R13 -.7332
 SG1 .997.5 SG2 455.9 THA .92

ORBIT DETERMINATION ACCURACY

ST 492.2 SR 399.7 SS 458.7
 CRT -.7419 CRS -.8610 CST .9786
 LSA 749.8 MSA 223.6 SSA 15.3
 EL1 593.9 EL2 222.1 ALF 142.90

LAUNCH DATE JUN 3 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 187.774

RL 151.74 LAL -0.00 LOL 251.75 VL 23.132 GAL 4.96 AZL 93.31 HCA 74.78 SMA 109.31 ECC .39630 INC 3.3084 V1 29.361
 RP 108.92 LAP -3.19 LOP 326.50 VP 34.969 GAP -23.35 AZP 90.87 TAL 172.35 TAP 247.13 RCA 65.99 APO 152.63 V2 34.793
 RC 43.707 GL -11.41 GP .65 ZAL 74.93 ZAP 11.04 ETS 183.86 ZAE 167.88 ETE 98.67 ZAC 107.11 ETC 15.63 CLP 11.02

PLANETOCENTRIC CONIC

C3 45.189 VHL 6.722 OLA -9.32 RAL 172.80 RAD 6568.7 VEL 12.906 PTH 2.35 VHP 14.055 DPA 12.46 RAP 160.75 ECC 1.7437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 3 2123.77 -17.27 35.81 45.77 112.80 7 55 27 1523.8 -14.03 28.63
 90.00 16 56 34 5354.48 27.72 244.27 52.24 83.96 18 25 48 4754.5 26.59 235.78
 100.00 8 36 50 1876.08 -18.58 17.01 45.17 113.85 9 8 6 1276.1 -15.20 9.85
 100.00 18 22 28 5077.40 29.14 223.71 52.06 83.00 19 47 6 4477.4 27.86 215.14
 110.00 9 34 41 1694.94 -22.06 1.51 43.42 116.80 10 2 56 1094.9 -18.28 354.41
 110.00 19 41 7 4831.31 32.95 204.37 51.41 80.33 21 1 38 4231.3 31.26 195.55

DIFFERENTIAL CORRECTIONS

TDE .5103 TRA-1.0938 TC3 -.0026 BAU .0551
 RDE -.4618 RRA -.2261 RC3 .0911 FAU .01962
 FDE -.4371 FRA .5613 FC3 -.3758 BSP 2987
 BDE .6884 BRA 1.1169 BC3 .0912 FSP -161

MID-COURSE EXECUTION ACCURACY

SGT 1040.2 SGR 456.1 SG3 68.5
 RRT .0270 RRF -.0275 RTF -.7495
 SGB 1135.8 R23 -.0025 R13 -.7495
 SG1 1040.3 SG2 455.9 THA .84

ORBIT DETERMINATION ACCURACY

ST 519.3 SR 397.9 SS 486.0
 CRT -.7484 CRS -.8668 CST .9783
 LSA 783.6 MSA 223.4 SSA 15.5
 EL1 615.1 EL2 222.8 ALF 144.90

LAUNCH DATE JUN 3 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 194.364

RL 151.74 LAL -0.00 LOL 251.75 VL 23.475 GAL 4.64 AZL 93.32 HCA 77.94 SMA 110.77 ECC .37747 INC 3.3245 V1 29.361
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.201 GAP -22.16 AZP 90.70 TAL 172.27 TAP 250.21 RCA 68.95 APO 152.58 V2 34.797
 RC 43.245 GL -12.30 GP .68 ZAL 75.03 ZAP 9.47 ETS 184.54 ZAE 167.71 ETE 85.82 ZAC 105.57 ETC 15.41 CLP 9.44

PLANETOCENTRIC CONIC

C3 40.566 VHL 6.369 OLA -10.12 RAL 172.39 RAD 6568.6 VEL 12.725 PTH 2.31 VHP 13.383 DPA 11.90 RAP 162.27 ECC 1.6676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 47 2070.67 -15.84 32.57 43.49 113.78 7 59 18 1470.7 -12.49 25.49
 90.00 16 48 33 5353.18 27.71 244.18 50.13 83.91 18 17 46 4753.2 26.58 235.69
 100.00 8 41 7 1824.40 -17.13 13.86 42.88 114.88 9 11 32 1224.4 -13.63 6.81
 100.00 18 14 54 5074.69 29.11 223.51 49.95 82.90 19 39 28 4474.7 27.83 214.94
 110.00 9 37 59 1646.32 -20.54 358.55 41.09 117.95 10 5 26 1046.3 -16.64 351.60
 110.00 19 34 31 4825.54 32.88 203.93 49.29 80.08 20 54 56 4225.5 31.16 195.13

DIFFERENTIAL CORRECTIONS

TDE .5138 TRA-1.0725 TC3 .0240 BAU .0569
 RDE -.4346 RRA -.2119 RC3 .1021 FAU .02051
 FDE -.4632 FRA .5724 FC3 -.4378 BSP 3151
 BDE .6730 BRA 1.0933 BC3 .1048 FSP -180

MID-COURSE EXECUTION ACCURACY

SGT 1084.0 SGR 455.3 SG3 75.2
 RRT .0264 RRF -.0275 RTF -.7652
 SGB 1175.7 R23 -.0029 R13 -.7652
 SG1 1084.1 SG2 455.1 THA .77

ORBIT DETERMINATION ACCURACY

ST 547.8 SR 395.3 SS 515.2
 CRT -.7557 CRS -.8728 CST .9782
 LSA 819.8 MSA 222.4 SSA 15.8
 EL1 637.9 EL2 222.3 ALF 146.86

LAUNCH DATE JUN 3 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 200.983

RL 151.74 LAL -.00 LOL 251.75 VL 23.793 GAL 4.32 AZL 93.34 HCA 81.10 SMA 112.17 ECC .35972 INC 3.3401 V1 29.361
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.418 GAP -21.02 AZP 90.52 TAL 172.23 TAP 253.34 RCA 71.82 APO 152.52 V2 34.801
 RC 42.956 GL -13.23 GP .72 ZAL 75.24 ZAP 7.89 ETS 185.56 ZAE 166.98 ETE 73.64 ZAC 104.04 ETC 15.20 CLP 7.85

PLANETOCENTRIC CONIC

C3 36.487 VHL 6.040 DLA -10.90 RAL 171.86 RAD 6568.4 VEL 12.564 PTH 2.28 VHP 12.736 DPA 11.35 RAP 163.77 ECC 1.6005
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 6 2017.97 -14.36 29.40 41.18 114.67 8 2 44 1418.0 -10.92 22.42
 90.00 16 40 2 5352.34 27.70 244.12 47.94 83.88 18 9 14 4752.3 26.57 235.63
 100.00 8 44 59 1773.15 -15.63 10.78 40.56 115.81 9 14 32 1173.2 -12.03 3.84
 100.00 18 6 50 5072.39 29.09 223.34 47.75 82.82 19 31 22 4472.4 27.79 214.78
 110.00 9 40 51 1598.18 -18.97 355.69 38.75 118.98 10 7 29 998.2 -14.96 348.87
 110.00 19 27 27 4820.13 32.82 203.52 47.09 79.84 20 47 47 4220.1 31.07 194.74

DIFFERENTIAL CORRECTIONS

TOE .5181 TRA-1.0497 TC3 .0565 BAU .0620
 RDE -.4085 RRA -.1982 RC3 .1138 FAU .02151
 FDE -.4919 FRA .5831 FC3 -.5104 BSP 3327
 BDE .6598 BRA 1.0683 BC3 .1271 FSP -201

MID-COURSE EXECUTION ACCURACY

SGT 1128.9 SGR 453.6 SG3 82.7
 RRT .0256 RRF -.0274 RTF -.7802
 SGB 1216.6 R23 -.0036 R13 -.7802
 SG1 1129.0 SG2 453.4 THA .70

ORBIT DETERMINATION ACCURACY

ST 578.0 SR 391.7 SS 546.4
 CRT -.7638 CRS -.8791 CST .9781
 LSA 858.6 MSA 220.6 SSA 16.0
 EL1 662.5 EL2 220.6 ALF 148.79

LAUNCH DATE JUN 3 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 207.628

RL 151.74 LAL -.00 LOL 251.75 VL 24.087 GAL 4.01 AZL 93.36 HCA 84.27 SMA 113.53 ECC .34300 INC 3.3555 V1 29.361
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.622 GAP -19.93 AZP 90.34 TAL 172.25 TAP 256.52 RCA 74.59 APO 152.46 V2 34.806
 RC 42.841 GL -14.20 GP .76 ZAL 75.57 ZAP 6.29 ETS 187.19 ZAE 165.79 ETE 62.98 ZAC 102.52 ETC 15.00 CLP 6.25

PLANETOCENTRIC CONIC

C3 32.893 VHL 5.735 DLA -11.68 RAL 171.22 RAD 6568.3 VEL 12.420 PTH 2.24 VHP 12.114 DPA 10.79 RAP 165.26 ECC 1.5413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 59 1965.87 -12.86 26.31 38.85 115.45 8 5 44 1365.9 -9.33 19.41
 90.00 16 31 1 5352.08 27.70 244.10 45.66 83.88 18 0 13 4752.1 26.56 235.62
 100.00 8 48 24 1722.53 -14.11 7.80 38.22 116.63 9 17 6 1122.5 -10.42 .95
 100.00 17 58 17 5070.66 29.08 223.21 45.47 82.75 19 22 48 4470.7 27.77 214.66
 110.00 9 43 15 1550.73 -17.39 352.93 36.39 119.91 10 9 6 950.7 -13.28 346.23
 110.00 19 19 55 4815.22 32.76 203.15 44.81 79.63 20 40 10 4215.2 30.98 194.38

DIFFERENTIAL CORRECTIONS

TOE .5230 TRA-1.0257 TC3 .0952 BAU .0696
 RDE -.3834 RRA -.1850 RC3 .1264 FAU .02262
 FDE -.5234 FRA .5933 FC3 -.5954 BSP 3498
 BDE .6485 BRA 1.0422 BC3 .1583 FSP -224

MID-COURSE EXECUTION ACCURACY

SGT 1174.7 SGR 451.0 SG3 90.9
 RRT .0249 RRF -.0274 RTF -.7942
 SGB 1258.3 R23 -.0042 R13 -.7942
 SG1 1174.7 SG2 450.8 THA .64

ORBIT DETERMINATION ACCURACY

ST 609.6 SR 387.2 SS 579.7
 CRT -.7726 CRS -.8854 CST .9782
 LSA 899.9 MSA 218.0 SSA 16.2
 EL1 688.6 EL2 217.7 ALF 150.64

LAUNCH DATE JUN 3 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 214.295

RL 151.74 LAL -.00 LOL 251.75 VL 24.360 GAL 3.70 AZL 93.37 HCA 87.43 SMA 114.82 ECC .32730 INC 3.3707 V1 29.361
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.812 GAP -18.88 AZP 90.15 TAL 172.32 TAP 259.76 RCA 77.24 APO 152.40 V2 34.812
 RC 42.900 GL -15.20 GP .81 ZAL 76.00 ZAP 4.69 ETS 190.07 ZAE 164.25 ETE 54.16 ZAC 101.02 ETC 14.82 CLP 4.62

PLANETOCENTRIC CONIC

C3 29.728 VHL 5.452 DLA -12.45 RAL 170.46 RAD 6568.2 VEL 12.292 PTH 2.21 VHP 11.515 DPA 10.25 RAP 166.72 ECC 1.4893
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 26 1914.56 -11.34 23.31 36.50 116.12 8 8 20 1314.6 -7.74 16.48
 90.00 16 21 32 5352.55 27.70 244.13 43.31 83.89 17 50 44 4752.5 26.57 235.65
 100.00 8 51 23 1672.75 -12.57 4.90 35.86 117.35 9 19 15 1072.7 -8.81 358.13
 100.00 17 49 16 5069.59 29.07 223.14 43.13 82.71 19 13 45 4469.6 27.76 214.58
 110.00 9 45 12 1504.17 -15.79 350.27 34.02 120.72 10 10 16 904.2 -11.59 343.67
 110.00 19 11 56 4810.93 32.70 202.83 42.47 79.45 20 32 6 4210.9 30.90 194.07

DIFFERENTIAL CORRECTIONS

TOE .5288 TRA-1.0002 TC3 .1413 BAU .0790
 RDE -.3594 RRA -.1724 RC3 .1397 FAU .02387
 FDE -.5585 FRA .6030 FC3 -.6952 BSP 3673
 BDE .6394 BRA 1.0149 BC3 .1987 FSP -251

MID-COURSE EXECUTION ACCURACY

SGT 1221.1 SGR 447.5 SG3 100.0
 RRT .0243 RRF -.0274 RTF -.8074
 SGB 1300.5 R23 -.0048 R13 -.8075
 SG1 1221.2 SG2 447.4 THA .59

ORBIT DETERMINATION ACCURACY

ST 642.7 SR 381.8 SS 615.6
 CRT -.7820 CRS -.8920 CST .9784
 LSA 944.2 MSA 214.8 SSA 16.5
 EL1 716.5 EL2 213.5 ALF 152.43

LAUNCH DATE JUN 3 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 220.979

RL 151.74 LAL -.00 LOL 251.75 VL 24.611 GAL 3.41 AZL 93.39 HCA 90.60 SMA 116.06 ECC .31260 INC 3.3859 V1 29.361
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.990 GAP -17.87 AZP 89.96 TAL 172.45 TAP 263.05 RCA 79.78 APO 152.34 V2 34.819
 RC 43.133 GL -16.23 GP .86 ZAL 76.54 ZAP 3.09 ETS 196.23 ZAE 162.48 ETE 47.05 ZAC 99.54 ETC 14.64 CLP 2.97

PLANETOCENTRIC CONIC

C3 26.946 VHL 5.191 DLA -13.20 RAL 169.59 RAD 6568.1 VEL 12.179 PTH 2.19 VHP 10.939 DPA 9.71 RAP 168.16 ECC 1.4435
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 26 1864.25 -9.82 20.40 34.13 116.69 8 10 31 1264.3 -6.16 13.63
 90.00 16 11 34 5353.82 27.71 244.22 40.92 83.94 17 40 48 4753.8 26.58 235.74
 100.00 8 53 54 1624.00 -11.03 2.10 33.49 117.96 9 20 58 1024.0 -7.20 355.40
 100.00 17 39 47 5069.31 29.07 223.12 40.73 82.70 19 4 17 4469.3 27.75 214.56
 110.00 9 46 41 1458.71 -14.19 347.72 31.65 121.43 10 11 0 858.7 -9.92 341.21
 110.00 19 3 30 4807.36 32.66 202.56 40.07 79.29 20 23 38 4207.4 30.84 193.82

DIFFERENTIAL CORRECTIONS

TOE .5354 TRA -.9734 TC3 .1950 BAU .0894
 RDE -.3365 RRA -.1603 RC3 .1536 FAU .02527
 FDE -.5975 FRA .6124 FC3 -.8119 BSP 3843
 BDE .6324 BRA .9866 BC3 .2482 FSP -280

MID-COURSE EXECUTION ACCURACY

SGT 1268.2 SGR 443.2 SG3 110.2
 RRT .0239 RRF -.0279 RTF -.8200
 SGB 1343.4 R23 -.0056 R13 -.8200
 SG1 1268.2 SG2 443.1 THA .54

ORBIT DETERMINATION ACCURACY

ST 677.4 SR 375.4 SS 654.1
 CRT -.7920 CRS -.8985 CST .9788
 LSA 991.4 MSA 210.8 SSA 16.7
 EL1 746.0 EL2 208.2 ALF 154.14

LAUNCH DATE JUN 3 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 227.677

RL 151.74 LAL -.00 LOL 251.75 VL 24.844 GAL 3.12 AZL 93.40 HCA 93.77 SMA 117.24 ECC .29885 INC 3.4011 V1 29.361
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.157 GAP -16.91 AZP 89.78 TAL 172.63 TAP 266.39 RCA 82.20 APO 152.28 V2 34.826
 RC 43.534 GL -17.30 GP .92 ZAL 77.18 ZAP 1.58 ETS 215.55 ZAE 160.60 ETE 41.36 ZAC 98.09 ETC 14.48 CLP 1.28

PLANETOCENTRIC CONIC

C3 24.504 VHL 4.950 DLA -13.94 RAL 168.61 RAD 6568.0 VEL 12.078 PTH 2.16 VHP 10.385 DPA 9.18 RAP 169.56 ECC 1.4033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 42 1 1815.14 -8.30 17.59 31.76 117.17 8 12 16 1215.1 -4.60 10.87
 90.00 16 1 11 5355.98 27.73 244.38 38.48 84.01 17 30 27 4756.0 26.61 235.89
 100.00 8 55 59 1576.49 -9.50 359.40 31.12 118.48 9 22 16 976.5 -5.62 352.76
 100.00 17 29 54 5069.87 29.07 223.16 38.30 82.72 18 54 24 4469.9 27.76 214.60
 110.00 9 47 42 1414.53 -12.61 345.27 29.27 122.04 10 11 16 814.5 -8.28 338.84
 110.00 18 54 41 4804.58 32.62 202.35 37.64 79.17 20 14 45 4204.6 30.79 193.61

DIFFERENTIAL CORRECTIONS

TDE .5426 TRA -.9456 TC3 .2558 BAU .1003
 RDE -.3146 RRA -.1489 RC3 .1681 FAU .02683
 FDE -.6408 FRA .6211 FC3 -.9479 BSP 4017
 BDE .6272 BRA .9572 BC3 .3061 FSP -313

MID-COURSE EXECUTION ACCURACY

SGT 1315.4 SGR 438.0 SG3 121.6
 RRT .0237 RRF -.0285 RTF -.8315
 SGB 1386.4 R23 -.0063 R13 -.8315
 SG1 1315.4 SG2 437.8 THA .51

ORBIT DETERMINATION ACCURACY

ST 713.4 SR 368.1 SS 695.2
 CRT -.8022 CRS -.9051 CST .9791
 LSA 1041.5 MSA 206.5 SSA 16.9
 EL1 777.0 EL2 201.8 ALF 155.78

LAUNCH DATE JUN 3 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 234.384

RL 151.74 LAL -.00 LOL 251.75 VL 25.059 GAL 2.85 AZL 93.42 HCA 96.94 SMA 118.36 ECC .28604 INC 3.4164 V1 29.361
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.312 GAP -15.98 AZP 89.59 TAL 172.85 TAP 269.79 RCA 84.50 APO 152.21 V2 34.834
 RC 44.099 GL -18.38 GP .98 ZAL 77.91 ZAP 1.07 ETS 293.93 ZAE 158.69 ETE 36.78 ZAC 96.67 ETC 14.33 CLP -.44

PLANETOCENTRIC CONIC

C3 22.363 VHL 4.729 DLA -14.66 RAL 167.53 RAD 6567.9 VEL 11.989 PTH 2.14 VHP 9.852 DPA 8.66 RAP 170.94 ECC 1.3680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 44 10 1767.44 -6.81 14.88 29.39 117.55 8 13 37 1167.4 -3.07 8.20
 90.00 15 50 24 5359.05 27.75 244.60 36.01 84.12 17 19 43 4759.1 26.65 236.11
 100.00 8 57 37 1530.42 -7.99 356.81 28.75 118.90 9 23 8 930.4 -4.08 350.21
 100.00 17 19 37 5071.30 29.08 223.26 35.83 82.78 18 44 8 4471.3 27.78 214.70
 110.00 9 48 15 1371.84 -11.05 342.94 26.90 122.55 10 11 7 771.8 -6.68 336.58
 110.00 18 45 29 4802.64 32.60 202.21 35.18 79.09 20 5 32 4202.6 30.75 193.47

DIFFERENTIAL CORRECTIONS

TDE .5439 TRA -.9177 TC3 .3114 BAU .1080
 RDE -.2938 RRA -.1380 RC3 .1830 FAU .02859
 FDE -.6895 FRA .6293 FC3 -1.1068 BSP 4150
 BDE .6181 BRA .9281 BC3 .3612 FSP -350

MID-COURSE EXECUTION ACCURACY

SGT 1357.2 SGR 431.9 SG3 134.3
 RRT .0257 RRF -.0298 RTF -.8367
 SGB 1424.3 R23 -.0059 R13 -.8367
 SG1 1357.3 SG2 431.7 THA .52

ORBIT DETERMINATION ACCURACY

ST 743.8 SR 359.7 SS 739.5
 CRT -.8096 CRS -.9117 CST .9785
 LSA 1089.9 MSA 203.3 SSA 17.2
 EL1 802.7 EL2 195.6 ALF 157.18

LAUNCH DATE JUN 3 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 241.098

RL 151.74 LAL -.00 LOL 251.75 VL 25.256 GAL 2.58 AZL 93.43 HCA 100.11 SMA 119.42 ECC .27412 INC 3.4319 V1 29.361
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.457 GAP -15.08 AZP 89.40 TAL 173.12 TAP 273.23 RCA 86.68 APO 152.15 V2 34.842
 RC 44.820 GL -19.49 GP 1.05 ZAL 78.74 ZAP 2.44 ETS 334.27 ZAE 156.82 ETE 33.08 ZAC 95.29 ETC 14.20 CLP -2.20

PLANETOCENTRIC CONIC

C3 20.491 VHL 4.527 DLA -15.37 RAL 166.35 RAD 6567.8 VEL 11.911 PTH 2.12 VHP 9.340 DPA 8.17 RAP 172.27 ECC 1.3372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 53 1721.32 -5.35 12.28 27.02 117.85 8 14 34 1121.3 -1.58 5.62
 90.00 15 39 16 5363.05 27.78 244.89 33.52 84.27 17 8 39 4763.1 26.69 236.39
 100.00 8 58 49 1485.97 -6.52 354.33 26.38 119.24 9 23 35 886.0 -2.58 347.77
 100.00 17 9 1 5073.63 29.10 223.43 33.35 82.86 18 33 34 4473.6 27.81 214.87
 110.00 9 48 21 1330.81 -9.54 340.73 24.54 122.98 10 10 32 730.8 -5.13 334.41
 110.00 18 35 57 4801.56 32.58 202.13 32.71 79.04 19 55 59 4201.6 30.73 193.40

DIFFERENTIAL CORRECTIONS

TDE .5591 TRA -.8854 TC3 .4024 BAU .1228
 RDE -.2740 RRA -.1278 RC3 .1979 FAU .03056
 FDE -.7441 FRA .6370 FC3 -1.2913 BSP 4366
 BDE .6227 BRA .8946 BC3 .4484 FSP -392

MID-COURSE EXECUTION ACCURACY

SGT 1408.7 SGR 424.9 SG3 148.5
 RRT .0246 RRF -.0315 RTF -.8528
 SGB 1471.4 R23 -.0084 R13 -.8528
 SG1 1408.7 SG2 424.7 THA .47

ORBIT DETERMINATION ACCURACY

ST 789.0 SR 350.5 SS 787.0
 CRT -.8239 CRS -.9181 CST .9803
 LSA 1151.5 MSA 196.4 SSA 17.2
 EL1 843.1 EL2 185.9 ALF 158.82

LAUNCH DATE JUN 3 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 247.815

RL 151.74 LAL -.00 LOL 251.75 VL 25.438 GAL 2.33 AZL 93.45 HCA 103.28 SMA 120.42 ECC .26306 INC 3.4477 V1 29.361
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.591 GAP -14.22 AZP 89.21 TAL 173.44 TAP 276.72 RCA 88.74 APO 152.10 V2 34.851
 RC 45.690 GL -20.61 GP 1.13 ZAL 79.65 ZAP 4.17 ETS 344.00 ZAE 155.04 ETE 30.05 ZAC 93.95 ETC 14.07 CLP -4.01

PLANETOCENTRIC CONIC

C3 18.857 VHL 4.342 DLA -16.04 RAL 165.08 RAD 6567.8 VEL 11.842 PTH 2.10 VHP 8.848 DPA 7.70 RAP 173.56 ECC 1.3103
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 11 1676.98 -3.94 9.79 24.67 118.06 8 15 8 1077.0 -.15 3.15
 90.00 15 27 52 5367.95 27.81 245.25 31.04 84.44 16 57 19 4767.9 26.75 236.74
 100.00 8 59 35 1443.33 -5.10 351.97 24.03 119.49 9 23 39 843.3 -1.13 345.43
 100.00 16 58 8 5076.83 29.13 223.67 30.87 82.98 18 22 45 4476.8 27.85 215.10
 110.00 9 48 1 1291.61 -8.08 338.63 22.20 123.33 10 9 33 691.6 -3.64 332.35
 110.00 18 26 11 4801.31 32.58 202.11 30.24 79.03 19 46 13 4201.3 30.73 193.38

DIFFERENTIAL CORRECTIONS

TDE .5682 TRA -.8540 TC3 .4874 BAU .1341
 RDE -.2552 RRA -.1181 RC3 .2129 FAU .03279
 FDE -.8056 FRA .6440 FC3 -1.5055 BSP 4531
 BDE .6229 BRA .8622 BC3 .5319 FSP -439

MID-COURSE EXECUTION ACCURACY

SGT 1454.7 SGR 417.0 SG3 164.4
 RRT .0263 RRF -.0343 RTF -.8624
 SGB 1513.3 R23 -.0095 R13 -.8624
 SG1 1454.7 SG2 416.8 THA .47

ORBIT DETERMINATION ACCURACY

ST 828.2 SR 340.3 SS 838.1
 CRT -.8348 CRS -.9243 CST .9810
 LSA 1211.3 MSA 191.1 SSA 17.4
 EL1 877.8 EL2 176.8 ALF 160.23

LAUNCH DATE JUN 3 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 254.533

RL 151.74 LAL -.00 LOL 251.75 VL 25.606 GAL 2.09 AZL 93.46 HCA 106.46 SMA 121.36 ECC .25283 INC 3.4640 V1 29.361
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.717 GAP -13.39 AZP 89.02 TAL 173.80 TAP 280.26 RCA 90.67 APO 152.04 V2 34.860
 RC 46.700 GL -21.73 GP 1.22 ZAL 80.63 ZAP 6.01 ETS 347.96 ZAE 153.40 ETE 27.56 ZAC 92.67 ETC 13.95 CLP -5.88

PLANETOCENTRIC CONIC

C3 17.433 VHL 4.175 DLA -16.70 RAL 163.74 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 8.376 DPA 7.26 RAP 174.80 ECC 1.2869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 4 1634.57 -2.57 7.41 22.35 118.21 8 15 19 1034.6 1.22 .78
 90.00 15 16 15 5373.70 27.85 245.66 28.57 84.65 16 45 48 4773.7 26.81 237.15
 100.00 8 59 57 1402.65 -3.73 349.72 21.70 119.68 9 23 19 802.7 .25 343.19
 100.00 16 47 3 5080.84 29.16 223.96 28.41 83.13 18 11 44 4480.8 27.91 215.38
 110.00 9 47 16 1254.38 -6.68 336.65 19.88 123.60 10 8 11 654.4 -2.22 330.41
 110.00 18 16 13 4801.88 32.59 202.15 27.78 79.06 19 36 15 4201.9 30.74 193.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5775 TRA -.8215 TC3 .5785 BAU .1449 SGT 1498.8 SGR 408.2 SG3 182.3 ST 867.7 SR 329.1 SS 892.8
 RDE -.2373 RRA -.1091 RC3 .2277 FAU .03530 RRT .0291 RRF -.0382 RTF -.8711 CRT -.8455 CRS -.9304 CST .9817
 FDE -.8751 FRA .6502 FC3-1.7529 BSP 4691 SGB 1553.4 R23 -.0108 R13 -.8711 LSA 1274.1 MSA 185.8 SSA 17.4
 BDE .6243 BRA .8287 BC3 .6217 FSP -492 SG1 1498.9 SG2 408.1 THA .49 EL1 912.8 EL2 167.0 ALF 161.58

LAUNCH DATE JUN 3 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 261.248

RL 151.74 LAL -.00 LOL 251.75 VL 25.759 GAL 1.86 AZL 93.48 HCA 109.63 SMA 122.24 ECC .24340 INC 3.4808 V1 29.361
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.833 GAP -12.59 AZP 88.83 TAL 174.19 TAP 283.82 RCA 92.49 APO 151.99 V2 34.870
 RC 47.841 GL -22.86 GP 1.32 ZAL 81.67 ZAP 7.93 ETS 350.03 ZAE 151.91 ETE 25.51 ZAC 91.44 ETC 13.84 CLP -7.82

PLANETOCENTRIC CONIC

C3 16.196 VHL 4.024 DLA -17.32 RAL 162.33 RAD 6567.6 VEL 11.729 PTH 2.07 VHP 7.922 DPA 6.85 RAP 175.99 ECC 1.2666
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 35 1594.23 -1.27 5.16 20.05 118.29 8 15 9 994.2 2.52 358.53
 90.00 15 4 30 5380.22 27.89 246.13 26.13 84.88 16 34 11 4780.2 26.89 237.61
 100.00 8 59 55 1364.06 -2.43 347.60 19.41 119.80 9 22 39 764.1 1.56 341.08
 100.00 16 35 52 5085.63 29.20 224.31 25.97 83.32 18 0 37 4485.6 27.97 215.72
 110.00 9 46 9 1219.23 -5.35 334.80 17.59 123.81 10 6 28 619.2 -.88 328.57
 110.00 18 6 7 4803.22 32.61 202.25 25.36 79.12 19 26 11 4203.2 30.76 193.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5865 TRA -.7884 TC3 .6738 BAU .1550 SGT 1540.7 SGR 398.6 SG3 202.4 ST 906.6 SR 316.8 SS 951.3
 RDE -.2202 RRA -.1008 RC3 .2422 FAU .03812 RRT .0335 RRF -.0438 RTF -.8789 CRT -.8558 CRS -.9360 CST .9824
 FDE -.9536 FRA .6556 FC3-2.0378 BSP 4843 SGB 1591.4 R23 -.0123 R13 -.8790 LSA 1339.5 MSA 180.8 SSA 17.4
 BDE .6265 BRA .7948 BC3 .7160 FSP -553 SG1 1540.8 SG2 398.4 THA .53 EL1 947.5 EL2 156.8 ALF 162.86

LAUNCH DATE JUN 3 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 267.958

RL 151.74 LAL -.00 LOL 251.75 VL 25.899 GAL 1.65 AZL 93.50 HCA 112.81 SMA 123.06 ECC .23473 INC 3.4983 V1 29.361
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.941 GAP -11.82 AZP 88.64 TAL 174.62 TAP 287.42 RCA 94.18 APO 151.95 V2 34.881
 RC 49.103 GL -23.97 GP 1.44 ZAL 82.76 ZAP 9.93 ETS 351.26 ZAE 150.62 ETE 23.80 ZAC 90.28 ETC 13.74 CLP -9.83

PLANETOCENTRIC CONIC

C3 15.125 VHL 3.889 DLA -17.91 RAL 160.87 RAD 6567.6 VEL 11.684 PTH 2.05 VHP 7.487 DPA 6.48 RAP 177.11 ECC 1.2489
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 45 1556.06 -.04 3.03 17.81 118.32 8 14 41 956.1 3.74 356.40
 90.00 14 52 44 5387.45 27.93 246.66 23.73 85.14 16 22 31 4787.5 26.96 238.13
 100.00 8 59 32 1327.65 -1.20 345.60 17.17 119.87 9 21 40 727.7 2.79 339.08
 100.00 16 24 38 5091.10 29.25 224.71 23.58 83.52 17 49 29 4491.1 28.04 216.11
 110.00 9 44 40 1186.25 -4.10 333.06 15.35 123.97 10 4 26 586.3 .38 326.85
 110.00 17 55 59 4805.26 32.63 202.40 22.98 79.20 19 16 4 4205.3 30.80 193.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5980 TRA -.7524 TC3 .7782 BAU .1657 SGT 1581.0 SGR 388.2 SG3 225.3 ST 948.0 SR 303.6 SS 1015.2
 RDE -.2039 RRA -.0930 RC3 .2562 FAU .04138 RRT .0387 RRF -.0514 RTF -.8874 CRT -.8669 CRS -.9415 CST .9835
 FDE -1.0441 FRA .6590 FC3-2.3684 BSP 5027 SGB 1628.0 R23 -.0149 R13 -.8875 LSA 1410.8 MSA 175.1 SSA 17.4
 BDE .6318 BRA .7581 BC3 .8193 FSP -623 SG1 1581.1 SG2 387.9 THA .58 EL1 984.7 EL2 145.7 ALF 164.13

LAUNCH DATE JUN 3 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 274.662

RL 151.74 LAL -.00 LOL 251.75 VL 26.028 GAL 1.44 AZL 93.52 HCA 115.99 SMA 123.83 ECC .22678 INC 3.5167 V1 29.361
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.042 GAP -11.07 AZP 88.46 TAL 175.06 TAP 291.05 RCA 95.74 APO 151.91 V2 34.891
 RC 50.476 GL -25.06 GP 1.57 ZAL 83.87 ZAP 12.03 ETS 352.05 ZAE 149.52 ETE 22.40 ZAC 89.20 ETC 13.65 CLP -11.93

PLANETOCENTRIC CONIC

C3 14.200 VHL 3.768 DLA -18.47 RAL 159.39 RAD 6567.6 VEL 11.644 PTH 2.04 VHP 7.071 DPA 6.16 RAP 178.16 ECC 1.2337
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 37 1520.13 1.12 1.03 15.62 118.30 8 13 57 920.1 4.89 354.38
 90.00 14 41 0 5395.32 27.97 247.23 21.39 85.42 16 10 55 4795.3 27.05 238.69
 100.00 8 58 51 1293.48 -.04 343.73 14.98 119.89 9 20 25 693.5 3.94 337.20
 100.00 16 13 27 5097.20 29.29 225.16 21.25 83.75 17 38 24 4497.2 28.12 216.55
 110.00 9 42 54 1155.47 -2.93 331.45 13.17 124.07 10 2 10 555.5 1.56 325.25
 110.00 17 45 53 4807.97 32.67 202.61 20.66 79.32 19 6 1 4208.0 30.85 193.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6062 TRA -.7181 TC3 .8787 BAU .1745 SGT 1616.5 SGR 377.0 SG3 250.9 ST 984.4 SR 289.2 SS 1081.9
 RDE -.1882 RRA -.0859 RC3 .2697 FAU .04500 RRT .0483 RRF -.0626 RTF -.8939 CRT -.8759 CRS -.9463 CST .9842
 FDE -1.1450 FRA .6627 FC3-2.7437 BSP 5162 SGB 1659.9 R23 -.0170 R13 -.8940 LSA 1481.1 MSA 170.8 SSA 17.2
 BDE .6347 BRA .7232 BC3 .9192 FSP -702 SG1 1616.6 SG2 376.6 THA .68 EL1 1017.1 EL2 135.0 ALF 165.31

LAUNCH DATE JUN 3 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 281.356

RL 151.74 LAL -0.00 LOL 251.75 VL 26.145 GAL 1.26 AZL 93.54 HCA 119.17 SMA 124.53 ECC .21951 INC 3.5360 V1 29.361
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.134 GAP -10.35 AZP 88.27 TAL 175.53 TAP 294.70 RCA .9720 APO 151.87 V2 34.903
 RC 51.950 GL -26.12 GP 1.72 ZAL 85.00 ZAP 14.23 ETS 352.58 ZAE 148.66 ETE 21.26 ZAC 88.21 ETC 13.57 CLP -14.12

PLANETOCENTRIC CONIC

C3 13.405 VHL 3.661 DLA -19.00 RAL 157.88 RAD 6567.5 VEL 11.610 PTH 2.03 VHP 6.672 DPA 5.90 RAP 179.12 ECC 1.2206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 15 1486.44 2.21 359.15 13.51 118.24 8 13 1 886.4 5.96 352.48
 90.00 14 29 23 5403.77 28.02 247.84 19.13 85.73 15 59 27 4803.8 27.13 239.29
 100.00 8 57 56 1261.56 1.05 341.97 12.86 119.88 9 18 57 661.6 5.01 335.43
 100.00 16 2 23 5103.87 29.34 225.65 18.99 84.01 17 27 27 4503.9 28.20 217.03
 110.00 9 40 54 1126.90 -1.84 329.96 11.06 124.14 9 59 41 526.9 2.65 323.76
 110.00 17 35 54 4811.30 32.71 202.86 18.42 79.46 18 56 5 4211.3 30.91 194.10

DIFFERENTIAL CORRECTIONS

TDE .6140 TRA -.6832 TC3 .9772 BAU .1823
 RDE -.1729 RRA -.0793 RC3 .2828 FAU .04910
 FDE-1.2604 FRA .6649 FC3-3.1712 BSP 5277
 BDE .6378 BRA .6878 BC3 1.0173 FSP -791

MID-COURSE EXECUTION ACCURACY

SGT 1647.3 SGR 365.1 SG3 279.9
 RRT .0611 RRF -.0776 RTF -.8997
 SGB 1687.3 R23 -.0199 R13 -.8998
 SG1 1647.5 SG2 364.4 THA .82

ORBIT DETERMINATION ACCURACY

ST 1019.1 SR 273.5 SS 1153.6
 CRT -.8842 CRS -.9586 CST .9849
 LSA 1554.4 MSA 166.9 SSA 17.0
 EL1 1047.8 EL2 124.2 ALF 166.46

LAUNCH DATE JUN 3 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 288.040

RL 151.74 LAL -0.00 LOL 251.75 VL 26.251 GAL 1.08 AZL 93.56 HCA 122.35 SMA 125.19 ECC .21290 INC 3.5566 V1 29.361
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.220 GAP -9.66 AZP 88.09 TAL 176.00 TAP 298.35 RCA 98.54 APO 151.84 V2 34.914
 RC 53.515 GL -27.16 GP 1.89 ZAL 86.13 ZAP 16.54 ETS 352.94 ZAE 148.02 ETE 20.36 ZAC 87.32 ETC 13.49 CLP -16.43

PLANETOCENTRIC CONIC

C3 12.724 VHL 3.567 DLA -19.50 RAL 156.38 RAD 6567.5 VEL 11.581 PTH 2.03 VHP 6.292 DPA 5.70 RAP 180.00 ECC 1.2094
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 42 1454.94 3.22 357.39 11.48 118.15 8 11 56 854.9 6.96 350.70
 90.00 14 17 58 5412.76 28.06 248.50 16.96 86.05 15 48 11 4812.8 27.22 239.93
 100.00 8 56 50 1231.84 2.05 340.34 10.83 119.83 9 17 21 631.8 6.01 333.79
 100.00 15 51 31 5111.09 29.39 226.18 16.83 84.28 17 16 42 4511.1 28.29 217.55
 110.00 9 38 45 1100.47 -.83 328.58 9.03 124.17 9 57 5 500.5 3.66 322.37
 110.00 17 26 5 4815.22 32.76 203.15 16.28 79.63 18 46 21 4215.2 30.98 194.38

DIFFERENTIAL CORRECTIONS

TDE .6198 TRA -.6493 TC3 1.0695 BAU .1888
 RDE -.1579 RRA -.0734 RC3 .2956 FAU .05373
 FDE-1.3913 FRA .6676 FC3-3.6555 BSP 5355
 BDE .6396 BRA .6534 BC3 1.1096 FSP -891

MID-COURSE EXECUTION ACCURACY

SGT 1672.5 SGR 352.7 SG3 312.6
 RRT .0794 RRF -.0984 RTF -.9045
 SGB 1709.3 R23 -.0234 R13 -.9046
 SG1 1672.8 SG2 351.5 THA 1.00

ORBIT DETERMINATION ACCURACY

ST 1049.7 SR 256.4 SS 1229.7
 CRT -.8911 CRS -.9541 CST .9855
 LSA 1628.7 MSA 163.8 SSA 16.6
 EL1 1074.5 EL2 113.6 ALF 167.58

LAUNCH DATE JUN 3 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 294.711

RL 151.74 LAL -0.00 LOL 251.75 VL 26.347 GAL .92 AZL 93.58 HCA 125.54 SMA 125.79 ECC .20690 INC 3.5788 V1 29.361
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.299 GAP -8.98 AZP 87.92 TAL 176.48 TAP 302.02 RCA 99.76 APO 151.82 V2 34.926
 RC 55.163 GL -28.16 GP 2.10 ZAL 87.24 ZAP 18.98 ETS 353.18 ZAE 147.63 ETE 19.69 ZAC 86.54 ETC 13.42 CLP -18.86

PLANETOCENTRIC CONIC

C3 12.144 VHL 3.485 DLA -19.97 RAL 154.91 RAD 6567.5 VEL 11.556 PTH 2.02 VHP 5.929 DPA 5.57 RAP 180.77 ECC 1.1999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 3 1425.53 4.16 355.74 9.54 118.03 8 10 48 825.5 7.88 349.04
 90.00 14 6 49 5422.30 28.11 249.19 14.90 86.40 15 37 11 4822.3 27.31 240.62
 100.00 8 55 38 1204.21 2.99 338.82 8.90 119.76 9 15 42 604.2 6.93 332.25
 100.00 15 40 55 5118.86 29.44 226.75 14.78 84.58 17 6 14 4518.9 28.38 218.11
 110.00 9 36 31 1076.09 .10 327.31 7.09 124.18 9 54 27 476.1 4.59 321.10
 110.00 17 16 31 4819.74 32.81 203.50 14.24 79.83 18 36 51 4219.7 31.06 194.71

DIFFERENTIAL CORRECTIONS

TDE .6237 TRA -.6156 TC3 1.1530 BAU .1938
 RDE -.1429 RRA -.0680 RC3 .3084 FAU .05894
 FDE-1.5400 FRA .6695 FC3-4.2019 BSP 5405
 BDE .6399 BRA .6193 BC3 1.1935 FSP -1002

MID-COURSE EXECUTION ACCURACY

SGT 1690.3 SGR 339.9 SG3 349.5
 RRT .1042 RRF -.1265 RTF -.9085
 SGB 1724.1 R23 -.0281 R13 -.9086
 SG1 1690.7 SG2 337.9 THA 1.25

ORBIT DETERMINATION ACCURACY

ST 1075.4 SR 237.7 SS 1310.2
 CRT -.8967 CRS -.9568 CST .9860
 LSA 1704.0 MSA 161.3 SSA 16.2
 EL1 1096.5 EL2 103.2 ALF 168.69

LAUNCH DATE JUN 3 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 301.368

RL 151.74 LAL -0.00 LOL 251.75 VL 26.434 GAL .77 AZL 93.60 HCA 128.73 SMA 126.34 ECC .20148 INC 3.6028 V1 29.361
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.372 GAP -8.33 AZP 87.74 TAL 176.95 TAP 305.68 RCA 100.88 APO 151.80 V2 34.938
 RC 56.885 GL -29.12 GP 2.33 ZAL 88.31 ZAP 21.56 ETS 353.34 ZAE 147.50 ETE 19.26 ZAC 85.89 ETC 13.36 CLP -21.44

PLANETOCENTRIC CONIC

C3 11.653 VHL 3.414 DLA -20.41 RAL 153.46 RAD 6567.4 VEL 11.534 PTH 2.01 VHP 5.584 DPA 5.53 RAP 181.42 ECC 1.1918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 24 1398.04 5.04 354.20 7.72 117.90 8 9 42 798.0 8.73 347.47
 90.00 13 55 57 5432.47 28.15 249.93 12.96 86.77 15 26 29 4832.5 27.40 241.35
 100.00 8 54 26 1178.50 3.86 337.41 7.07 119.67 9 14 4 578.5 7.78 330.82
 100.00 15 30 36 5127.24 29.49 227.37 12.85 84.90 16 56 4 4527.2 28.47 218.71
 110.00 9 34 17 1053.60 .96 326.14 5.27 124.17 9 51 50 453.6 5.44 319.91
 110.00 17 7 15 4824.90 32.87 203.89 12.32 80.05 18 27 40 4224.9 31.15 195.09

DIFFERENTIAL CORRECTIONS

TDE .6267 TRA -.5800 TC3 1.2314 BAU .1983
 RDE -.1276 RRA -.0631 RC3 .3217 FAU .06501
 FDE-1.7123 FRA .6669 FC3-4.8293 BSP 5480
 BDE .6396 BRA .5835 BC3 1.2727 FSP -1139

MID-COURSE EXECUTION ACCURACY

SGT 1700.7 SGR 327.0 SG3 391.7
 RRT .1378 RRF -.1642 RTF -.9124
 SGB 1731.8 R23 -.0341 R13 -.9126
 SG1 1701.3 SG2 323.7 THA 1.58

ORBIT DETERMINATION ACCURACY

ST 1097.4 SR 217.0 SS 1398.1
 CRT -.9013 CRS -.9588 CST .9865
 LSA 1783.4 MSA 158.9 SSA 15.6
 EL1 1114.8 EL2 92.5 ALF 169.82

LAUNCH DATE JUN 3 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 308.010

RL 151.74 LAL -.00 LOL 251.75 VL 26.513 GAL .63 AZL 93.63 HCA 131.92 SMA 126.84 ECC .19661 INC 3.6291 V1 29.361
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.440 GAP -7.70 AZP 87.57 TAL 177.41 TAP 309.33 RCA 101.90 APO 151.78 V2 34.951
 RC 58.673 GL -30.03 GP 2.60 ZAL 89.34 ZAP 24.31 ETS 353.45 ZAE 147.62 ETE 19.06 ZAC 85.39 ETC 13.30 CLP -24.18

PLANETOCENTRIC CONIC

C3 11.242 VHL 3.553 DLA -20.84 RAL 152.07 RAD 6567.4 VEL 11.517 PTH 2.01 VHP 5.257 DPA 5.60 RAP 181.95 ECC 1.1850
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 52 1372.19 5.86 352.74 6.03 117.75 8 8 44 772.2 9.53 345.99
 90.00 13 45 23 5443.38 28.19 250.73 11.15 87.17 15 16 7 4843.4 27.50 242.13
 100.00 8 53 20 1154.47 4.66 336.08 5.37 119.56 9 12 35 554.5 8.57 329.47
 100.00 15 20 36 5136.33 29.55 228.04 11.05 85.25 16 46 13 4536.3 28.58 219.37
 110.00 9 32 9 1032.80 1.76 325.05 3.56 124.14 9 49 22 432.8 6.23 318.82
 110.00 16 58 17 4830.77 32.94 204.33 10.55 80.30 18 18 47 4230.8 31.25 195.51

DIFFERENTIAL CORRECTIONS

TDE .6282 TRA -.5453 TC3 1.2926 BAU .2007
 RDE -.1119 RRA -.0587 RC3 .3362 FAU .07178
 FDE-1.9111 FRA .6638 FC3-5.5274 BSP 5534
 BDE .6380 BRA .5485 BC3 1.3356 FSP -1293

MID-COURSE EXECUTION ACCURACY

SGT 1702.3 SGR 314.5 SG3 439.5
 RRT .1816 RRF -.2136 RTF -.9156
 SGB 1731.1 R23 -.0423 R13 -.9159
 SG1 1703.3 SG2 309.1 THA 1.99

ORBIT DETERMINATION ACCURACY

ST 1114.6 SR 194.0 SS 1493.2
 CRT -.9037 CRS -.9593 CST .9871
 LSA 1866.8 MSA 156.8 SSA 14.9
 EL1 1128.4 EL2 82.0 ALF 171.01

LAUNCH DATE JUN 3 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 314.637

RL 151.74 LAL -.00 LOL 251.75 VL 26.583 GAL .51 AZL 93.66 HCA 135.11 SMA 127.29 ECC .19225 INC 3.6581 V1 29.361
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.501 GAP -7.09 AZP 87.41 TAL 177.86 TAP 312.97 RCA 102.82 APO 151.77 V2 34.964
 RC 60.521 GL -30.91 GP 2.92 ZAL 90.30 ZAP 27.24 ETS 353.52 ZAE 148.02 ETE 19.14 ZAC 85.04 ETC 13.25 CLP -27.10

PLANETOCENTRIC CONIC

C3 10.901 VHL 3.302 DLA -21.25 RAL 150.75 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 4.947 DPA 5.78 RAP 182.33 ECC 1.1794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 36 1347.64 6.64 351.36 4.47 117.59 8 8 3 747.6 10.28 344.57
 90.00 13 35 7 5455.26 28.22 251.60 9.49 87.60 15 6 2 4855.3 27.59 242.99
 100.00 8 52 28 1131.80 5.42 334.83 3.81 119.44 9 11 20 531.8 9.31 328.19
 100.00 15 10 55 5146.34 29.60 228.78 9.40 85.63 16 36 41 4546.3 28.68 220.10
 110.00 9 30 15 1013.40 2.50 324.04 1.99 124.10 9 47 8 413.4 6.96 317.79
 110.00 16 49 38 4837.50 33.02 204.84 8.92 80.60 18 10 15 4237.5 31.37 196.00

DIFFERENTIAL CORRECTIONS

TDE .6196 TRA -.5150 TC3 1.3244 BAU .1997
 RDE -.0953 RRA -.0548 RC3 .3527 FAU .07920
 FDE-2.1270 FRA .6653 FC3-6.2902 BSP 5446
 BDE .6269 BRA .5179 BC3 1.3705 FSP -1453

MID-COURSE EXECUTION ACCURACY

SGT 1685.3 SGR 303.3 SG3 491.9
 RRT .2423 RRF -.2801 RTF -.9160
 SGB 1712.4 R23 -.0528 R13 -.9165
 SG1 1687.0 SG2 294.0 THA 2.57

ORBIT DETERMINATION ACCURACY

ST 1113.3 SR 168.3 SS 1586.6
 CRT -.9007 CRS -.9573 CST .9870
 LSA 1939.1 MSA 156.7 SSA 14.2
 EL1 1123.6 EL2 72.4 ALF 172.21

LAUNCH DATE JUN 3 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 321.246

RL 151.74 LAL -.00 LOL 251.75 VL 26.645 GAL .40 AZL 93.69 HCA 138.30 SMA 127.70 ECC .18837 INC 3.6907 V1 29.361
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.558 GAP -6.50 AZP 87.25 TAL 178.28 TAP 316.58 RCA 103.65 APO 151.76 V2 34.977
 RC 62.420 GL -31.75 GP 3.31 ZAL 91.19 ZAP 30.38 ETS 353.55 ZAE 148.70 ETE 19.54 ZAC 84.88 ETC 13.21 CLP -30.22

PLANETOCENTRIC CONIC

C3 10.624 VHL 3.259 DLA -21.65 RAL 149.50 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 4.656 DPA 6.09 RAP 182.56 ECC 1.1748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 42 1324.00 7.38 350.02 3.06 117.42 8 7 46 724.0 11.00 343.20
 90.00 13 25 4 5468.40 28.26 252.56 7.99 88.08 14 56 12 4868.4 27.69 243.94
 100.00 8 51 58 1110.14 6.15 333.63 2.39 119.31 9 10 28 510.1 10.01 326.97
 100.00 15 1 29 5157.50 29.66 229.60 7.91 86.07 16 27 27 4557.5 28.80 220.91
 110.00 9 28 39 995.12 3.20 323.08 .56 124.05 9 45 15 395.1 7.64 316.82
 110.00 16 41 17 4845.28 33.10 205.43 7.45 80.94 18 2 2 4245.3 31.50 196.57

DIFFERENTIAL CORRECTIONS

TDE .6144 TRA -.4803 TC3 1.3511 BAU .1991
 RDE -.0771 RRA -.0513 RC3 .3729 FAU .08808
 FDE-2.3905 FRA .6543 FC3-7.1778 BSP 5440
 BDE .6192 BRA .4831 BC3 1.4016 FSP -1659

MID-COURSE EXECUTION ACCURACY

SGT 1663.5 SGR 294.8 SG3 553.8
 RRT .3180 RRF -.3641 RTF -.9175
 SGB 1689.4 R23 -.0674 R13 -.9182
 SG1 1666.2 SG2 279.0 THA 3.32

ORBIT DETERMINATION ACCURACY

ST 1114.1 SR 138.8 SS 1698.0
 CRT -.8938 CRS -.9518 CST .9873
 LSA 2029.7 MSA 155.3 SSA 13.4
 EL1 1121.0 EL2 61.9 ALF 173.62

LAUNCH DATE JUN 3 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 327.838

RL 151.74 LAL -.00 LOL 251.75 VL 26.701 GAL .30 AZL 93.73 HCA 141.50 SMA 128.07 ECC .18493 INC 3.7276 V1 29.361
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.609 GAP -5.92 AZP 87.08 TAL 178.66 TAP 320.16 RCA 104.38 APO 151.75 V2 34.990
 RC 64.367 GL -32.56 GP 3.76 ZAL 91.99 ZAP 33.75 ETS 353.57 ZAE 149.66 ETE 20.34 ZAC 84.91 ETC 13.18 CLP -33.56

PLANETOCENTRIC CONIC

C3 10.405 VHL 3.226 DLA -22.07 RAL 148.35 RAD 6567.4 VEL 11.480 PTH 2.00 VHP 4.384 DPA 6.57 RAP 182.62 ECC 1.1712
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 23 1300.68 8.11 348.69 1.81 117.22 8 8 4 700.7 11.70 341.85
 90.00 13 15 9 5483.27 28.29 253.64 6.65 88.62 14 46 32 4883.3 27.80 245.01
 100.00 8 51 59 1088.97 6.85 332.45 1.13 119.17 9 10 8 489.0 10.69 325.77
 100.00 14 52 14 5170.21 29.71 230.54 6.58 86.56 16 18 25 4570.2 28.92 221.83
 110.00 9 27 31 977.56 3.87 322.16 359.28 123.99 9 43 49 377.6 8.30 315.89
 110.00 16 33 11 4854.39 33.20 206.12 6.15 81.34 17 54 6 4254.4 31.64 197.24

DIFFERENTIAL CORRECTIONS

TDE .5968 TRA -.4517 TC3 1.3249 BAU .1924
 RDE -.0572 RRA -.0484 RC3 .3969 FAU .09721
 FDE-2.6737 FRA .6527 FC3-8.0882 BSP 5273
 BDE .5996 BRA .4543 BC3 1.3831 FSP -1866

MID-COURSE EXECUTION ACCURACY

SGT 1613.7 SGR 290.7 SG3 619.1
 RRT .4084 RRF -.4656 RTF -.9148
 SGB 1639.6 R23 -.0895 R13 -.9160
 SG1 1618.1 SG2 264.6 THA 4.32

ORBIT DETERMINATION ACCURACY

ST 1091.8 SR 105.6 SS 1805.5
 CRT -.8695 CRS -.9352 CST .9870
 LSA 2106.8 MSA 155.8 SSA 12.5
 EL1 1095.7 EL2 52.0 ALF 175.18

LAUNCH DATE JUN 3 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 334.411

RL 151.74 LAL -.00 LOL 251.75 VL 26.750 GAL .22 AZL 93.77 MCA 144.70 SMA 128.39 ECC .18192 INC 3.7701 V1 29.361
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.656 GAP -5.36 AZP 86.92 TAL 179.01 TAP 323.71 RCA 105.03 APO 151.75 V2 35.003
 RC 66.356 GL -33.35 GP 4.31 ZAL 92.70 ZAP 37.36 ETS 353.57 ZAE 150.89 ETE 21.64 ZAC 85.15 ETC 13.18 CLP -37.15

PLANETOCENTRIC CONIC

C3 10.239 VHL 3.200 DLA -22.49 RAL 147.28 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 4.131 DPA 7.23 RAP 182.49 ECC 1.1685
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 50 1277.04 8.84 347.34 .72 117.01 8 9 7 677.0 12.40 340.46
 90.00 13 5 12 5500.44 28.31 254.90 5.49 89.25 14 36 53 4900.4 27.90 246.26
 100.00 8 52 41 1067.76 7.55 331.27 .03 119.01 9 10 29 467.8 11.37 324.55
 100.00 14 43 3 5184.96 29.77 231.64 5.43 87.13 16 9 28 4585.0 29.05 222.91
 110.00 9 26 57 960.30 4.52 321.26 358.16 123.92 9 42 58 360.3 8.95 314.96
 110.00 16 25 16 4865.18 33.30 206.95 5.03 81.81 17 46 21 4265.2 31.82 198.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5739 TRA -.4223 TC3 1.2820 BAU .1850 SGT 1548.9 SGR 294.6 SG3 693.2 ST 1056.8 SR 67.9 SS 1921.4
 RDE -.0346 RRA -.0459 RC3 .4280 FAU .10778 RRT .5127 RRF -.5824 RTF -.9109 CRT -.7923 CRS -.8777 CST .9864
 FDE -2.9973 FRA .6429 FC3-9.1135 BSP 5076 SGB 1576.6 R23 -.1196 R13 -.9130 LSA 2188.3 MSA 156.1 SSA 11.5
 BDE .5749 BRA .4248 BC3 1.3516 FSP -2108 SG1 1556.4 SG2 251.7 THA 5.72 EL1 1058.2 EL2 41.4 ALF 177.08

LAUNCH DATE JUN 3 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 340.967

RL 151.74 LAL -.00 LOL 251.75 VL 26.792 GAL .15 AZL 93.82 MCA 147.90 SMA 128.67 ECC .17929 INC 3.8199 V1 29.361
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.698 GAP -4.82 AZP 86.76 TAL 179.31 TAP 327.22 RCA 105.60 APO 151.74 V2 35.016
 RC 68.382 GL -34.12 GP 4.98 ZAL 93.31 ZAP 41.25 ETS 353.57 ZAE 152.38 ETE 23.62 ZAC 85.62 ETC 13.20 CLP -41.00

PLANETOCENTRIC CONIC

C3 10.124 VHL 3.182 DLA -22.95 RAL 146.32 RAD 6567.4 VEL 11.468 PTH 1.99 VHP 3.899 DPA 8.10 RAP 182.17 ECC 1.1666
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 50 21 1252.15 9.61 345.91 359.82 116.76 8 11 13 652.1 13.13 339.00
 90.00 12 55 0 5520.84 28.32 256.39 4.50 90.00 14 27 1 4920.8 28.02 247.74
 100.00 8 54 19 1045.71 8.28 330.03 359.11 118.83 9 11 44 445.7 12.06 323.29
 100.00 14 33 44 5202.50 29.82 232.94 4.47 87.81 16 0 26 4602.5 29.20 224.19
 110.00 9 27 9 942.77 5.19 320.34 357.22 123.83 9 42 51 342.8 9.60 314.02
 110.00 16 17 23 4878.21 33.43 207.95 4.11 82.39 17 38 41 4278.2 32.01 199.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5366 TRA -.4013 TC3 1.1718 BAU .1707 SGT 1451.1 SGR 309.1 SG3 768.9 ST 994.8 SR 31.6 SS 2032.2
 RDE -.0087 RRA -.0442 RC3 .4657 FAU .11817 RRT .6104 RRF -.6989 RTF -.8994 CRT -.2797 CRS -.4321 CST .9847
 FDE -3.3415 FRA .6552 FC-10.1050 BSP 4651 SGB 1483.6 R23 -.1692 R13 -.9034 LSA 2257.3 MSA 158.6 SSA 10.6
 BDE .5367 BRA .4037 BC3 1.2610 FSP -2326 SG1 1463.7 SG2 242.8 THA 7.62 EL1 994.8 EL2 30.3 ALF 179.49

LAUNCH DATE JUN 3 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 347.503

RL 151.74 LAL -.00 LOL 251.75 VL 26.829 GAL .09 AZL 93.88 MCA 151.11 SMA 128.92 ECC .17702 INC 3.8795 V1 29.361
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.737 GAP -4.30 AZP 86.60 TAL 179.57 TAP 330.68 RCA 106.10 APO 151.74 V2 35.029
 RC 70.443 GL -34.91 GP 5.80 ZAL 93.80 ZAP 45.42 ETS 353.58 ZAE 154.09 ETE 26.55 ZAC 86.32 ETC 13.27 CLP -45.13

PLANETOCENTRIC CONIC

C3 10.062 VHL 3.172 DLA -23.46 RAL 145.45 RAD 6567.4 VEL 11.465 PTH 1.99 VHP 3.688 DPA 9.23 RAP 181.67 ECC 1.1656
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 54 15 1224.89 10.44 344.34 359.11 116.47 8 14 40 624.9 13.91 337.39
 90.00 12 44 10 5545.61 28.30 258.20 3.70 90.91 14 16 35 4945.6 28.13 249.54
 100.00 8 57 7 1021.96 9.06 328.70 358.38 118.61 9 14 9 422.0 12.81 321.92
 100.00 14 23 59 5223.77 29.86 234.52 3.70 88.64 15 51 3 4623.8 29.36 225.75
 110.00 9 28 14 924.38 5.88 319.37 356.44 123.73 9 43 38 324.4 10.28 313.03
 110.00 16 9 21 4894.12 33.56 209.17 3.38 83.10 17 30 55 4294.1 32.25 200.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4930 TRA -.3779 TC3 1.0447 BAU .1567 SGT 1336.4 SGR 339.7 SG3 851.9 ST 918.3 SR 48.2 SS 2150.5
 RDE .0220 RRA -.0430 RC3 .5148 FAU .12979 RRT .6936 RRF -.8034 RTF -.8845 CRT .9326 CRS .8598 CST .9823
 FDE -3.7280 FRA .6569 FC-11.1676 BSP 4182 SGB 1378.9 R23 -.2349 R13 -.8926 LSA 2333.3 MSA 159.9 SSA 9.5
 BDE .4935 BRA .3804 BC3 1.1646 FSP -2555 SG1 1357.7 SG2 240.9 THA 10.33 EL1 919.4 EL2 17.4 ALF 2.80

LAUNCH DATE JUN 3 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 354.019

RL 151.74 LAL -.00 LOL 251.75 VL 26.861 GAL .05 AZL 93.95 MCA 154.31 SMA 129.13 ECC .17509 INC 3.9528 V1 29.361
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.772 GAP -3.78 AZP 86.44 TAL 179.77 TAP 334.09 RCA 106.52 APO 151.74 V2 35.042
 RC 72.534 GL -35.73 GP 6.82 ZAL 94.18 ZAP 49.90 ETS 353.61 ZAE 155.92 ETE 30.81 ZAC 87.25 ETC 13.40 CLP -49.56

PLANETOCENTRIC CONIC

C3 10.055 VHL 3.171 DLA -24.05 RAL 144.67 RAD 6567.4 VEL 11.465 PTH 1.99 VHP 3.501 DPA 10.67 RAP 180.98 ECC 1.1655
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 5 1193.43 11.39 342.52 358.62 116.10 8 19 58 593.4 14.81 335.51
 90.00 12 32 7 5576.79 28.25 260.48 3.09 92.05 14 5 4 4976.8 28.23 251.82
 100.00 9 1 31 995.09 9.93 327.18 357.85 118.34 9 18 6 395.1 13.64 320.36
 100.00 14 13 22 5250.36 29.89 236.50 3.12 89.68 15 40 52 4650.4 29.53 227.71
 110.00 9 30 30 904.22 6.64 318.30 355.86 123.61 9 45 34 304.2 11.02 311.94
 110.00 16 0 53 4914.00 33.72 210.70 2.87 84.00 17 22 47 4314.0 32.52 201.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4345 TRA -.3551 TC3 .8953 BAU .1436 SGT 1196.8 SGR 393.2 SG3 942.8 ST 813.1 SR 110.1 SS 2268.0
 RDE .0590 RRA -.0419 RC3 .5823 FAU .14356 RRT .7472 RRF -.8852 RTF -.8588 CRT .9963 CRS .9818 CST .9776
 FDE -4.1426 FRA .6386 FC-12.3607 BSP 3732 SGB 1259.8 R23 -.3206 R13 -.8769 LSA 2406.4 MSA 162.2 SSA 8.5
 BDE .4385 BRA .3575 BC3 1.0680 FSP -2832 SG1 1234.0 SG2 253.4 THA 14.41 EL1 820.4 EL2 9.4 ALF 7.68

LAUNCH DATE JUN 3 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 360.509

RL 151.74 LAL -.00 LOL 251.75 VL 26.887 GAL .01 AZL 94.05 HCA 157.52 SMA 129.31 ECC .17346 INC 4.0453 V1 29.361
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.803 GAP -3.28 AZP 86.26 TAL 179.93 TAP 337.45 RCA 106.88 APO 151.74 V2 35.056
 RC 74.652 GL -36.62 GP 8.13 ZAL 94.45 ZAP 54.70 ETS 353.68 ZAE 157.73 ETE 36.97 ZAC 88.39 ETC 13.62 CLP -54.29

PLANETOCENTRIC CONIC

C3 10.112 VHL 3.180 DLA -24.73 RAL 143.96 RAD 6567.4 VEL 11.467 PTH 1.99 VHP 3.338 DPA 12.48 RAP 180.13 ECC 1.1664
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 35 1155.17 12.52 340.28 358.36 115.60 8 27 51 555.2 15.87 333.20
 90.00 12 17 55 5617.33 28.11 263.44 2.66 93.53 13 51 32 5017.3 28.31 254.78
 100.00 9 8 2 963.29 10.95 325.37 357.54 117.99 9 24 5 363.3 14.61 318.49
 100.00 14 1 10 5284.45 29.88 239.03 2.74 91.02 15 29 14 4684.4 29.70 230.23
 110.00 9 34 11 881.24 7.51 317.09 355.47 123.45 9 48 52 281.2 11.86 310.69
 110.00 15 51 30 4939.26 33.88 212.66 2.58 85.14 17 13 49 4339.3 32.83 203.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3516 TRA -.3090 TC3 .6862 BAU .1290 SGT 983.7 SGR 465.2 SG3 1013.7 ST 659.8 SR 184.1 SS 2328.5
 RDE .1012 RRA -.0366 RC3 .6632 FAU .15550 RRT .7520 RRF -.9365 RTF -.8138 CRT .9855 CRS .9959 CST .9696
 FDE -4.4765 FRA .4830 FC-13.3125 BSP 4057 SGB 1088.1 R23 -.4034 R13 -.8614 LSA 2422.1 MSA 156.0 SSA 7.5
 BDE .3659 BRA .3112 BC3 .9543 FSP -3507 SG1 1049.5 SG2 287.5 THA 21.25 EL1 684.3 EL2 30.1 ALF 15.41

LAUNCH DATE JUN 3 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE .000

RL 151.74 LAL -.00 LOL 251.75 VL 26.909 GAL .00 AZL 94.17 HCA 160.73 SMA 129.46 ECC .17212 INC 4.1670 V1 29.361
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.830 GAP -2.80 AZP 86.07 TAL 180.00 TAP 340.73 RCA 107.18 APO 151.74 V2 35.069
 RC 76.795 GL -37.64 GP 9.84 ZAL 94.55 ZAP 59.77 ETS 353.78 ZAE 159.16 ETE 45.58 ZAC 89.66 ETC 13.97 CLP -59.27

PLANETOCENTRIC CONIC

C3 10.252 VHL 3.202 DLA -25.61 RAL 143.35 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 3.204 DPA 14.76 RAP 179.22 ECC 1.1687
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 22 18 1102.61 14.05 337.18 358.47 114.84 8 40 41 502.6 17.28 329.99
 90.00 11 59 20 5675.40 27.80 267.66 2.46 95.62 13 33 55 5075.4 28.29 259.03
 100.00 9 18 26 921.37 12.28 322.97 357.57 117.47 9 33 47 321.4 15.86 316.01
 100.00 13 45 53 5331.87 29.77 242.55 2.63 92.87 15 14 45 4731.9 29.85 233.75
 110.00 9 40 25 852.41 8.59 315.55 355.38 123.21 9 54 37 252.4 12.90 309.11
 110.00 15 40 24 4973.60 34.04 215.32 2.61 86.71 17 3 17 4373.6 33.21 206.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2818 TRA -.3938 TC3 .5115 BAU .1289 SGT 986.0 SGR 600.2 SG3 1141.4 ST 556.1 SR 295.6 SS 2499.1
 RDE .1634 RRA -.0699 RC3 .7893 FAU .17286 RRT .7121 RRF -.9713 RTF -.7332 CRT .9567 CRS .9981 CST .9386
 FDE -5.0258 FRA 1.2600 FC-14.5970 BSP 1992 SGB 1154.3 R23 -.5011 R13 -.8342 LSA 2570.4 MSA 188.2 SSA 6.5
 BDE .3257 BRA .4000 BC3 .9406 FSP -2790 SG1 1089.5 SG2 381.4 THA 27.01 EL1 625.2 EL2 76.6 ALF 27.40

LAUNCH DATE JUN 3 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 373.448

RL 151.74 LAL -.00 LOL 251.75 VL 26.926 GAL -.01 AZL 94.34 HCA 163.95 SMA 129.58 ECC .17106 INC 4.3354 V1 29.361
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.855 GAP -2.32 AZP 85.83 TAL 180.05 TAP 344.00 RCA 107.41 APO 151.74 V2 35.082
 RC 78.958 GL -38.88 GP 12.18 ZAL 94.58 ZAP 65.18 ETS 353.98 ZAE 159.74 ETE 57.19 ZAC 91.06 ETC 14.51 CLP -64.57

PLANETOCENTRIC CONIC

C3 10.518 VHL 3.243 DLA -26.69 RAL 142.67 RAD 6567.4 VEL 11.485 PTH 2.00 VHP 3.100 DPA 17.74 RAP 178.30 ECC 1.1731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 2 1025.50 16.20 332.54 358.96 113.54 9 1 8 425.5 19.25 325.19
 90.00 11 32 14 5762.82 27.06 273.95 2.32 98.69 13 8 17 5162.8 27.98 265.40
 100.00 9 33 47 864.83 14.03 319.69 357.90 116.67 9 48 12 264.8 17.50 312.61
 100.00 13 25 10 5398.73 29.44 247.49 2.66 95.45 14 55 9 4798.7 29.88 238.72
 110.00 9 49 12 816.44 9.92 313.62 355.50 122.88 10 2 48 216.4 14.19 307.11
 110.00 15 26 15 5019.88 34.17 218.93 2.87 88.85 16 49 55 4419.9 33.63 209.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2400 TRA -.2973 TC3 .2872 BAU .1415 SGT 748.4 SGR 788.5 SG3 1270.9 ST 459.3 SR 474.1 SS 2830.8
 RDE .2678 RRA -.0410 RC3 .9645 FAU .19081 RRT .6182 RRF -.9875 RTF -.6351 CRT .9415 CRS .9997 CST .9342
 FDE -5.9764 FRA .5302 FC-15.7056 BSP 3419 SGB 1087.2 R23 -.3732 R13 -.9148 LSA 2902.2 MSA 162.1 SSA 5.4
 BDE .3596 BRA .3001 BC3 1.0063 FSP -4213 SG1 978.3 SG2 474.2 THA 47.41 EL1 650.4 EL2 112.8 ALF 45.96

LAUNCH DATE JUN 3 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 379.887

RL 151.74 LAL -.00 LOL 251.75 VL 26.939 GAL -.01 AZL 94.59 HCA 167.16 SMA 129.67 ECC .17024 INC 4.5855 V1 29.361
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.876 GAP -1.85 AZP 85.53 TAL 180.03 TAP 347.19 RCA 107.59 APO 151.74 V2 35.094
 RC 81.139 GL -40.52 GP 15.55 ZAL 94.43 ZAP 70.81 ETS 354.29 ZAE 158.59 ETE 70.64 ZAC 92.31 ETC 15.30 CLP -70.05

PLANETOCENTRIC CONIC

C3 10.992 VHL 3.315 DLA -28.20 RAL 141.96 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 3.040 DPA 21.72 RAP 177.68 ECC 1.1809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 0 831.41 21.06 320.37 .76 109.38 9 56 51 231.4 23.51 312.56
 90.00 10 27 34 686.84 24.01 310.81 1.76 105.47 10 39 1 86.8 25.91 302.65
 100.00 10 2 24 768.59 16.89 313.97 358.96 115.04 10 15 13 168.6 20.12 306.67
 100.00 12 50 50 5512.93 28.41 255.82 2.86 99.71 14 22 43 4912.9 29.46 247.18
 110.00 10 3 52 763.99 11.85 310.78 356.12 122.30 10 16 36 164.0 16.03 304.16
 110.00 15 5 52 5090.30 34.13 224.43 3.55 92.10 16 30 42 4490.3 34.04 215.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1299 TRA -.2780 TC3 -.0030 BAU .1744 SGT 589.6 SGR 1052.7 SG3 1348.1 ST 277.8 SR 696.9 SS 3001.6
 RDE .4028 RRA -.0329 RC3 1.1869 FAU .20317 RRT .3060 RRF -.9950 RTF -.3153 CRT .8239 CRS .9999 CST .8180
 FDE -6.6082 FRA .3344 FC-16.0023 BSP 3988 SGB 1206.5 R23 -.1080 R13 -.9892 LSA 3089.8 MSA 159.4 SSA 4.4
 BDE .4233 BRA .2799 BC3 1.1869 FSP -4739 SG1 1073.7 SG2 550.3 THA 76.73 EL1 735.2 EL2 149.2 ALF 71.01

LAUNCH DATE JUN 3 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 386.303

RL 151.74 LAL -0.00 LOL 251.75 VL 26.949 GAL .01 AZL 95.00 HCA 170.38 SMA 129.73 ECC .16966 INC 5.0002 V1 29.361
 RP 107.94 LAP -.83 LOP 62.17 VP 37.894 GAP -1.40 AZP 85.07 TAL 179.94 TAP 350.32 RCA 107.72 APO 151.74 V2 35.107
 RC 83.336 GL -42.91 GP 20.83 ZAL 94.11 ZAP 76.64 ETS 354.81 ZAE 154.54 ETE 83.33 ZAC 93.06 ETC 16.47 CLP -75.69

PLANETOCENTRIC CONIC

C3 11.900 VHL 3.450 DLA -30.45 RAL 140.98 RAD 6567.5 VEL 11.545 PTH 2.02 VHP 3.049 DPA 27.48 RAP 177.89 ECC 1.1958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.31 8 27 15 1078.67 23.88 339.65 2.08 109.47 8 45 14 478.7 26.32 331.65
 101.69 11 35 29 5760.61 23.90 272.91 2.09 109.46 13 11 29 5160.6 26.33 264.91
 78.31 8 27 15 1078.67 23.88 339.65 2.08 109.47 8 45 14 478.7 26.32 331.65
 101.69 11 35 29 5760.61 23.90 272.91 2.09 109.46 13 11 29 5160.6 26.33 264.91
 110.00 10 31 4 675.29 15.02 305.87 357.65 121.07 10 42 20 75.3 19.03 299.04
 110.00 14 30 50 5211.98 33.42 233.86 4.70 97.63 15 57 42 4612.0 34.12 224.68

DIFFERENTIAL CORRECTIONS

TDE -.0662 TRA -.2850 TC3 -.4513 BAU .2129
 RDE .5603 RRA -.0313 RC3 1.2596 FAU .17490
 FDE -6.4478 FRA .2546 FC-12.7242 BSP 4012
 BDE .5642 BRA .2867 BC3 1.3380 FSP -3742

MID-COURSE EXECUTION ACCURACY

SGT 640.8 SGR 1274.7 SG3 1197.2
 RRT -.4160 RRF -.9979 RTF .4101
 SGB 1426.7 R23 .1175 R13 -.9909
 SG1 1309.0 SG2 567.4 THA 104.62

ORBIT DETERMINATION ACCURACY

ST 198.3 SR 931.2 SS 2822.0
 CRT -.5393 CRS 1.0000 CST -.5440
 LSA 2973.7 MSA 166.4 SSA 3.2
 EL1 937.5 EL2 165.8 ALF 96.76

LAUNCH DATE JUN 3 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 392.706

RL 151.74 LAL -0.00 LOL 251.75 VL 26.955 GAL .05 AZL 95.83 HCA 173.60 SMA 129.77 ECC .16929 INC 5.8268 V1 29.361
 RP 107.91 LAP -.65 LOP 65.39 VP 37.910 GAP -.96 AZP 84.21 TAL 179.78 TAP 353.38 RCA 107.80 APO 151.74 V2 35.119
 RC 85.546 GL -46.96 GP 30.31 ZAL 93.56 ZAP 82.57 ETS 355.80 ZAE 145.46 ETE 92.46 ZAC 92.39 ETC 18.19 CLP -81.39

PLANETOCENTRIC CONIC

C3 14.021 VHL 3.744 DLA -34.22 RAL 139.21 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 3.223 DPA 36.93 RAP 180.64 ECC 1.2307
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.93 7 24 14 1288.43 25.77 356.46 3.98 113.34 7 45 43 688.4 28.70 348.50
 110.07 12 24 25 5621.40 25.78 263.11 3.98 113.32 13 58 7 5021.4 28.71 255.15
 69.93 7 24 14 1288.43 25.77 356.46 3.98 113.34 7 45 43 688.4 28.70 348.50
 110.07 12 24 25 5621.40 25.78 263.11 3.98 113.32 13 58 7 5021.4 28.71 255.15
 69.93 7 24 14 1288.43 25.77 356.46 3.98 113.34 7 45 43 688.4 28.70 348.50
 110.07 12 24 25 5621.40 25.78 263.11 3.98 113.32 13 58 7 5021.4 28.71 255.15

DIFFERENTIAL CORRECTIONS

TDE -.2256 TRA -.3136 TC3 -.6370 BAU .3004
 RDE 1.0110 RRA -.0371 RC3 1.4705 FAU .15445
 FDE -7.0501 FRA .2144 FC3-9.5372 BSP 6033
 BDE 1.0358 BRA .3158 BC3 1.6026 FSP -3422

MID-COURSE EXECUTION ACCURACY

SGT 826.7 SGR 1900.1 SG3 1118.4
 RRT -.6490 RRF -.9994 RTF .6449
 SGB 2072.2 R23 .0998 R13 -.9944
 SG1 1982.6 SG2 602.8 THA 107.43

ORBIT DETERMINATION ACCURACY

ST 386.9 SR 1547.4 SS 3004.6
 CRT -.8868 CRS 1.0000 CST -.8878
 LSA 3397.2 MSA 177.3 SSA 2.2
 EL1 1585.5 EL2 174.5 ALF 102.66

LAUNCH DATE JUN 3 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 399.076

RL 151.74 LAL -0.00 LOL 251.75 VL 26.957 GAL .09 AZL 98.32 HCA 176.82 SMA 129.79 ECC .16913 INC 8.3186 V1 29.361
 RP 107.87 LAP -.46 LOP 68.60 VP 37.923 GAP -.52 AZP 81.69 TAL 179.57 TAP 356.39 RCA 107.84 APO 151.74 V2 35.131
 RC 87.767 GL -55.36 GP 50.93 ZAL 92.57 ZAP 88.16 ETS 358.23 ZAE 124.91 ETE 97.21 ZAC 87.47 ETC 20.12 CLP -87.08

PLANETOCENTRIC CONIC

C3 22.477 VHL 4.741 DLA -41.86 RAL 134.73 RAD 6567.9 VEL 11.994 PTH 2.14 VHP 4.209 DPA 55.11 RAP 195.19 ECC 1.3699
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.79 6 4 52 1577.10 27.16 20.95 9.77 123.16 6 31 9 977.1 31.32 13.53
 122.21 13 8 2 5551.84 27.18 258.27 9.78 123.15 14 40 34 4951.8 31.33 250.85
 57.79 6 4 52 1577.10 27.16 20.95 9.77 123.16 6 31 9 977.1 31.32 13.53
 122.21 13 8 2 5551.84 27.18 258.27 9.78 123.15 14 40 34 4951.8 31.33 250.85
 57.79 6 4 52 1577.10 27.16 20.95 9.77 123.16 6 31 9 977.1 31.32 13.53
 122.21 13 8 2 5551.84 27.18 258.27 9.78 123.15 14 40 34 4951.8 31.33 250.85

DIFFERENTIAL CORRECTIONS

TDE -.5113 TRA -.4096 TC3 -.5246 BAU .4340
 RDE 2.2818 RRA .1337 RC3 1.3457 FAU .09035
 FDE -6.1543 FRA -.3686 FC3-3.4801 BSP 9919
 BDE 2.3384 BRA .4309 BC3 1.4443 FSP -2199

MID-COURSE EXECUTION ACCURACY

SGT 1034.9 SGR 3046.2 SG3 704.9
 RRT -.7876 RRF -.9999 RTF .7858
 SGB 3217.2 R23 .0570 R13 -.9983
 SG1 3157.8 SG2 615.1 THA 105.59

ORBIT DETERMINATION ACCURACY

ST 649.5 SR 2758.6 SS 2705.9
 CRT -.9586 CRS 1.0000 CST -.9588
 LSA 3914.1 MSA 182.3 SSA 1.2
 EL1 2828.3 EL2 180.3 ALF 102.77

LAUNCH DATE JUN 3 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 405.706

RL 151.74 LAL -0.00 LOL 251.75 VL 26.957 GAL .10 AZL 14.90 HCA 180.28 SMA 129.79 ECC .16916 INC 74.9993 V1 29.361
 RP 107.83 LAP -.27 LOP 71.82 VP 37.933 GAP -.03 AZP 165.10 TAL 179.53 TAP 359.81 RCA 107.83 APO 151.74 V2 35.143
 RC 89.996 GL 49.33 GP -53.50 ZAL 90.35 ZAP 90.23 ETS 179.86 ZAE 57.48 ETE 81.73 ZAC 93.78 ETC 160.60 CLP 90.39

PLANETOCENTRIC CONIC

C31179.661 VHL 34.346 DLA 51.20 RAL 190.04 RAD 6573.1 VEL 36.069 PTH 3.53 VHP 46.243 DPA -56.74 RAP 18.82 ECC 20.4142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.38 20 58 34 4983.06 .69 233.52 100.61 38.80 22 21 37 4383.1 -5.54 228.91
 134.62 5 35 36 3440.76 .70 111.32 100.59 38.80 6 32 57 2840.8 -5.53 106.71
 45.38 20 58 34 4983.06 .69 233.52 100.61 38.80 22 21 37 4383.1 -5.54 228.91
 134.62 5 35 36 3440.76 .70 111.32 100.59 38.80 6 32 57 2840.8 -5.53 106.71
 45.38 20 58 34 4983.06 .69 233.52 100.61 38.80 22 21 37 4383.1 -5.54 228.91
 134.62 5 35 36 3440.76 .70 111.32 100.59 38.80 6 32 57 2840.8 -5.53 106.71

DIFFERENTIAL CORRECTIONS

TDE -6.1302 TRA -3.1213 TC3 -.1356 BAU 5.1284
 RDE -8.0798 RRA -11.4878 RC3 -.2956 FAU -.08824
 FDE 1.7445 FRA 2.5321 FC3 .0648 BSP 34448
 BDE 10.1421 BRA 11.9043 BC3 .3252 FSP 591

MID-COURSE EXECUTION ACCURACY

SGT 1613.6 SGR 3910.6 SG3 74.2
 RRT .9209 RRF -1.0000 RTF -.9183
 SGB 4230.4 R23 -.0609 R13 -.9981
 SG1 4189.4 SG2 587.2 THA 68.76

ORBIT DETERMINATION ACCURACY

ST 1053.0 SR 1631.6 SS 1416.9
 CRT .9364 CRS 1.0000 CST .9330
 LSA 2379.8 MSA 339.4 SSA .4
 EL1 1916.2 EL2 314.6 ALF 57.89

LAUNCH DATE JUN 3 1967

FLIGHT TIME 150.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 411.806

RL 151.74 LAL -.00 LOL 251.75 VL 26.954 GAL .21 AZL 88.62 HCA 183.30 SMA 129.77 ECC .16938 INC 1.3881 V1 29.361
 RP 107.80 LAP -.08 LOP 75.05 VP 37.941 GAP .33 AZP 91.38 TAL 178.99 TAP 2.29 RCA 107.79 APO 151.75 V2 35.154
 RC 92.232 GL 15.03 GP -49.58 ZAL 93.60 ZAP 95.77 ETS 354.06 ZAE 132.28 ETE 251.12 ZAC 113.23 ETC 355.62 CLP -98.92

PLANETOCENTRIC CONIC

C3 6.277 VHL 2.505 DLA 22.44 RAL 165.70 RAD 6567.2 VEL 11.299 PTH 1.94 VHP 4.146 DPA -33.65 RAP 139.78 ECC 1.1033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 25 2763.09 -28.04 79.13 16.90 94.15 3 7 28 2163.1 -27.17 70.58
 90.00 20 58 32 3833.42 -11.51 151.24 13.51 63.95 22 2 25 3233.4 -14.92 144.22
 100.00 3 59 10 2447.95 -29.25 55.82 16.77 96.44 4 39 58 1847.9 -28.05 47.22
 100.00 22 3 29 3623.79 -10.42 135.26 12.95 61.82 23 3 52 3023.8 -14.11 128.41
 110.00 5 41 12 2128.73 -32.19 31.02 16.21 102.17 6 16 40 1528.7 -30.18 22.38
 110.00 22 37 56 3515.77 -7.86 125.54 11.40 56.63 23 36 32 2915.8 -12.20 119.12

DIFFERENTIAL CORRECTIONS

TOE .1903 TRA .1407 TC3-3.5071 BAU .5267
 RDE .1103 RRA .5668 RC3-5.2043 FAU .10644
 FDE .2744 FRA 1.5755 FC-14.6804 BSP 10823
 BDE .2199 BRA .5840 BC3 6.2757 FSP -2305

MID-COURSE EXECUTION ACCURACY

SGT 1843.6 SGR 2971.7 SG3 721.3
 RRT .9456 RRF .9999 RTF .9458
 SGB 3497.1 R23 .0890 R13 .9960
 SG1 3459.0 SG2 515.1 THA 58.83

ORBIT DETERMINATION ACCURACY

ST 450.6 SR 496.8 SS 481.9
 CRT .7052 CRS -.9989 CST -.6711
 LSA 772.1 MSA 293.1 SSA 2.4
 EL1 619.9 EL2 256.0 ALF 48.95

LAUNCH DATE JUN 3 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 418.121

RL 151.74 LAL -.00 LOL 251.75 VL 26.948 GAL .29 AZL 90.98 HCA 186.52 SMA 129.73 ECC .16977 INC .9813 V1 29.361
 RP 107.77 LAP .11 LOP 78.27 VP 37.947 GAP .74 AZP 89.02 TAL 178.60 TAP 5.12 RCA 107.70 APO 151.75 V2 35.165
 RC 94.474 GL -10.84 GP -29.46 ZAL 92.78 ZAP 102.10 ETS 353.83 ZAE 148.63 ETE 234.07 ZAC 115.10 ETC 3.49 CLP-103.94

PLANETOCENTRIC CONIC

C3 6.069 VHL 2.463 DLA -1.83 RAL 156.48 RAD 6567.2 VEL 11.290 PTH 1.94 VHP 3.250 DPA -14.57 RAP 147.00 ECC 1.0999
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 17 46 1913.85 -11.32 23.27 1.69 116.13 5 49 39 1313.8 -7.72 16.44
 90.00 16 48 40 4671.32 14.63 198.91 2.05 65.48 18 6 31 4071.3 11.20 191.91
 100.00 6 38 16 1654.20 -11.99 3.83 1.34 117.59 7 5 50 1054.2 -8.20 357.09
 100.00 18 10 51 4406.20 15.31 179.08 1.72 64.01 19 24 17 3806.2 11.69 172.16
 110.00 7 44 32 1446.69 -13.76 347.05 .31 121.60 8 8 39 846.7 -9.48 340.56
 110.00 19 21 3 4186.47 17.10 161.41 .72 59.94 20 30 50 3586.5 12.98 154.72

DIFFERENTIAL CORRECTIONS

TOE -.2196 TRA .0508 TC3-4.2619 BAU .4452
 RDE -.2476 RRA .2677 RC3-3.4555 FAU .16730
 FDE -1.8418 FRA 1.8010 FC-23.8656 BSP 8614
 BDE .3309 BRA .2725 BC3 5.4868 FSP -3597

MID-COURSE EXECUTION ACCURACY

SGT 2164.3 SGR 1902.2 SG3 1140.3
 RRT .9577 RRF .9997 RTF .9584
 SGB 2881.4 R23 .1612 R13 .9866
 SG1 2851.3 SG2 415.4 THA 41.15

ORBIT DETERMINATION ACCURACY

ST 515.9 SR 607.5 SS 1257.3
 CRT .9698 CRS -.9996 CST -.9760
 LSA 1484.7 MSA 109.0 SSA 5.9
 EL1 791.1 EL2 96.5 ALF 49.81

LAUNCH DATE JUN 3 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 424.422

RL 151.74 LAL -.00 LOL 251.75 VL 26.940 GAL .38 AZL 91.79 HCA 189.75 SMA 129.67 ECC .17033 INC 1.7871 V1 29.361
 RP 107.73 LAP .30 LOP 81.50 VP 37.951 GAP 1.15 AZP 88.24 TAL 178.16 TAP 7.91 RCA 107.58 APO 151.76 V2 35.175
 RC 96.719 GL -19.04 GP -20.22 ZAL 91.70 ZAP 107.68 ETS 354.10 ZAE 152.67 ETE 217.01 ZAC 115.92 ETC 7.28 CLP-108.89

PLANETOCENTRIC CONIC

C3 6.638 VHL 2.576 DLA -9.81 RAL 154.32 RAD 6567.2 VEL 11.315 PTH 1.95 VHP 3.101 DPA -5.37 RAP 148.80 ECC 1.1092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 15 1676.46 -3.92 9.76 .34 118.07 6 38 12 1076.5 -.13 3.12
 90.00 15 38 54 4939.14 21.44 215.60 2.37 71.04 17 1 13 4339.1 18.65 208.03
 100.00 7 26 46 1429.64 -4.64 351.21 359.95 119.56 7 50 35 829.6 -.67 344.67
 100.00 17 5 5 4661.19 22.21 194.86 2.07 69.47 18 22 46 4061.2 19.22 187.34
 110.00 8 24 1 1250.38 -6.53 336.44 358.78 123.63 8 44 51 650.4 -2.07 330.20
 110.00 18 24 20 4413.22 24.26 175.10 1.14 65.15 19 37 53 3813.2 20.71 167.76

DIFFERENTIAL CORRECTIONS

TOE -.4399 TRA .0414 TC3-4.4804 BAU .4433
 RDE -.2476 RRA .1744 RC3-2.2086 FAU .18165
 FDE -2.9842 FRA 1.7915 FC-23.6912 BSP 8462
 BDE .5048 BRA .1793 BC3 4.9952 FSP -3967

MID-COURSE EXECUTION ACCURACY

SGT 2509.1 SGR 1324.2 SG3 1250.3
 RRT .9640 RRF .9988 RTF .9654
 SGB 2837.1 R23 .2006 R13 .9785
 SG1 2819.8 SG2 313.3 THA 27.33

ORBIT DETERMINATION ACCURACY

ST 981.1 SR 564.3 SS 1810.4
 CRT .9834 CRS -.9995 CST -.9884
 LSA 2130.7 MSA 136.0 SSA 5.1
 EL1 1128.3 EL2 89.0 ALF 29.70

LAUNCH DATE JUN 3 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 430.705

RL 151.74 LAL -.00 LOL 251.75 VL 26.929 GAL .48 AZL 92.19 HCA 192.98 SMA 129.60 ECC .17105 INC 2.1938 V1 29.361
 RP 107.70 LAP .49 LOP 84.72 VP 37.953 GAP 1.55 AZP 87.86 TAL 177.67 TAP 10.65 RCA 107.43 APO 151.77 V2 35.185
 RC 98.967 GL -22.81 GP -15.09 ZAL 90.60 ZAP 112.72 ETS 354.43 ZAE 152.30 ETE 204.77 ZAC 116.63 ETC 9.51 CLP-113.58

PLANETOCENTRIC CONIC

C3 7.075 VHL 2.660 DLA -13.70 RAL 153.86 RAD 6567.2 VEL 11.334 PTH 1.95 VHP 3.103 DPA -.07 RAP 149.22 ECC 1.1164
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 4 1556.78 -.06 3.07 .88 118.32 7 7 1 956.8 3.72 356.44
 90.00 15 4 25 5081.08 24.27 225.04 3.76 74.95 16 29 6 4481.1 21.97 217.12
 100.00 7 55 12 1317.60 -.86 345.05 .44 119.88 8 17 10 717.6 3.13 338.52
 100.00 16 32 58 4795.49 25.14 203.76 3.48 73.27 17 52 54 4195.5 22.61 195.88
 110.00 8 47 15 1154.57 -2.90 331.41 359.17 124.08 9 6 30 554.6 1.60 325.20
 110.00 17 57 25 4531.30 27.42 182.82 2.61 68.74 19 12 56 3931.3 24.28 175.06

DIFFERENTIAL CORRECTIONS

TOE -.6097 TRA .0568 TC3-4.7208 BAU .4705
 RDE -.2066 RRA .1327 RC3-1.5695 FAU .18057
 FDE -3.5289 FRA 1.7543 FC-22.0970 BSP 9010
 BDE .6438 BRA .1444 BC3 4.9749 FSP -3994

MID-COURSE EXECUTION ACCURACY

SGT 2836.8 SGR 990.9 SG3 1255.3
 RRT .9671 RRF .9963 RTF .9703
 SGB 3004.9 R23 .2010 R13 .9762
 SG1 2995.4 SG2 238.8 THA 18.79

ORBIT DETERMINATION ACCURACY

ST 1316.1 SR 454.5 SS 2064.0
 CRT .9861 CRS -.9990 CST -.9923
 LSA 2485.7 MSA 141.7 SSA 5.8
 EL1 1390.5 EL2 71.4 ALF 18.86

LAUNCH DATE JUN 3 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC
 RL 151.74 LAL -.00 LOL 251.75 VL 26.917 GAL .60 AZL 92.44 HCA 196.22 SMA 129.51 ECC .17192 INC 2.4408 V1 29.361
 RP 107.67 LAP .68 LOP 87.95 VP 37.953 GAP 1.95 AZP 87.66 TAL 177.12 TAP 13.34 RCA 107.25 APO 151.78 V2 35.195
 RC 101.218 GL -24.90 GP -11.87 ZAL 89.44 ZAP 117.34 ETS 354.73 ZAE 150.44 ETE 197.03 ZAC 117.23 ETC 11.01 CLP-117.99

PLANETOCENTRIC CONIC
 C3 7.412 VHL 2.723 DLA -16.08 RAL 154.11 RAD 6567.2 VEL 11.349 PTH 1.96 VHP 3.160 DPA 3.35 RAP 149.22 ECC 1.1220
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 3 48 1480.37 2.40 358.81 2.00 118.22 7 28 28 880.4 6.16 352.14
 90.00 14 43 45 5174.13 25.76 231.44 5.37 77.83 16 9 59 4574.1 23.83 223.31
 100.00 8 16 10 1246.83 1.55 341.17 1.52 119.86 8 36 57 646.8 5.51 334.62
 100.00 16 14 3 4882.91 26.72 209.78 5.12 76.07 17 35 26 4282.9 24.54 201.65
 110.00 9 4 33 1095.30 -.63 328.31 .16 124.18 9 22 48 495.3 3.86 322.10
 110.00 17 42 11 4607.20 29.18 188.02 4.31 71.35 18 58 58 4007.2 26.36 179.98

DIFFERENTIAL CORRECTIONS
 TDE -.7563 TRA .0850 TC3-4.9725 BAU .5070 SGT 3146.2 SGR 779.8 SG3 1217.5 ST 1594.6 SR 353.4 SS 2178.4
 RDE -.1640 RRA .1114 RC3-1.2034 FAU .17364 RRT .9656 RRF .9906 RTF .9736 CRT .9849 CRS -.9977 CST -.9941
 FDE-3.7491 FRA 1.7305 FC-20.2806 BSP 9791 SGB 3241.4 R23 .1798 R13 .9763 LSA 2718.9 MSA 143.8 SSA 6.8
 BDE .7739 BRA .1402 BC3 5.1160 FSP -3879 SG1 3235.4 SG2 197.3 THA 13.51 EL1 1632.2 EL2 59.7 ALF 12.33

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 3 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 151.74 LAL -.00 LOL 251.75 VL 26.902 GAL .73 AZL 92.61 HCA 199.45 SMA 129.42 ECC .17295 INC 2.6071 V1 29.361
 RP 107.65 LAP .87 LOP 91.19 VP 37.951 GAP 2.34 AZP 87.54 TAL 176.53 TAP 15.98 RCA 107.03 APO 151.80 V2 35.204
 RC 103.470 GL -26.18 GP -9.66 ZAL 88.20 ZAP 121.58 ETS 355.01 ZAE 148.16 ETE 192.19 ZAC 117.66 ETC 12.10 CLP-122.09

PLANETOCENTRIC CONIC
 C3 7.695 VHL 2.774 DLA -17.75 RAL 154.78 RAD 6567.3 VEL 11.362 PTH 1.96 VHP 3.247 DPA 5.71 RAP 149.14 ECC 1.1266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 47 1424.57 4.19 355.69 3.40 118.03 7 46 31 824.6 7.91 348.98
 90.00 14 30 3 5243.46 26.67 236.32 7.10 80.11 15 57 27 4643.5 25.03 228.03
 100.00 8 33 43 1195.67 3.28 338.35 2.90 119.73 8 53 39 595.7 7.21 331.78
 100.00 16 1 48 4947.59 27.70 214.33 6.88 78.28 17 24 16 4347.6 25.80 206.05
 110.00 9 19 9 1053.32 .97 326.12 1.46 124.17 9 36 43 453.3 5.45 319.90
 110.00 17 32 51 4662.71 30.33 191.94 6.12 73.41 18 50 34 4062.7 27.76 183.69

DIFFERENTIAL CORRECTIONS
 TDE -.8888 TRA .1251 TC3-5.2031 BAU .5445 SGT 3431.6 SGR 638.5 SG3 1161.0 ST 1839.7 SR 270.9 SS 2228.3
 RDE -.1270 RRA .1004 RC3 -.9730 FAU .16398 RRT .9580 RRF .9795 RTF .9756 CRT .9801 CRS -.9946 CST -.9952
 FDE-3.8036 FRA 1.7296 FC-18.4501 BSP 10619 SGB 3490.5 R23 .1475 R13 .9770 LSA 2898.7 MSA 144.2 SSA 7.9
 BDE .8978 BRA .1604 BC3 5.2933 FSP -3711 SG1 3485.9 SG2 180.2 THA 10.13 EL1 1858.8 EL2 53.2 ALF 8.22

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 3 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC
 RL 151.74 LAL -.00 LOL 251.75 VL 26.886 GAL .87 AZL 92.73 HCA 202.69 SMA 129.31 ECC .17414 INC 2.7277 V1 29.361
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.947 GAP 2.73 AZP 87.48 TAL 175.88 TAP 18.58 RCA 106.79 APO 151.82 V2 35.212
 RC 105.723 GL -26.99 GP -8.06 ZAL 86.89 ZAP 125.49 ETS 355.25 ZAE 145.85 ETE 189.09 ZAC 117.89 ETC 12.92 CLP-125.89

PLANETOCENTRIC CONIC
 C3 7.948 VHL 2.819 DLA -19.03 RAL 155.71 RAD 6567.3 VEL 11.373 PTH 1.96 VHP 3.353 DPA 7.41 RAP 149.13 ECC 1.1308
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 53 1380.18 5.61 353.19 5.01 117.80 8 2 53 780.2 9.29 346.44
 90.00 14 20 25 5299.74 27.26 240.33 8.93 82.04 15 48 45 4699.7 25.88 231.94
 100.00 8 49 32 1155.41 4.63 336.14 4.48 119.56 9 8 48 555.4 8.54 329.52
 100.00 15 53 27 4999.75 28.36 218.07 8.74 80.13 17 16 47 4399.8 26.71 209.66
 110.00 9 32 27 1020.92 2.21 324.43 2.97 124.12 9 49 28 420.9 6.67 318.19
 110.00 17 27 1 4707.00 31.14 195.13 8.04 75.14 18 45 28 4107.0 28.79 186.72

DIFFERENTIAL CORRECTIONS
 TDE-1.0152 TRA .1691 TC3-5.4231 BAU .5829 SGT 3706.6 SGR 542.2 SG3 1100.3 ST 2068.0 SR 205.2 SS 2250.8
 RDE -.0963 RRA .0934 RC3 -.8229 FAU .15411 RRT .9433 RRF .9609 RTF .9774 CRT .9697 CRS -.9874 CST -.9959
 FDE-3.7813 FRA 1.7115 FC-16.7860 BSP 11480 SGB 3746.0 R23 .1110 R13 .9781 LSA 3060.1 MSA 142.7 SSA 8.9
 BDE 1.0197 BRA .1932 BC3 5.4852 FSP -3531 SG1 3741.8 SG2 178.3 THA 7.87 EL1 2077.6 EL2 49.9 ALF 5.50

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 3 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC
 RL 151.74 LAL -.00 LOL 251.75 VL 26.868 GAL 1.02 AZL 92.82 HCA 205.93 SMA 129.19 ECC .17547 INC 2.8195 V1 29.361
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.942 GAP 3.11 AZP 87.46 TAL 175.20 TAP 21.13 RCA 106.52 APO 151.85 V2 35.220
 RC 107.975 GL -27.50 GP -6.86 ZAL 85.50 ZAP 129.09 ETS 355.45 ZAE 143.66 ETE 187.03 ZAC 117.92 ETC 13.55 CLP-129.42

PLANETOCENTRIC CONIC
 C3 8.191 VHL 2.862 DLA -20.07 RAL 156.86 RAD 6567.3 VEL 11.383 PTH 1.97 VHP 3.473 DPA 8.64 RAP 149.25 ECC 1.1348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 3 1342.70 6.79 351.08 6.79 117.56 8 18 25 742.7 10.43 344.29
 90.00 14 13 24 5348.37 27.67 243.83 10.88 83.74 15 42 32 4748.4 26.52 235.35
 100.00 9 4 30 1121.79 5.76 334.27 6.22 119.38 9 23 12 521.8 9.63 327.63
 100.00 15 47 38 5044.52 28.84 221.31 10.71 81.78 17 11 42 4444.5 27.40 212.80
 110.00 9 45 8 994.43 3.22 323.05 4.65 124.05 10 1 43 394.4 7.67 316.78
 110.00 17 23 29 4744.64 31.77 197.89 10.06 76.66 18 42 33 4144.6 29.61 189.34

DIFFERENTIAL CORRECTIONS
 TDE-1.1287 TRA .2263 TC3-5.5856 BAU .6166 SGT 3944.6 SGR 472.3 SG3 1029.4 ST 2266.3 SR 149.5 SS 2230.8
 RDE -.0685 RRA .0909 RC3 -.7133 FAU .14261 RRT .9172 RRF .9319 RTF .9779 CRT .9433 CRS -.9676 CST -.9963
 FDE-3.6695 FRA 1.7269 FC-15.0729 BSP 12195 SGB 3972.8 R23 .0826 R13 .9783 LSA 3180.3 MSA 142.5 SSA 10.0
 BDE 1.1308 BRA .2438 BC3 5.6310 FSP -3292 SG1 3968.4 SG2 187.0 THA 6.28 EL1 2270.7 EL2 49.5 ALF 3.56

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 3 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 461.836

RL 151.74 LAL -.00 LOL 251.75 VL 26.849 GAL 1.19 AZL 92.89 HCA 209.17 SMA 129.06 ECC .17696 INC 2.8922 V1 29.361
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.935 GAP 3.49 AZP 87.47 TAL 174.47 TAP 23.64 RCA 106.22 APO 151.89 V2 35.227
 RC 110.226 GL -27.80 GP -5.92 ZAL 84.02 ZAP 132.41 ETS 355.62 ZAE 141.63 ETE 185.63 ZAC 117.73 ETC 14.04 CLP-132.69

PLANETOCENTRIC CONIC

C3 8.434 VHL 2.904 DLA -20.96 RAL 158.17 RAD 6567.3 VEL 11.394 PTH 1.97 VHP 3.605 DPA 9.53 RAP 149.54 ECC 1.1388
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 45 1309.80 7.82 349.21 8.72 117.30 8 33 34 709.8 11.42 342.38
 90.00 14 8 11 5392.24 27.96 247.01 12.93 85.31 15 38 3 4792.2 27.01 238.47
 100.00 9 19 2 1092.65 6.73 332.66 8.13 119.19 9 37 14 492.6 10.57 325.97
 100.00 15 43 35 5084.62 29.20 224.24 12.79 83.28 17 8 19 4484.6 27.96 215.65
 110.00 9 57 32 971.98 4.08 321.87 6.49 123.97 10 13 44 372.0 8.51 315.59
 110.00 17 21 34 4778.06 32.27 200.37 12.20 78.05 18 41 12 4178.1 30.28 191.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2397 TRA .2872 TC3-5.7338 BAU .6505 SGT 4176.3 SGR 425.2 SG3 964.1 ST 2454.5 SR 105.9 SS 2206.1
 RDE -.0449 RRA .0897 RC3 -.6373 FAU .13240 RRT .8811 RRF .8922 RTF .9786 CRT .8782 CRS -.9130 CST -.9967
 FDE-3.5449 FRA 1.7259 FC-13.5903 BSP 12953 SGB 4197.9 R23 .0591 R13 .9789 LSA 3298.9 MSA 140.8 SSA 11.1
 BDE 1.2405 BRA .3008 BC3 5.7691 FSP -3096 SG1 4193.1 SG2 200.3 THA 5.14 EL1 2456.3 EL2 50.6 ALF 2.17

LAUNCH DATE JUN 3 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 468.004

RL 151.74 LAL -.00 LOL 251.75 VL 26.829 GAL 1.37 AZL 92.95 HCA 212.41 SMA 128.92 ECC .17859 INC 2.9516 V1 29.361
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.926 GAP 3.87 AZP 87.51 TAL 173.69 TAP 26.11 RCA 105.89 APO 151.94 V2 35.233
 RC 112.475 GL -27.94 GP -5.18 ZAL 82.48 ZAP 135.48 ETS 355.76 ZAE 139.79 ETE 184.65 ZAC 117.36 ETC 14.40 CLP-135.71

PLANETOCENTRIC CONIC

C3 8.687 VHL 2.947 DLA -21.75 RAL 159.63 RAD 6567.3 VEL 11.405 PTH 1.97 VHP 3.746 DPA 10.16 RAP 149.99 ECC 1.1430
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 27 17 1280.10 8.75 347.52 10.80 117.04 8 48 37 680.1 12.31 340.64
 90.00 14 4 16 5433.13 28.15 249.98 15.09 86.79 15 34 49 4833.1 27.41 241.40
 100.00 9 33 24 1066.72 7.59 331.21 10.18 119.00 9 51 11 466.7 11.40 324.49
 100.00 15 40 50 5121.74 29.46 226.96 14.98 84.69 17 6 12 4521.7 28.41 218.32
 110.00 10 9 50 952.51 4.82 320.85 8.47 123.88 10 25 43 352.5 9.23 314.55
 110.00 17 20 53 4808.72 32.68 202.66 14.45 79.35 18 41 2 4208.7 30.86 193.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3447 TRA .3565 TC3-5.8383 BAU .6814 SGT 4385.6 SGR 392.8 SG3 899.2 ST 2625.6 SR 73.8 SS 2168.4
 RDE -.0238 RRA .0902 RC3 -.5790 FAU .12218 RRT .8338 RRF .8413 RTF .9789 CRT .6941 CRS -.7463 CST -.9970
 FDE-3.3992 FRA 1.7312 FC-12.1763 BSP 13628 SGB 4403.2 R23 .0419 R13 .9790 LSA 3403.1 MSA 139.5 SSA 12.1
 BDE 1.3449 BRA .3677 BC3 5.8669 FSP -2891 SG1 4397.9 SG2 216.2 THA 4.28 EL1 2626.1 EL2 53.1 ALF 1.12

LAUNCH DATE JUN 3 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 474.152

RL 151.74 LAL -.00 LOL 251.75 VL 26.807 GAL 1.56 AZL 93.00 HCA 215.66 SMA 128.77 ECC .18039 INC 3.0012 V1 29.361
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.916 GAP 4.25 AZP 87.56 TAL 172.88 TAP 28.54 RCA 105.54 APO 152.00 V2 35.239
 RC 114.720 GL -27.96 GP -4.57 ZAL 80.85 ZAP 138.32 ETS 355.86 ZAE 138.12 ETE 183.95 ZAC 116.79 ETC 14.66 CLP-138.52

PLANETOCENTRIC CONIC

C3 8.957 VHL 2.993 DLA -22.45 RAL 161.21 RAD 6567.3 VEL 11.417 PTH 1.98 VHP 3.895 DPA 10.59 RAP 150.61 ECC 1.1474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 42 50 1252.82 9.59 345.95 13.02 116.77 9 3 43 652.8 13.11 339.04
 90.00 14 1 21 5472.10 28.27 252.83 17.37 88.21 15 32 33 4872.1 27.72 244.20
 100.00 9 47 45 1043.29 8.36 329.90 12.36 118.80 10 5 8 443.3 12.14 323.15
 100.00 15 39 7 5156.86 29.65 229.56 17.29 86.04 17 5 4 4556.9 28.79 220.86
 110.00 10 22 9 935.43 5.47 319.95 10.59 123.80 10 37 45 335.4 9.87 313.63
 110.00 17 21 12 4837.49 33.02 204.84 16.83 80.60 18 41 50 4237.5 31.37 196.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4459 TRA .4335 TC3-5.9074 BAU .7103 SGT 4579.5 SGR 371.8 SG3 838.1 ST 2783.3 SR 58.4 SS 2125.3
 RDE -.0045 RRA .0917 RC3 -.5338 FAU .11262 RRT .7779 RRF .7817 RTF .9790 CRT .2488 CRS -.3185 CST -.9972
 FDE-3.2490 FRA 1.7367 FC-10.8855 BSP 14271 SGB 4594.6 R23 .0290 R13 .9791 LSA 3499.7 MSA 138.1 SSA 13.1
 BDE 1.4459 BRA .4431 BC3 5.9315 FSP -2703 SG1 4588.7 SG2 233.2 THA 3.62 EL1 2783.3 EL2 56.6 ALF .30

LAUNCH DATE JUN 3 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 480.279

RL 151.74 LAL -.00 LOL 251.75 VL 26.784 GAL 1.77 AZL 93.04 HCA 218.90 SMA 128.62 ECC .18234 INC 3.0436 V1 29.361
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.904 GAP 4.63 AZP 87.63 TAL 172.04 TAP 30.94 RCA 105.16 APO 152.07 V2 35.244
 RC 116.961 GL -27.86 GP -4.08 ZAL 79.17 ZAP 140.95 ETS 355.94 ZAE 136.62 ETE 183.44 ZAC 116.06 ETC 14.83 CLP-141.13

PLANETOCENTRIC CONIC

C3 9.250 VHL 3.041 DLA -23.09 RAL 162.91 RAD 6567.3 VEL 11.430 PTH 1.98 VHP 4.051 DPA 10.85 RAP 151.38 ECC 1.1522
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 58 27 1227.51 10.36 344.49 15.37 116.50 9 18 55 627.5 13.84 337.54
 90.00 13 59 15 5509.84 28.31 255.59 19.76 89.60 15 31 5 4909.8 27.96 246.94
 100.00 10 2 8 1021.98 9.06 328.70 14.68 118.61 10 19 10 422.0 12.81 321.92
 100.00 15 38 15 5190.61 29.79 232.06 19.72 87.35 17 4 46 4590.6 29.10 223.32
 110.00 10 34 31 920.42 6.03 319.16 12.84 123.71 10 49 52 320.4 10.42 312.82
 110.00 17 22 21 4864.93 33.30 206.93 19.32 81.80 18 43 26 4264.9 31.81 198.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5442 TRA .5175 TC3-5.9446 BAU .7377 SGT 4760.4 SGR 359.3 SG3 780.9 ST 2928.4 SR 63.5 SS 2077.7
 RDE .0133 RRA .0939 RC3 -.4974 FAU .10380 RRT .7160 RRF .7164 RTF .9791 CRT -.2880 CRS .2201 CST -.9974
 FDE-3.0985 FRA 1.7401 FC3-9.7147 BSP 14876 SGB 4773.9 R23 .0192 R13 .9791 LSA 3588.6 MSA 136.7 SSA 14.0
 BDE 1.5443 BRA .5259 BC3 5.9654 FSP -2527 SG1 4767.3 SG2 250.5 THA 3.10 EL1 2928.5 EL2 60.8 ALF 179.64

LAUNCH DATE JUN 3 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 486.386

RL 151.74 LAL -.00 LOL 251.75 VL 26.759 GAL 1.99 AZL 93.08 HCA 222.15 SMA 128.45 ECC .18446 INC 3.0803 V1 29.361
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.891 GAP 5.02 AZP 87.72 TAL 171.16 TAP 33.30 RCA 104.76 APO 152.15 V2 35.248
 RC 119.197 GL -27.68 GP -3.67 ZAL 77.42 ZAP 143.41 ETS 355.99 ZAE 135.27 ETE 183.06 ZAC 115.18 ETC 14.94 CLP-143.57

PLANETOCENTRIC CONIC

C3 9.572 VHL 3.094 DLA -23.67 RAL 164.70 RAD 6567.3 VEL 11.444 PTH 1.99 VHP 4.213 DPA 10.96 RAP 152.30 ECC 1.1575
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 12 1203.92 11.07 343.13 17.86 116.23 9 34 16 603.9 14.51 336.14
 90.00 13 57 49 5546.81 28.30 258.29 22.26 90.95 15 30 16 4946.8 28.13 249.63
 100.00 10 16 35 1002.57 9.69 327.60 17.13 118.42 10 33 18 402.6 13.41 320.79
 100.00 15 38 7 5223.40 29.86 234.49 22.25 88.63 17 5 11 4623.4 29.35 225.72
 110.00 10 46 57 907.33 6.53 318.47 15.21 123.63 11 2 5 307.3 10.90 312.11
 110.00 17 24 14 4891.40 33.54 208.96 21.94 82.98 18 45 46 4291.4 32.21 199.98

DIFFERENTIAL CORRECTIONS

TDE-1.6364 TRA .6133 TC3-5.9323 BAU .7615
 RDE .0304 RRA .0968 RC3 -.4655 FAU .09518
 FDE-2.9431 FRA 1.7526 FC3-8.6089 BSP 15368
 BDE 1.6367 BRA .6209 BC3 5.9505 FSP -2348

MID-COURSE EXECUTION ACCURACY

SGT 4918.9 SGR 352.8 SG3 726.2
 RRT .6507 RRF .6478 RTF .9788
 SGB 4931.6 R23 .0119 R13 .9788
 SG1 4924.3 SG2 267.6 THA 2.68

ORBIT DETERMINATION ACCURACY

ST 3055.2 SR 81.9 SS 2022.2
 CRT -.5917 CRS .5351 CST -.9975
 LSA 3662.2 MSA 136.1 SSA 14.9
 EL1 3055.6 EL2 66.0 ALF 179.09

LAUNCH DATE JUN 3 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 492.472

RL 151.74 LAL -.00 LOL 251.75 VL 26.734 GAL 2.22 AZL 93.11 HCA 225.40 SMA 128.29 ECC .18675 INC 3.1129 V1 29.361
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.877 GAP 5.40 AZP 87.81 TAL 170.24 TAP 35.64 RCA 104.33 APO 152.25 V2 35.252
 RC 121.426 GL -27.41 GP -3.32 ZAL 75.62 ZAP 145.70 ETS 356.00 ZAE 134.06 ETE 182.77 ZAC 114.15 ETC 14.99 CLP-145.84

PLANETOCENTRIC CONIC

C3 9.929 VHL 3.151 DLA -24.21 RAL 166.58 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 4.382 DPA 10.96 RAP 153.35 ECC 1.1634
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 30 4 1181.98 11.73 341.85 20.46 115.96 9 49 46 582.0 15.13 334.82
 90.00 13 56 58 5583.23 28.23 260.95 24.86 92.29 15 30 1 4983.2 28.25 252.29
 100.00 10 31 4 985.04 10.25 326.61 19.69 118.23 10 47 29 385.0 13.95 319.77
 100.00 15 38 39 5255.41 29.89 236.87 24.90 89.88 17 6 14 4655.4 29.56 228.08
 110.00 10 59 25 896.13 6.95 317.88 17.69 123.55 11 14 21 296.1 11.31 311.50
 110.00 17 26 47 4917.08 33.74 210.94 24.66 84.14 18 48 44 4317.1 32.56 201.90

DIFFERENTIAL CORRECTIONS

TDE-1.7293 TRA .7140 TC3-5.9004 BAU .7854
 RDE .0468 RRA .0999 RC3 -.4381 FAU .08759
 FDE-2.8007 FRA 1.7569 FC3-7.6374 BSP 15890
 BDE 1.7299 BRA .7209 BC3 5.9167 FSP -2196

MID-COURSE EXECUTION ACCURACY

SGT 5073.5 SGR 350.9 SG3 676.8
 RRT .5857 RRF .5797 RTF .9786
 SGB 5085.6 R23 .0057 R13 .9787
 SG1 5077.6 SG2 284.2 THA 2.33

ORBIT DETERMINATION ACCURACY

ST 3175.2 SR 104.3 SS 1969.3
 CRT -.7278 CRS .6805 CST -.9976
 LSA 3735.2 MSA 135.4 SSA 15.7
 EL1 3176.1 EL2 71.5 ALF 178.63

LAUNCH DATE JUN 3 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 498.535

RL 151.74 LAL -.00 LOL 251.75 VL 26.708 GAL 2.47 AZL 93.14 HCA 228.64 SMA 128.12 ECC .18921 INC 3.1419 V1 29.361
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.861 GAP 5.78 AZP 87.92 TAL 169.30 TAP 37.94 RCA 103.87 APO 152.36 V2 35.255
 RC 123.648 GL -27.07 GP -3.03 ZAL 73.77 ZAP 147.84 ETS 356.00 ZAE 132.98 ETE 182.55 ZAC 113.00 ETC 14.99 CLP-147.97

PLANETOCENTRIC CONIC

C3 10.327 VHL 3.214 DLA -24.69 RAL 168.54 RAD 6567.4 VEL 11.477 PTH 1.99 VHP 4.556 DPA 10.85 RAP 154.52 ECC 1.1700
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 46 0 1161.69 12.33 340.66 23.18 115.69 10 5 21 561.7 15.69 333.60
 90.00 13 56 39 5619.25 28.11 263.58 27.56 93.60 15 30 18 5019.3 28.31 254.92
 100.00 10 45 33 969.40 10.75 325.72 22.37 118.06 11 1 43 369.4 14.42 318.85
 100.00 15 39 47 5286.77 29.87 239.20 27.64 91.11 17 7 53 4686.8 29.71 230.40
 110.00 11 11 53 886.83 7.30 317.38 20.28 123.49 11 26 40 286.8 11.65 310.99
 110.00 17 29 56 4942.11 33.89 212.88 27.49 85.27 18 52 19 4342.1 32.87 203.79

DIFFERENTIAL CORRECTIONS

TDE-1.8192 TRA .8245 TC3-5.8352 BAU .8076
 RDE .0628 RRA .1033 RC3 -.4128 FAU .08058
 FDE-2.6634 FRA 1.7637 FC3-6.7554 BSP 16369
 BDE 1.8203 BRA .8309 BC3 5.8497 FSP -2055

MID-COURSE EXECUTION ACCURACY

SGT 5215.7 SGR 352.2 SG3 631.2
 RRT .5224 RRF .5136 RTF .9785
 SGB 5227.5 R23 .0008 R13 .9785
 SG1 5218.9 SG2 300.1 THA 2.03

ORBIT DETERMINATION ACCURACY

ST 3281.5 SR 127.7 SS 1914.2
 CRT -.7945 CRS .7533 CST -.9977
 LSA 3798.7 MSA 135.3 SSA 16.3
 EL1 3283.1 EL2 77.5 ALF 178.23

LAUNCH DATE JUN 3 1967

FLIGHT TIME 180.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 504.575

RL 151.74 LAL -.00 LOL 251.75 VL 26.682 GAL 2.74 AZL 93.17 HCA 231.89 SMA 127.94 ECC .19186 INC 3.1682 V1 29.361
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.844 GAP 6.17 AZP 88.04 TAL 168.33 TAP 40.22 RCA 103.39 APO 152.49 V2 35.257
 RC 125.861 GL -26.66 GP -2.77 ZAL 71.89 ZAP 149.86 ETS 355.96 ZAE 132.00 ETE 182.38 ZAC 111.73 ETC 14.96 CLP-149.97

PLANETOCENTRIC CONIC

C3 10.773 VHL 3.282 DLA -25.14 RAL 170.56 RAD 6567.4 VEL 11.496 PTH 2.00 VHP 4.737 DPA 10.66 RAP 155.80 ECC 1.1773
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 1 56 1143.15 12.88 339.58 26.02 115.44 10 21 0 543.2 16.20 332.47
 90.00 13 56 51 5654.90 27.93 266.17 30.35 94.89 15 31 6 5054.9 28.31 257.53
 100.00 10 59 58 955.79 11.19 324.94 25.15 117.90 11 15 54 355.8 14.84 318.05
 100.00 15 41 30 5317.50 29.81 241.48 30.49 92.31 17 10 8 4717.5 29.81 232.68
 110.00 11 24 17 879.51 7.57 316.99 22.98 123.43 11 38 57 279.5 11.92 310.59
 110.00 17 33 40 4966.54 34.02 214.77 30.43 86.39 18 56 27 4366.5 33.14 205.64

DIFFERENTIAL CORRECTIONS

TDE-1.9077 TRA .9436 TC3-5.7381 BAU .8283
 RDE .0788 RRA .1067 RC3 -.3886 FAU .07406
 FDE-2.5343 FRA 1.7698 FC3-5.9520 BSP 16820
 BDE 1.9093 BRA .9496 BC3 5.7512 FSP -1925

MID-COURSE EXECUTION ACCURACY

SGT 5346.9 SGR 355.4 SG3 589.1
 RRT .4615 RRF .4499 RTF .9782
 SGB 5358.7 R23 -.0035 R13 .9782
 SG1 5349.4 SG2 315.2 THA 1.76

ORBIT DETERMINATION ACCURACY

ST 3376.6 SR 151.0 SS 1859.1
 CRT -.8309 CRS .7940 CST -.9979
 LSA 3855.1 MSA 135.7 SSA 16.8
 EL1 3378.9 EL2 84.0 ALF 177.87

LAUNCH DATE JUN 3 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 510.591

RL 151.74 LAL -.00 LOL 251.75 VL 26.654 GAL 3.02 AZL 93.19 HCA 235.14 SMA 127.76 ECC .19471 INC 3.1922 V1 29.361
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.826 GAP 6.56 AZP 88.17 TAL 167.33 TAP 42.47 RCA 102.88 APO 152.63 V2 35.258
 RC 128.066 GL -26.20 GP -2.56 ZAL 69.98 ZAP 151.75 ETS 355.90 ZAE 131.13 ETE 182.24 ZAC 110.36 ETC 14.90 CLP-151.86

PLANETOCENTRIC CONIC

C3 11.272 VHL 3.357 DLA -25.54 RAL 172.64 RAD 6567.4 VEL 11.518 PTH 2.01 VHP 4.923 DPA 10.38 RAP 157.17 ECC 1.1855
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 17 49 1126.55 13.36 338.60 28.95 115.20 10 36 36 526.5 16.65 331.46
 90.00 13 57 33 5690.13 27.70 268.73 33.23 96.15 15 32 23 5090.1 28.26 260.11
 100.00 11 14 15 944.34 11.55 324.29 28.02 117.76 11 29 59 344.3 15.18 317.38
 100.00 15 43 48 5347.57 29.71 243.71 33.42 93.48 17 12 56 4747.6 29.87 234.91
 110.00 11 36 35 874.26 7.77 316.72 25.76 123.39 11 51 9 274.3 12.11 310.31
 110.00 17 37 58 4990.42 34.10 216.63 33.46 87.49 19 1 8 4390.4 33.38 207.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9912 TRA 1.0754 TC3-5.6037 BAU .8463 SGT 5462.8 SGR 360.2 SG3 549.5 ST 3454.3 SR 174.0 SS 1799.0
 RDE .0951 RRA .1102 RC3 -.3647 FAU .06786 RRT .4036 RRF .3900 RTF .9777 CRT -.8522 CRS .8180 CST -.9979
 FDE-2.4057 FRA 1.7813 FC3-5.2119 BSP 17174 SGB 5474.7 R23 -.0067 R13 .9777 LSA 3896.2 MSA 137.2 SSA 17.2
 BDE 1.9935 BRA 1.0810 BC3 5.6155 FSP -1796 SGI 5464.8 SG2 329.4 THA 1.53 EL1 3457.5 EL2 91.0 ALF 177.54

LAUNCH DATE JUN 3 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 516.581

RL 151.74 LAL -.00 LOL 251.75 VL 26.626 GAL 3.32 AZL 93.21 HCA 238.39 SMA 127.58 ECC .19776 INC 3.2144 V1 29.361
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.807 GAP 6.95 AZP 88.31 TAL 166.31 TAP 44.69 RCA 102.35 APO 152.80 V2 35.259
 RC 130.261 GL -25.68 GP -2.37 ZAL 68.04 ZAP 153.54 ETS 355.82 ZAE 130.34 ETE 182.13 ZAC 108.89 ETC 14.81 CLP-153.64

PLANETOCENTRIC CONIC

C3 11.833 VHL 3.440 DLA -25.89 RAL 174.76 RAD 6567.5 VEL 11.542 PTH 2.01 VHP 5.116 DPA 10.03 RAP 158.63 ECC 1.1947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 33 30 1112.14 13.78 337.74 31.96 114.99 10 52 2 512.1 17.03 330.58
 90.00 13 58 47 5724.78 27.42 271.22 36.18 97.37 15 34 12 5124.8 28.15 262.64
 100.00 11 28 16 935.29 11.84 323.77 30.98 117.65 11 43 51 335.3 15.45 316.84
 100.00 15 46 42 5376.87 29.57 245.88 36.44 94.61 17 16 19 4776.9 29.89 237.09
 110.00 11 48 41 871.21 7.88 316.55 28.62 123.37 12 3 13 271.2 12.22 310.14
 110.00 17 42 47 5013.71 34.16 218.45 36.59 88.56 19 6 20 4413.7 33.58 209.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0760 TRA 1.2143 TC3-5.4517 BAU .8642 SGT 5574.9 SGR 365.8 SG3 513.7 ST 3524.8 SR 196.2 SS 1742.6
 RDE .1114 RRA .1135 RC3 -.3414 FAU .06232 RRT .3490 RRF .3332 RTF .9774 CRT -.8656 CRS .8336 CST -.9980
 FDE-2.2898 FRA 1.7887 FC3-4.5591 BSP 17566 SGB 5586.9 R23 -.0097 R13 .9774 LSA 3934.4 MSA 138.9 SSA 17.5
 BDE 2.0790 BRA 1.2196 BC3 5.4624 FSP -1686 SGI 5576.3 SG2 342.7 THA 1.32 EL1 3528.9 EL2 98.1 ALF 177.24

LAUNCH DATE JUN 3 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 522.545

RL 151.74 LAL -.00 LOL 251.75 VL 26.597 GAL 3.63 AZL 93.24 HCA 241.63 SMA 127.39 ECC .20103 INC 3.2352 V1 29.361
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.787 GAP 7.35 AZP 88.46 TAL 165.26 TAP 46.90 RCA 101.78 APO 153.00 V2 35.259
 RC 132.447 GL -25.11 GP -2.20 ZAL 66.09 ZAP 155.24 ETS 355.71 ZAE 129.63 ETE 182.04 ZAC 107.34 ETC 14.71 CLP-155.34

PLANETOCENTRIC CONIC

C3 12.464 VHL 3.531 DLA -26.20 RAL 176.92 RAD 6567.5 VEL 11.569 PTH 2.02 VHP 5.315 DPA 9.62 RAP 160.16 ECC 1.2051
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 48 53 1100.22 14.12 337.03 35.06 114.80 11 7 13 500.2 17.35 329.85
 90.00 14 0 36 5758.67 27.10 273.65 39.20 98.55 15 36 35 5158.7 28.00 265.10
 100.00 11 41 57 928.85 12.04 323.40 34.01 117.57 11 57 25 328.9 15.64 316.46
 100.00 15 50 13 5405.27 29.39 247.97 39.53 95.70 17 20 18 4805.3 29.87 239.20
 110.00 12 0 33 870.48 7.91 316.51 31.55 123.36 12 15 3 270.5 12.25 310.10
 110.00 17 48 6 5036.41 34.18 220.22 39.79 89.61 19 12 3 4436.4 33.75 211.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1602 TRA 1.3626 TC3-5.2795 BAU .8814 SGT 5679.9 SGR 371.7 SG3 480.8 ST 3584.6 SR 217.6 SS 1686.9
 RDE .1282 RRA .1165 RC3 -.3182 FAU .05727 RRT .2972 RRF .2797 RTF .9771 CRT -.8744 CRS .8441 CST -.9981
 FDE-2.1817 FRA 1.7955 FC3-3.9777 BSP 17948 SGB 5692.1 R23 -.0124 R13 .9771 LSA 3965.1 MSA 141.3 SSA 17.6
 BDE 2.1640 BRA 1.3676 BC3 5.2891 FSP -1586 SGI 5681.0 SG2 354.9 THA 1.12 EL1 3589.6 EL2 105.4 ALF 176.96

LAUNCH DATE JUN 3 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 528.480

RL 151.74 LAL -.00 LOL 251.75 VL 26.568 GAL 3.97 AZL 93.25 HCA 244.88 SMA 127.20 ECC .20453 INC 3.2546 V1 29.361
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.765 GAP 7.76 AZP 88.62 TAL 164.20 TAP 49.08 RCA 101.18 APO 153.21 V2 35.258
 RC 134.624 GL -24.49 GP -2.06 ZAL 64.13 ZAP 156.86 ETS 355.57 ZAE 128.99 ETE 181.96 ZAC 105.72 ETC 14.60 CLP-156.95

PLANETOCENTRIC CONIC

C3 13.174 VHL 3.630 DLA -26.47 RAL 179.09 RAD 6567.5 VEL 11.600 PTH 2.03 VHP 5.521 DPA 9.15 RAP 161.75 ECC 1.2168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 3 47 1091.17 14.38 336.49 38.22 114.66 11 21 59 491.2 17.58 329.29
 90.00 14 3 2 5791.51 26.75 275.99 42.29 99.67 15 39 34 5191.5 27.81 267.49
 100.00 11 55 10 925.26 12.16 323.19 37.10 117.52 12 10 35 325.3 15.75 316.24
 100.00 15 54 21 5432.65 29.19 249.98 42.69 96.74 17 24 54 4832.6 29.82 241.24
 110.00 12 12 4 872.18 7.85 316.60 34.53 123.38 12 26 37 272.2 12.18 310.19
 110.00 17 53 56 5058.50 34.18 221.95 43.07 90.63 19 18 14 4458.5 33.89 212.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2423 TRA 1.5225 TC3-5.0827 BAU .8967 SGT 5775.0 SGR 377.8 SG3 450.3 ST 3631.8 SR 238.3 SS 1631.0
 RDE .1455 RRA .1191 RC3 -.2950 FAU .05252 RRT .2479 RRF .2288 RTF .9768 CRT -.8801 CRS .8511 CST -.9982
 FDE-2.0792 FRA 1.8039 FC3-3.4515 BSP 18283 SGB 5787.3 R23 -.0147 R13 .9768 LSA 3985.7 MSA 144.3 SSA 17.6
 BDE 2.2470 BRA 1.5271 BC3 5.0912 FSP -1492 SGI 5775.7 SG2 366.0 THA .93 EL1 3637.8 EL2 113.0 ALF 176.69

LAUNCH DATE JUN 3 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 534.386

RL 151.74 LAL -.00 LOL 251.75 VL 26.538 GAL 4.32 AZL 93.27 HCA 248.13 SMA 127.01 ECC .20828 INC 3.2731 V1 29.361
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.743 GAP 8.18 AZP 88.78 TAL 163.12 TAP 51.25 RCA 100.55 APO 153.46 V2 35.256
 RC 136.791 GL -23.84 GP -1.93 ZAL 62.17 ZAP 158.40 ETS 355.41 ZAE 128.41 ETE 181.89 ZAC 104.03 ETC 14.48 CLP-158.48

PLANETOCENTRIC CONIC

C3 13.974 VHL 3.738 DLA -26.69 RAL 181.28 RAD 6567.6 VEL 11.634 PTH 2.04 VHP 5.735 DPA 8.63 RAP 163.41 ECC 1.2300
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 18 5 1085.39 14.54 336.15 41.43 114.57 11 36 10 485.4 17.74 328.93
 90.00 14 6 12 5822.97 26.37 278.22 45.44 100.72 15 43 15 5223.0 27.58 269.76
 100.00 12 7 49 924.75 12.17 323.16 40.25 117.51 12 23 14 324.8 15.76 316.21
 100.00 15 59 9 5458.85 28.97 251.90 45.92 97.72 17 30 8 4858.8 29.73 243.18
 110.00 12 23 13 876.40 7.69 316.83 37.57 123.41 12 37 49 276.4 12.03 310.42
 110.00 18 0 14 5079.97 34.15 223.63 46.41 91.62 19 24 54 4480.0 34.00 214.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3196 TRA 1.6968 TC3-4.8589 BAU .9091 SGT 5857.4 SGR 383.9 SG3 421.8 ST 3662.5 SR 258.4 SS 1572.4
 RDE .1635 RRA .1213 RC3 -.2716 FAU .04795 RRT .2013 RRF .1813 RTF .9762 CRT -.8833 CRS .8551 CST -.9983
 FDE-1.9780 FRA 1.8165 FC3-2.9705 BSP 18519 SGB 5870.0 R23 -.0163 R13 .9762 LSA 3991.4 MSA 148.5 SSA 17.5
 BDE 2.3253 BRA 1.7011 BC3 4.8665 FSP -1396 SG1 5857.9 SG2 376.0 THA .76 EL1 3669.6 EL2 120.9 ALF 176.43

LAUNCH DATE JUN 3 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 540.258

RL 151.74 LAL -.00 LOL 251.75 VL 26.508 GAL 4.69 AZL 93.29 HCA 251.38 SMA 126.81 ECC .21231 INC 3.2907 V1 29.361
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.720 GAP 8.60 AZP 88.95 TAL 162.03 TAP 53.40 RCA 99.89 APO 153.74 V2 35.254
 RC 138.949 GL -23.16 GP -1.82 ZAL 60.23 ZAP 159.88 ETS 355.23 ZAE 127.89 ETE 181.83 ZAC 102.29 ETC 14.36 CLP-159.95

PLANETOCENTRIC CONIC

C3 14.874 VHL 3.857 DLA -26.87 RAL 183.47 RAD 6567.6 VEL 11.673 PTH 2.05 VHP 5.957 DPA 8.06 RAP 165.11 ECC 1.2448
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 31 34 1083.37 14.60 336.03 44.68 114.54 11 49 37 483.4 17.79 328.81
 90.00 14 10 10 5852.66 25.97 280.30 48.64 101.69 15 47 43 5252.7 27.33 271.90
 100.00 12 19 48 927.55 12.08 323.32 43.42 117.55 12 35 15 327.6 15.68 316.38
 100.00 16 4 37 5483.71 28.73 253.71 49.20 98.65 17 36 1 4883.7 29.62 245.02
 110.00 12 33 55 883.23 7.43 317.19 40.64 123.46 12 48 38 283.2 11.78 310.80
 110.00 18 6 59 5100.80 34.10 225.25 49.82 92.58 19 32 0 4500.8 34.08 216.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3996 TRA 1.8787 TC3-4.6309 BAU .9222 SGT 5937.8 SGR 389.7 SG3 395.9 ST 3687.9 SR 277.4 SS 1518.2
 RDE .1821 RRA .1229 RC3 -.2487 FAU .04390 RRT .1561 RRF .1353 RTF .9759 CRT -.8855 CRS .8582 CST -.9983
 FDE-1.8879 FRA 1.8254 FC3-2.5549 BSP 18821 SGB 5950.6 R23 -.0179 R13 .9759 LSA 3994.9 MSA 152.7 SSA 17.3
 BDE 2.4065 BRA 1.8827 BC3 4.6376 FSP -1317 SG1 5938.1 SG2 384.9 THA .59 EL1 3696.1 EL2 128.6 ALF 176.18

LAUNCH DATE JUN 3 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 546.095

RL 151.74 LAL -.00 LOL 251.75 VL 26.478 GAL 5.09 AZL 93.31 HCA 254.62 SMA 126.62 ECC .21662 INC 3.3077 V1 29.361
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.695 GAP 9.04 AZP 89.12 TAL 160.92 TAP 55.54 RCA 99.19 APO 154.05 V2 35.251
 RC 141.095 GL -22.44 GP -1.72 ZAL 58.29 ZAP 161.29 ETS 355.01 ZAE 127.41 ETE 181.78 ZAC 100.48 ETC 14.23 CLP-161.37

PLANETOCENTRIC CONIC

C3 15.889 VHL 3.986 DLA -27.01 RAL 185.64 RAD 6567.6 VEL 11.716 PTH 2.06 VHP 6.187 DPA 7.45 RAP 166.86 ECC 1.2615
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 44 4 1085.55 14.54 336.16 47.96 114.57 12 2 9 485.6 17.73 328.94
 90.00 14 15 3 5880.18 25.58 282.22 51.90 102.58 15 53 3 5280.2 27.06 273.86
 100.00 12 31 1 933.83 11.89 323.69 46.62 117.63 12 46 35 333.8 15.49 316.75
 100.00 16 10 46 5507.13 28.47 255.40 52.53 99.50 17 42 33 4907.1 29.49 246.75
 110.00 12 44 7 892.73 7.08 317.70 43.74 123.53 12 59 0 292.7 11.44 311.32
 110.00 18 14 10 5121.00 34.02 226.82 53.27 93.51 19 39 31 4521.0 34.14 217.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4786 TRA 2.0729 TC3-4.3896 BAU .9337 SGT 6010.3 SGR 395.0 SG3 371.8 ST 3702.8 SR 295.5 SS 1465.0
 RDE .2013 RRA .1237 RC3 -.2260 FAU .04011 RRT .1126 RRF .0911 RTF .9756 CRT -.8866 CRS .8600 CST -.9984
 FDE-1.8033 FRA 1.8354 FC3-2.1854 BSP 19097 SGB 6023.3 R23 -.0193 R13 .9755 LSA 3989.9 MSA 157.3 SSA 17.0
 BDE 2.4868 BRA 2.0766 BC3 4.3954 FSP -1243 SG1 6010.5 SG2 392.5 THA .43 EL1 3712.1 EL2 136.3 ALF 175.95

LAUNCH DATE JUN 3 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 551.894

RL 151.74 LAL -.00 LOL 251.75 VL 26.447 GAL 5.51 AZL 93.32 HCA 257.87 SMA 126.42 ECC .22124 INC 3.3242 V1 29.361
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.670 GAP 9.49 AZP 89.30 TAL 159.80 TAP 57.66 RCA 98.45 APO 154.39 V2 35.247
 RC 143.232 GL -21.71 GP -1.63 ZAL 56.38 ZAP 162.66 ETS 354.76 ZAE 126.97 ETE 181.72 ZAC 98.64 ETC 14.11 CLP-162.73

PLANETOCENTRIC CONIC

C3 17.033 VHL 4.127 DLA -27.10 RAL 187.80 RAD 6567.7 VEL 11.765 PTH 2.08 VHP 6.427 DPA 6.80 RAP 168.64 ECC 1.2803
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 55 25 1092.35 14.34 336.56 51.24 114.68 12 13 37 492.3 17.55 329.36
 90.00 14 20 55 617.14 25.20 306.05 55.21 103.37 14 31 12 17.1 26.79 297.74
 100.00 12 41 25 943.71 11.57 324.25 49.84 117.75 12 57 9 343.7 15.20 317.34
 100.00 16 17 35 5529.04 28.22 256.98 55.92 100.30 17 49 44 4929.0 29.35 248.36
 110.00 12 53 47 904.91 6.62 318.34 46.86 123.61 13 8 52 304.9 10.99 311.98
 110.00 18 21 43 5140.62 33.93 228.35 56.78 94.41 19 47 24 4540.6 34.17 219.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5570 TRA 2.2796 TC3-4.1403 BAU .9439 SGT 6076.2 SGR 399.9 SG3 349.6 ST 3708.1 SR 312.6 SS 1413.5
 RDE .2213 RRA .1237 RC3 -.2039 FAU .03659 RRT .0703 RRF .0485 RTF .9752 CRT -.8870 CRS .8610 CST -.9985
 FDE-1.7243 FRA 1.8459 FC3-1.8599 BSP 19359 SGB 6089.3 R23 -.0204 R13 .9752 LSA 3977.3 MSA 162.2 SSA 16.7
 BDE 2.5666 BRA 2.2830 BC3 4.1453 FSP -1174 SG1 6076.2 SG2 398.9 THA .27 EL1 3718.4 EL2 144.0 ALF 175.72

LAUNCH DATE JUN 3 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 557.651

RL 151.74 LAL -.00 LOL 251.75 VL 26.417 GAL 5.95 AZL 93.34 HCA 261.11 SMA 126.23 ECC .22620 INC 3.3403 V1 29.361
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.644 GAP 9.95 AZP 89.48 TAL 158.67 TAP 59.78 RCA 97.67 APO 154.78 V2 35.243
 RC 145.356 GL -20.96 GP -1.55 ZAL 54.50 ZAP 163.97 ETS 354.47 ZAE 126.57 ETE 181.67 ZAC 96.75 ETC 14.00 CLP-164.05

PLANETOCENTRIC CONIC

C3 18.323 VHL 4.281 DLA -27.15 RAL 189.94 RAD 6567.7 VEL 11.820 PTH 2.09 VHP 6.678 DPA 6.12 RAP 170.46 ECC 1.3016
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 5 31 1104.04 14.01 337.26 54.51 114.86 12 23 55 504.0 17.25 330.08
 90.00 14 27 50 639.38 24.84 307.58 58.56 104.05 14 38 29 39.4 26.53 299.31
 100.00 12 50 57 957.25 11.14 325.03 53.06 117.92 13 6 54 357.3 14.79 318.14
 100.00 16 25 5 5549.44 27.96 258.44 59.34 101.02 17 57 34 4949.4 29.20 249.86
 110.00 13 2 53 919.77 6.06 319.13 49.99 123.71 13 18 13 319.8 10.45 312.78
 110.00 18 29 38 5159.68 33.82 229.83 60.32 95.28 19 55 37 4559.7 34.18 220.60

DIFFERENTIAL CORRECTIONS

TDE-2.6344 TRA 2.5003 TC3-3.8831 BAU .9523
 RDE .2420 RRA .1228 RC3 -.1825 FAU .03328
 FDE-1.6499 FRA 1.8580 FC3-1.5726 BSP 19585
 BDE 2.6455 BRA 2.5033 BC3 3.8874 FSP -1109

MID-COURSE EXECUTION ACCURACY

SGT 6134.5 SGR 404.3 SG3 329.0
 RRT .0292 RRF .0075 RTF .9749
 SGB 6147.8 R23 -.0211 R13 .9749
 SG1 6134.5 SG2 404.1 THA .11

ORBIT DETERMINATION ACCURACY

ST 3703.7 SR 328.6 SS 1363.2
 CRT -.8866 CRS .8612 CST -.9985
 LSA 3956.6 MSA 167.5 SSA 16.4
 EL1 3715.1 EL2 151.5 ALF 175.49

LAUNCH DATE JUN 3 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 563.362

RL 151.74 LAL -.00 LOL 251.75 VL 26.386 GAL 6.42 AZL 93.36 HCA 264.36 SMA 126.03 ECC .23153 INC 3.3560 V1 29.361
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.618 GAP 10.43 AZP 89.67 TAL 157.53 TAP 61.89 RCA 96.85 APO 155.21 V2 35.237
 RC 147.469 GL -20.19 GP -1.47 ZAL 52.66 ZAP 165.25 ETS 354.14 ZAE 126.20 ETE 181.62 ZAC 94.82 ETC 13.89 CLP-165.32

PLANETOCENTRIC CONIC

C3 19.781 VHL 4.448 DLA -27.17 RAL 192.03 RAD 6567.8 VEL 11.881 PTH 2.11 VHP 6.941 DPA 5.40 RAP 172.30 ECC 1.3255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 14 17 1120.74 13.53 338.25 57.77 115.11 12 32 58 520.7 16.80 331.11
 90.00 14 35 47 658.77 24.51 308.90 61.97 104.64 14 46 46 58.8 26.29 300.68
 100.00 12 59 34 974.44 10.59 326.01 56.27 118.12 13 15 49 374.4 14.27 319.15
 100.00 16 33 11 5568.35 27.71 259.79 62.80 101.69 18 5 59 4968.4 29.04 251.24
 110.00 13 11 24 937.29 5.39 320.05 53.12 123.81 13 27 1 337.3 9.80 313.73
 110.00 18 37 51 5178.26 33.70 231.26 63.89 96.12 20 4 9 4578.3 34.18 222.05

DIFFERENTIAL CORRECTIONS

TDE-2.7087 TRA 2.7374 TC3-3.6176 BAU .9576
 RDE .2634 RRA .1208 RC3 -.1620 FAU .03009
 FDE-1.5780 FRA 1.8729 FC3-1.3169 BSP 19732
 BDE 2.7215 BRA 2.7400 BC3 3.6212 FSP -1045

MID-COURSE EXECUTION ACCURACY

SGT 6184.1 SGR 408.1 SG3 309.8
 RRT -.0106 RRF -.0317 RTF .9746
 SGB 6197.5 R23 .0213 R13 -.9746
 SG1 6184.1 SG2 408.1 THA 179.96

ORBIT DETERMINATION ACCURACY

ST 3687.8 SR 343.4 SS 1313.2
 CRT -.8854 CRS .8603 CST -.9986
 LSA 3925.8 MSA 173.1 SSA 16.0
 EL1 3700.3 EL2 159.1 ALF 175.28

LAUNCH DATE JUN 3 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 569.022

RL 151.74 LAL -.00 LOL 251.75 VL 26.354 GAL 6.92 AZL 93.37 HCA 267.60 SMA 125.83 ECC .23727 INC 3.3716 V1 29.361
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.590 GAP 10.93 AZP 89.86 TAL 156.39 TAP 64.00 RCA 95.98 APO 155.69 V2 35.231
 RC 149.570 GL -19.41 GP -1.41 ZAL 50.85 ZAP 166.49 ETS 353.75 ZAE 125.85 ETE 181.57 ZAC 92.86 ETC 13.80 CLP-166.56

PLANETOCENTRIC CONIC

C3 21.428 VHL 4.629 DLA -27.14 RAL 194.09 RAD 6567.9 VEL 11.950 PTH 2.13 VHP 7.216 DPA 4.66 RAP 174.17 ECC 1.3527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 21 43 1142.37 12.90 339.53 61.01 115.43 12 40 46 542.4 16.22 332.43
 90.00 14 44 44 675.43 24.22 310.04 65.41 105.14 14 55 59 75.4 26.06 301.85
 100.00 13 7 17 995.18 9.93 327.19 59.47 118.34 13 23 52 395.2 13.64 320.36
 100.00 16 41 51 5585.89 27.46 261.04 66.29 102.30 18 14 57 4985.9 28.88 252.52
 110.00 13 19 19 957.41 4.63 321.11 56.25 123.91 13 35 16 357.4 9.05 314.81
 110.00 18 46 19 5196.42 33.56 232.66 67.49 96.94 20 12 55 4596.4 34.15 223.47

DIFFERENTIAL CORRECTIONS

TDE-2.7866 TRA 2.9860 TC3-3.3577 BAU .9628
 RDE .2855 RRA .1177 RC3 -.1426 FAU .02720
 FDE-1.5140 FRA 1.8866 FC3-1.0991 BSP 19937
 BDE 2.8012 BRA 2.9883 BC3 3.3607 FSP -989

MID-COURSE EXECUTION ACCURACY

SGT 6229.7 SGR 411.3 SG3 292.1
 RRT -.0502 RRF -.0707 RTF .9744
 SGB 6243.3 R23 .0216 R13 -.9744
 SG1 6229.8 SG2 410.7 THA 179.81

ORBIT DETERMINATION ACCURACY

ST 3668.4 SR 356.8 SS 1267.4
 CRT -.8842 CRS .8596 CST -.9986
 LSA 3893.5 MSA 178.4 SSA 15.6
 EL1 3682.0 EL2 166.1 ALF 175.07

LAUNCH DATE JUN 3 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 574.625

RL 151.74 LAL -.00 LOL 251.75 VL 26.323 GAL 7.45 AZL 93.39 HCA 270.84 SMA 125.64 ECC .24344 INC 3.3871 V1 29.361
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.562 GAP 11.45 AZP 90.05 TAL 155.26 TAP 66.10 RCA 95.05 APO 156.22 V2 35.225
 RC 151.657 GL -18.63 GP -1.35 ZAL 49.09 ZAP 167.70 ETS 353.30 ZAE 125.52 ETE 181.52 ZAC 90.88 ETC 13.71 CLP-167.77

PLANETOCENTRIC CONIC

C3 23.293 VHL 4.826 DLA -27.08 RAL 196.09 RAD 6567.9 VEL 12.028 PTH 2.15 VHP 7.506 DPA 3.90 RAP 176.06 ECC 1.3833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 27 55 1168.61 12.13 341.07 64.21 115.78 12 47 23 568.6 15.50 334.02
 90.00 14 54 32 689.66 23.96 311.00 68.89 105.55 15 6 2 89.7 25.87 302.85
 100.00 13 14 7 1019.33 9.14 328.55 62.65 118.58 13 31 6 419.3 12.89 321.77
 100.00 16 51 1 5602.21 27.22 262.19 69.81 102.86 18 24 23 5002.2 28.72 253.71
 110.00 13 26 38 980.05 3.77 322.29 59.36 124.00 13 42 58 380.1 8.21 316.02
 110.00 18 54 59 5214.25 33.40 234.03 71.11 97.73 20 21 54 4614.3 34.11 224.86

DIFFERENTIAL CORRECTIONS

TDE-2.8651 TRA 3.2505 TC3-3.0991 BAU .9659
 RDE .3084 RRA .1132 RC3 -.1244 FAU .02448
 FDE-1.4545 FRA 1.9018 FC3 -.9100 BSP 20120
 BDE 2.8816 BRA 3.2525 BC3 3.1016 FSP -937

MID-COURSE EXECUTION ACCURACY

SGT 6269.1 SGR 413.8 SG3 275.7
 RRT -.0893 RRF -.1089 RTF .9743
 SGB 6282.8 R23 .0216 R13 -.9743
 SG1 6269.2 SG2 412.1 THA 179.66

ORBIT DETERMINATION ACCURACY

ST 3642.5 SR 368.9 SS 1223.8
 CRT -.8826 CRS .8584 CST -.9987
 LSA 3855.8 MSA 183.5 SSA 15.3
 EL1 3657.0 EL2 172.7 ALF 174.88

LAUNCH DATE JUN 3 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 580.165

RL 151.74 LAL -0.00 LOL 251.75 VL 26.292 GAL 8.02 AZL 93.40 MCA 274.09 SMA 125.44 ECC .25010 INC 3.4027 V1 29.361
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.533 GAP 12.00 AZP 90.24 TAL 154.12 TAP 68.21 RCA 94.07 APO 156.82 V2 35.217
 RC 153.730 GL -17.85 GP -1.30 ZAL 47.37 ZAP 168.88 ETS 352.78 ZAE 125.21 ETE 181.47 ZAC 88.87 ETC 13.64 CLP-168.96

PLANETOCENTRIC CONIC

C3 25.407 VHL 5.041 OLA -26.99 RAL 198.04 RAD 6568.0 VEL 12.115 PTH 2.17 VHP 7.813 DPA 3.11 RAP 177.96 ECC 1.4181
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 32 57 1199.03 11.22 342.84 67.37 116.17 12 52 56 599.0 14.65 335.84
 90.00 15 5 3 701.89 23.74 311.83 72.41 105.91 15 16 45 101.9 25.69 303.70
 100.00 13 20 6 1046.69 8.25 330.09 65.80 118.83 13 37 33 446.7 12.03 323.35
 100.00 17 0 35 5617.50 26.98 263.26 73.34 103.38 18 34 12 5017.5 28.55 254.81
 110.00 13 33 21 1005.11 2.82 323.61 62.46 124.08 13 50 6 405.1 7.27 317.35
 110.00 19 3 50 5231.84 33.23 235.38 74.74 98.51 20 31 1 4631.8 34.05 226.23

DIFFERENTIAL CORRECTIONS

TDE-2.9439 TRA 3.5321 TC3-2.8432 BAU .9664
 RDE .3319 RRA .1074 RC3 -.1075 FAU .02191
 FDE-1.3990 FRA 1.9187 FC3 -.7465 BSP 20277
 BDE 2.9625 BRA 3.5338 BC3 2.8452 FSP -888

MID-COURSE EXECUTION ACCURACY

SGT 6301.9 SGR 415.7 SG3 260.4
 RRT -.1278 RRF -.1462 RTF .9742
 SGB 6315.6 R23 .0213 R13 -.9743
 SG1 6302.1 SG2 412.3 THA 179.51

ORBIT DETERMINATION ACCURACY

ST 3610.0 SR 379.5 SS 1182.4
 CRT -.8807 CRS .8570 CST -.9988
 LSA 3812.9 MSA 188.5 SSA 14.9
 EL1 3625.4 EL2 179.0 ALF 174.70

LAUNCH DATE JUN 3 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 585.633

RL 151.74 LAL -0.00 LOL 251.75 VL 26.261 GAL 8.62 AZL 93.42 MCA 277.33 SMA 125.25 ECC .25730 INC 3.4183 V1 29.361
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.504 GAP 12.57 AZP 90.44 TAL 152.99 TAP 70.32 RCA 93.02 APO 157.47 V2 35.210
 RC 155.789 GL -17.07 GP -1.25 ZAL 45.71 ZAP 170.04 ETS 352.14 ZAE 124.91 ETE 181.41 ZAC 86.85 ETC 13.58 CLP-170.12

PLANETOCENTRIC CONIC

C3 27.809 VHL 5.273 OLA -26.86 RAL 199.93 RAD 6568.1 VEL 12.214 PTH 2.19 VHP 8.137 DPA 2.31 RAP 179.88 ECC 1.4577
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 36 58 1233.12 10.19 344.82 70.50 116.56 12 57 31 633.1 13.68 337.87
 90.00 15 16 6 712.60 23.54 312.55 75.94 106.22 15 27 59 112.6 25.54 304.45
 100.00 13 25 17 1077.02 7.25 331.79 68.93 119.08 13 43 15 477.0 11.07 325.08
 100.00 17 10 28 5631.97 26.75 264.28 76.90 103.87 18 44 20 5032.0 28.39 255.86
 110.00 13 39 29 1032.48 1.77 325.04 65.55 124.14 13 56 41 432.5 6.24 318.80
 110.00 19 12 46 5249.28 33.05 236.70 78.38 99.28 20 40 15 4649.3 33.98 227.59

DIFFERENTIAL CORRECTIONS

TDE-3.0211 TRA 3.8347 TC3-2.5881 BAU .9628
 RDE .3560 RRA .0999 RC3 -.0920 FAU .01938
 FDE-1.3458 FRA 1.9392 FC3 -.6034 BSP 20344
 BDE 3.0420 BRA 3.8360 BC3 2.5897 FSP -837

MID-COURSE EXECUTION ACCURACY

SGT 6327.5 SGR 417.0 SG3 246.2
 RRT -.1655 RRF -.1821 RTF .9742
 SGB 6341.2 R23 .0206 R13 -.9742
 SG1 6327.9 SG2 411.2 THA 179.37

ORBIT DETERMINATION ACCURACY

ST 3569.9 SR 388.6 SS 1142.4
 CRT -.8783 CRS .8548 CST -.9988
 LSA 3763.4 MSA 193.4 SSA 14.5
 EL1 3586.3 EL2 184.9 ALF 174.52

LAUNCH DATE JUN 3 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 591.019

RL 151.74 LAL -0.00 LOL 251.75 VL 26.229 GAL 9.26 AZL 93.43 MCA 280.56 SMA 125.05 ECC .26509 INC 3.4342 V1 29.361
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.474 GAP 13.17 AZP 90.63 TAL 151.87 TAP 72.44 RCA 91.90 APO 158.21 V2 35.201
 RC 157.834 GL -16.30 GP -1.20 ZAL 44.10 ZAP 171.19 ETS 351.36 ZAE 124.62 ETE 181.36 ZAC 84.81 ETC 13.54 CLP-171.27

PLANETOCENTRIC CONIC

C3 30.542 VHL 5.527 OLA -26.71 RAL 201.75 RAD 6568.2 VEL 12.325 PTH 2.22 VHP 8.482 DPA 1.49 RAP 181.80 ECC 1.5026
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 40 6 1270.39 9.05 346.96 73.58 116.95 13 1 17 670.4 12.59 340.07
 90.00 15 27 32 722.23 23.35 313.19 79.49 106.49 15 39 34 122.2 25.39 305.11
 100.00 13 29 44 1110.09 6.15 333.63 72.02 119.31 13 48 14 510.1 10.01 326.96
 100.00 17 20 35 5645.80 26.52 265.24 80.45 104.32 18 54 41 5045.8 28.23 256.86
 110.00 13 45 2 1062.03 .64 326.58 68.61 124.18 14 2 45 462.0 5.12 320.36
 110.00 19 21 46 5266.63 32.85 238.02 82.03 100.03 20 49 33 4666.6 33.89 228.93

DIFFERENTIAL CORRECTIONS

TDE-3.1046 TRA 4.1526 TC3-2.3459 BAU .9584
 RDE .3808 RRA .0908 RC3 -.0779 FAU .01710
 FDE-1.2996 FRA 1.9594 FC3 -.4848 BSP 20484
 BDE 3.1278 BRA 4.1536 BC3 2.3472 FSP -795

MID-COURSE EXECUTION ACCURACY

SGT 6348.9 SGR 417.6 SG3 233.0
 RRT -.2034 RRF -.2185 RTF .9744
 SGB 6362.6 R23 .0198 R13 -.9745
 SG1 6349.5 SG2 408.9 THA 179.23

ORBIT DETERMINATION ACCURACY

ST 3529.3 SR 396.1 SS 1106.8
 CRT -.8762 CRS .8531 CST -.9989
 LSA 3714.7 MSA 197.5 SSA 14.1
 EL1 3546.4 EL2 190.0 ALF 174.37

LAUNCH DATE JUN 3 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 596.311

RL 151.74 LAL -0.00 LOL 251.75 VL 26.198 GAL 9.95 AZL 93.45 MCA 283.80 SMA 124.86 ECC .27354 INC 3.4504 V1 29.361
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.444 GAP 13.81 AZP 90.82 TAL 150.77 TAP 74.57 RCA 90.71 APO 159.02 V2 35.192
 RC 159.863 GL -15.53 GP -1.16 ZAL 42.55 ZAP 172.32 ETS 350.37 ZAE 124.33 ETE 181.31 ZAC 82.77 ETC 13.52 CLP-172.40

PLANETOCENTRIC CONIC

C3 33.661 VHL 5.802 OLA -26.52 RAL 203.51 RAD 6568.3 VEL 12.451 PTH 2.25 VHP 8.850 DPA .66 RAP 183.73 ECC 1.5540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 42 28 1310.37 7.81 349.24 76.62 117.31 13 4 19 710.4 11.41 342.41
 90.00 15 39 11 731.19 23.18 313.79 83.05 106.74 15 51 22 131.2 25.25 305.73
 100.00 13 33 29 1145.63 4.96 335.59 75.07 119.52 13 52 34 545.6 8.86 328.97
 100.00 17 30 51 5659.20 26.29 266.17 84.01 104.76 19 5 10 5059.2 28.06 257.82
 110.00 13 50 3 1093.63 -.57 328.22 71.64 124.18 14 8 16 493.6 3.92 322.02
 110.00 19 30 47 5283.97 32.64 239.33 85.67 100.78 20 58 51 4684.0 33.78 230.28

DIFFERENTIAL CORRECTIONS

TDE-3.1905 TRA 4.4919 TC3-2.1114 BAU .9506
 RDE .4062 RRA .0799 RC3 -.0653 FAU .01493
 FDE-1.2572 FRA 1.9823 FC3 -.3839 BSP 20601
 BDE 3.2163 BRA 4.4926 BC3 2.1124 FSP -755

MID-COURSE EXECUTION ACCURACY

SGT 6364.7 SGR 417.6 SG3 220.7
 RRT -.2410 RRF -.2542 RTF .9748
 SGB 6378.4 R23 .0189 R13 -.9748
 SG1 6365.5 SG2 405.3 THA 179.09

ORBIT DETERMINATION ACCURACY

ST 3485.0 SR 402.0 SS 1073.9
 CRT -.8739 CRS .8513 CST -.9989
 LSA 3663.2 MSA 201.2 SSA 13.7
 EL1 3502.7 EL2 194.4 ALF 174.23

LAUNCH DATE JUN 3 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 601.496

RL 151.74 LAL -0.00 LOL 251.75 VL 26.167 GAL 10.69 AZL 93.47 HCA 287.03 SMA 124.67 ECC .28272 INC 3.4670 V1 29.361
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.413 GAP 14.49 AZP 91.02 TAL 149.68 TAP 76.72 RCA 89.43 APO 159.92 V2 35.183
 RC 161.876 GL -14.76 GP -1.13 ZAL 41.07 ZAP 173.43 ETS 349.07 ZAE 124.05 ETE 181.25 ZAC 80.72 ETC 13.51 CLP-173.53

PLANETOCENTRIC CONIC

C3 37.230 VHL 6.102 DLA -26.31 RAL 205.20 RAD 6568.5 VEL 12.594 PTH 2.28 VHP 9.244 DPA -.18 RAP 185.67 ECC 1.6127
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 44 10 1352.65 6.48 351.64 79.62 117.63 13 6 43 752.6 10.13 344.86
 90.00 15 50 55 739.81 23.01 314.36 86.60 106.98 16 3 14 139.8 25.12 306.33
 100.00 13 36 34 1183.41 3.69 337.68 78.09 119.68 13 56 18 583.4 7.61 331.09
 100.00 17 41 11 5672.32 26.06 267.08 87.57 105.19 19 15 44 5072.3 27.89 258.75
 110.00 13 54 30 1127.14 -1.85 329.97 74.64 124.14 14 13 17 527.1 2.64 323.77
 110.00 19 39 45 5301.35 32.41 240.63 89.29 101.52 21 8 7 4701.3 33.66 231.62

DIFFERENTIAL CORRECTIONS

TDE-3.2797 TRA 4.8539 TC3-1.8854 BAU .9388
 RDE .4321 RRA .0671 RC3 -.0542 FAU .01284
 FDE-1.2188 FRA 2.0079 FC3 -.2985 BSP 20692
 BDE 3.3081 BRA 4.8543 BC3 1.8862 FSP -717

MID-COURSE EXECUTION ACCURACY

SGT 6374.4 SGR 417.0 SG3 209.3
 RRT -.2784 RRF -.2895 RTF .9753
 SGB 6388.0 R23 .0177 R13 -.9753
 SG1 6375.5 SG2 400.5 THA 178.95

ORBIT DETERMINATION ACCURACY

ST 3437.5 SR 406.3 SS 1043.9
 CRT -.8716 CRS .8494 CST -.9990
 LSA 3609.6 MSA 204.2 SSA 13.3
 EL1 3455.8 EL2 198.1 ALF 174.10

LAUNCH DATE JUN 3 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 606.557

RL 151.74 LAL -0.00 LOL 251.75 VL 26.136 GAL 11.48 AZL 93.48 HCA 290.27 SMA 124.48 ECC .29272 INC 3.4843 V1 29.361
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.382 GAP 15.21 AZP 91.21 TAL 148.63 TAP 78.89 RCA 88.05 APO 160.92 V2 35.172
 RC 163.875 GL -14.01 GP -1.09 ZAL 39.64 ZAP 174.55 ETS 347.26 ZAE 123.76 ETE 181.20 ZAC 78.67 ETC 13.53 CLP-174.66

PLANETOCENTRIC CONIC

C3 41.326 VHL 6.429 DLA -26.08 RAL 206.80 RAD 6568.6 VEL 12.755 PTH 2.32 VHP 9.668 DPA -1.02 RAP 187.60 ECC 1.6801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 45 17 1396.88 5.08 354.13 82.58 117.90 13 8 34 796.9 8.77 347.40
 90.00 16 2 38 748.31 22.84 314.93 90.14 107.21 16 15 6 148.3 24.98 306.91
 100.00 13 39 4 1223.18 2.35 339.87 81.07 119.81 13 59 27 623.2 6.30 333.31
 100.00 17 51 32 5685.28 25.83 267.97 91.10 105.60 19 26 17 5085.3 27.72 259.68
 110.00 13 58 26 1162.43 -3.20 331.82 77.62 124.05 14 17 48 562.4 1.29 325.61
 110.00 19 48 40 5318.80 32.16 241.93 92.90 102.26 21 17 18 4718.8 33.52 232.96

DIFFERENTIAL CORRECTIONS

TDE-3.3697 TRA 5.2445 TC3-1.6655 BAU .9205
 RDE .4584 RRA .0520 RC3 -.0446 FAU .01074
 FDE-1.1826 FRA 2.0383 FC3 -.2251 BSP 20680
 BDE 3.4007 BRA 5.2448 BC3 1.6661 FSP -678

MID-COURSE EXECUTION ACCURACY

SGT 6378.6 SGR 415.8 SG3 198.6
 RRT -.3150 RRF -.3239 RTF .9759
 SGB 6392.2 R23 .0161 R13 -.9759
 SG1 6380.0 SG2 394.5 THA 178.82

ORBIT DETERMINATION ACCURACY

ST 3385.5 SR 408.8 SS 1015.9
 CRT -.8689 CRS .8471 CST -.9990
 LSA 3552.1 MSA 206.8 SSA 12.9
 EL1 3404.1 EL2 201.2 ALF 173.99

LAUNCH DATE JUN 3 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 611.472

RL 151.74 LAL -0.00 LOL 251.75 VL 26.106 GAL 12.34 AZL 93.50 HCA 293.50 SMA 124.30 ECC .30364 INC 3.5022 V1 29.361
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.351 GAP 15.99 AZP 91.40 TAL 147.60 TAP 81.10 RCA 86.56 APO 162.04 V2 35.162
 RC 165.860 GL -13.27 GP -1.06 ZAL 38.29 ZAP 175.65 ETS 344.56 ZAE 123.46 ETE 181.14 ZAC 76.63 ETC 13.56 CLP-175.78

PLANETOCENTRIC CONIC

C3 46.045 VHL 6.786 DLA -25.82 RAL 208.33 RAD 6568.7 VEL 12.939 PTH 2.36 VHP 10.125 DPA -1.87 RAP 189.53 ECC 1.7578
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 45 51 1442.78 3.61 356.71 85.49 118.11 13 9 54 842.8 7.34 350.02
 90.00 16 14 15 756.85 22.66 315.50 93.65 107.45 16 26 52 156.9 24.84 307.50
 100.00 13 41 0 1264.74 .94 342.15 84.01 119.88 14 2 4 664.7 4.91 335.61
 100.00 18 1 48 5698.16 25.59 268.85 94.62 106.01 19 36 46 5098.2 27.54 260.59
 110.00 14 1 50 1199.36 -4.60 333.75 80.56 123.91 14 21 49 599.4 -.12 327.54
 110.00 19 57 27 5336.31 31.90 243.23 96.48 102.98 21 26 24 4736.3 33.36 234.31

DIFFERENTIAL CORRECTIONS

TDE-3.4701 TRA 5.6572 TC3-1.4613 BAU .8998
 RDE .4853 RRA .0348 RC3 -.0364 FAU .00883
 FDE-1.1527 FRA 2.0700 FC3 -.1661 BSP 20765
 BDE 3.5039 BRA 5.6573 BC3 1.4618 FSP -645

MID-COURSE EXECUTION ACCURACY

SGT 6377.8 SGR 414.0 SG3 188.7
 RRT -.3520 RRF -.3588 RTF .9767
 SGB 6391.3 R23 .0146 R13 -.9767
 SG1 6379.5 SG2 387.4 THA 178.69

ORBIT DETERMINATION ACCURACY

ST 3335.1 SR 409.9 SS 992.3
 CRT -.8668 CRS .8455 CST -.9991
 LSA 3497.4 MSA 208.2 SSA 12.5
 EL1 3354.1 EL2 203.2 ALF 173.90

LAUNCH DATE JUN 3 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 616.216

RL 151.74 LAL -0.00 LOL 251.75 VL 26.076 GAL 13.27 AZL 93.52 HCA 296.73 SMA 124.12 ECC .31560 INC 3.5211 V1 29.361
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.320 GAP 16.83 AZP 91.59 TAL 146.61 TAP 83.34 RCA 84.95 APO 163.29 V2 35.151
 RC 167.829 GL -12.54 GP -1.04 ZAL 37.00 ZAP 176.75 ETS 340.04 ZAE 123.15 ETE 181.08 ZAC 74.60 ETC 13.62 CLP-176.92

PLANETOCENTRIC CONIC

C3 51.502 VHL 7.177 DLA -25.54 RAL 209.78 RAD 6568.9 VEL 13.148 PTH 2.40 VHP 10.620 DPA -2.71 RAP 191.45 ECC 1.8476
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 45 56 1490.10 2.09 359.35 88.35 118.25 13 10 46 890.1 5.85 352.69
 90.00 16 25 43 765.51 22.49 316.07 97.13 107.68 16 38 28 165.5 24.69 308.09
 100.00 13 42 22 1307.88 -.53 344.51 86.90 119.89 14 4 10 707.9 3.46 337.99
 100.00 18 11 58 5711.00 25.34 269.73 98.09 106.41 19 47 9 5111.0 27.35 261.50
 110.00 14 4 43 1237.78 -6.06 335.77 83.47 123.71 14 25 21 637.8 -1.59 329.54
 110.00 20 6 7 5353.86 31.63 244.53 100.01 103.70 21 35 21 4753.9 33.19 235.65

DIFFERENTIAL CORRECTIONS

TDE-3.5773 TRA 6.1004 TC3-1.2676 BAU .8730
 RDE .5126 RRA .0151 RC3 -.0294 FAU .00697
 FDE-1.1268 FRA 2.1060 FC3 -.1171 BSP 20831
 BDE 3.6138 BRA 6.1005 BC3 1.2680 FSP -614

MID-COURSE EXECUTION ACCURACY

SGT 6372.0 SGR 411.7 SG3 179.4
 RRT -.3888 RRF -.3934 RTF .9777
 SGB 6385.3 R23 .0129 R13 -.9777
 SG1 6374.0 SG2 379.2 THA 178.56

ORBIT DETERMINATION ACCURACY

ST 3283.6 SR 409.3 SS 971.8
 CRT -.8649 CRS .8441 CST -.9991
 LSA 3442.4 MSA 208.8 SSA 12.1
 EL1 3302.7 EL2 204.3 ALF 173.82

LAUNCH DATE JUN 4 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 13 1967

HELIOCENTRIC CONIC

DISTANCE 149.878

RL 151.76 LAL -0.00 LOL 252.71 VL 20.594 GAL 6.39 AZL 93.24 HCA 56.43 SMA 100.17 ECC .52377 INC 3.2427 V1 29.357
 RP 108.94 LAP -2.70 LOP 309.10 VP 33.340 GAP -31.22 AZP 91.79 TAL 174.13 TAP 230.56 RCA 47.71 APO 152.64 V2 34.784
 RC 49.035 GL -7.21 GP .41 ZAL 77.20 ZAP 19.95 ETS 182.13 ZAE 162.62 ETE 146.30 ZAC 115.33 ETC 16.99 CLP 19.94

PLANETOCENTRIC CONIC

C3 85.129 VHL 9.227 OLA -4.87 RAL 173.11 RAD 6569.7 VEL 14.369 PTH 2.61 VHP 18.395 DPA 15.22 RAP 152.50 ECC 2.4010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 54 2418.13 -23.93 54.80 57.66 105.61 7 23 12 1818.1 -21.56 46.93
 90.00 17 28 20 5365.09 27.79 245.04 62.00 84.34 18 57 45 4765.1 26.72 236.54
 100.00 8 1 57 2163.12 -25.37 35.60 57.20 106.37 8 38 0 1563.1 -22.88 27.68
 100.00 18 51 58 5095.33 29.28 225.02 61.83 83.68 20 16 53 4495.3 28.09 216.42
 110.00 9 4 56 1965.91 -29.24 19.26 55.83 108.55 9 37 42 1365.9 -26.43 11.20
 110.00 20 5 28 4865.30 33.31 206.96 61.23 81.82 21 26 33 4265.3 31.82 198.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4974 TRA-1.1676 TC3 -.0680 BAU .0926 SGT 800.5 SGR 443.6 SG3 40.4 ST 378.3 SR 395.2 SS 344.5
 RDE -.6296 RRA -.3092 RC3 .0446 FAU .01605 RRT .0257 RRF -.0243 RTF -.6415 CRT -.7234 CRS -.8397 CST .9807
 FDE -.3177 FRA .4780 FC3 -.1632 BSP 2103 SGB 915.1 R23 -.0005 R13 -.6415 LSA 610.8 MSA 211.5 SSA 14.1
 BDE .8024 BRA 1.2079 BC3 .0813 FSP -85 SG1 800.6 SG2 443.3 THA 1.18 EL1 507.9 EL2 203.2 ALF 133.27

LAUNCH DATE JUN 4 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 156.207

RL 151.76 LAL -0.00 LOL 252.71 VL 21.122 GAL 6.10 AZL 93.26 HCA 59.59 SMA 101.87 ECC .49853 INC 3.2594 V1 29.357
 RP 108.94 LAP -2.81 LOP 312.26 VP 33.668 GAP -29.66 AZP 91.65 TAL 173.79 TAP 233.38 RCA 51.08 APO 152.65 V2 34.784
 RC 47.750 GL -7.88 GP .42 ZAL 76.73 ZAP 18.36 ETS 182.19 ZAE 163.96 ETE 140.94 ZAC 113.81 ETC 16.70 CLP 18.36

PLANETOCENTRIC CONIC

C3 75.777 VHL 8.705 OLA -5.69 RAL 173.29 RAD 6569.5 VEL 14.040 PTH 2.56 VHP 17.550 DPA 14.70 RAP 154.04 ECC 2.2471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 50 2365.80 -22.93 51.29 55.67 107.09 7 29 16 1765.8 -20.37 43.55
 90.00 17 22 52 5364.21 27.79 244.97 60.57 84.31 18 52 16 4764.2 26.71 236.47
 100.00 8 8 29 2112.08 -24.34 32.15 55.18 107.91 8 43 41 1512.1 -21.67 24.38
 100.00 18 46 54 5093.16 29.26 224.86 60.39 83.60 20 11 47 4493.2 28.07 216.26
 110.00 9 10 34 1917.72 -28.15 15.93 53.72 110.24 9 42 32 1317.7 -25.13 8.06
 110.00 20 1 19 4860.29 33.26 206.58 59.78 81.60 21 22 19 4260.3 31.74 197.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4973 TRA-1.1526 TC3 -.0626 BAU .0818 SGT 836.8 SGR 447.4 SG3 44.2 ST 399.3 SR 397.5 SS 365.2
 RDE -.5975 RRA -.2932 RC3 .0510 FAU .01655 RRT .0253 RRF -.0245 RTF -.6619 CRT -.7271 CRS -.8445 CST .9801
 FDE -.3344 FRA .4905 FC3 -.1890 BSP 2249 SGB 948.9 R23 -.0011 R13 -.6619 LSA 636.1 MSA 214.8 SSA 14.3
 BDE .7774 BRA 1.1893 BC3 .0808 FSP -95 SG1 836.9 SG2 447.2 THA 1.08 EL1 523.6 EL2 208.1 ALF 135.18

LAUNCH DATE JUN 4 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 162.593

RL 151.76 LAL -0.00 LOL 252.71 VL 21.612 GAL 5.80 AZL 93.28 HCA 62.75 SMA 103.53 ECC .47441 INC 3.2751 V1 29.357
 RP 108.94 LAP -2.91 LOP 315.42 VP 33.978 GAP -28.18 AZP 91.50 TAL 173.50 TAP 236.25 RCA 54.41 APO 152.64 V2 34.785
 RC 46.594 GL -8.60 GP .44 ZAL 76.35 ZAP 16.79 ETS 182.29 ZAE 165.27 ETE 134.26 ZAC 112.28 ETC 16.42 CLP 16.78

PLANETOCENTRIC CONIC

C3 67.524 VHL 8.217 OLA -6.50 RAL 173.38 RAD 6569.3 VEL 13.743 PTH 2.51 VHP 16.739 DPA 14.17 RAP 155.58 ECC 2.1113
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 22 2313.00 -21.83 47.81 53.61 108.50 7 34 55 1713.0 -19.10 40.20
 90.00 17 16 59 5362.75 27.78 244.87 58.98 84.26 18 46 22 4762.8 26.69 236.37
 100.00 8 14 37 2060.58 -23.22 28.74 53.09 109.37 8 48 58 1460.6 -20.37 21.10
 100.00 18 41 26 5090.41 29.24 224.66 58.80 83.50 20 6 16 4490.4 28.03 216.07
 110.00 9 15 47 1869.07 -26.96 12.65 51.54 111.86 9 46 56 1269.1 -23.75 4.96
 110.00 19 56 45 4854.68 33.20 206.15 58.19 81.35 21 17 40 4254.7 31.65 197.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4980 TRA-1.1362 TC3 -.0544 BAU .0719 SGT 874.3 SGR 450.5 SG3 48.5 ST 421.6 SR 399.1 SS 387.1
 RDE -.5662 RRA -.2775 RC3 .0582 FAU .01710 RRT .0245 RRF -.0244 RTF -.6817 CRT -.7316 CRS -.8496 CST .9797
 FDE -.3523 FRA .5026 FC3 -.2193 BSP 2407 SGB 983.5 R23 -.0017 R13 -.6818 LSA 662.9 MSA 217.4 SSA 14.6
 BDE .7540 BRA 1.1696 BC3 .0797 FSP -107 SG1 874.4 SG2 450.3 THA .98 EL1 540.4 EL2 212.3 ALF 137.15

LAUNCH DATE JUN 4 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 169.032

RL 151.76 LAL -0.00 LOL 252.71 VL 22.066 GAL 5.50 AZL 93.29 HCA 65.91 SMA 105.16 ECC .45143 INC 3.2898 V1 29.357
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.271 GAP -26.76 AZP 91.34 TAL 173.25 TAP 239.16 RCA 57.69 APO 152.63 V2 34.786
 RC 45.578 GL -9.35 GP .46 ZAL 76.08 ZAP 15.21 ETS 182.42 ZAE 166.46 ETE 125.96 ZAC 110.74 ETC 16.15 CLP 15.21

PLANETOCENTRIC CONIC

C3 60.239 VHL 7.761 OLA -7.31 RAL 173.35 RAD 6569.1 VEL 13.476 PTH 2.46 VHP 15.960 DPA 13.62 RAP 157.12 ECC 1.9914
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 30 2259.86 -20.64 44.37 51.48 109.83 7 40 10 1659.9 -17.75 36.89
 90.00 17 10 40 5360.91 27.76 244.74 57.26 84.19 18 40 1 4760.9 26.67 236.24
 100.00 8 20 20 2008.75 -22.01 25.36 50.93 110.75 8 53 49 1408.7 -18.99 17.87
 100.00 18 35 31 5087.25 29.22 224.43 57.08 83.38 20 0 18 4487.2 27.99 215.84
 110.00 9 20 34 1820.13 -25.68 9.42 49.31 113.38 9 50 55 1220.1 -22.29 1.91
 110.00 19 51 46 4848.63 33.14 205.69 56.45 81.08 21 12 34 4248.6 31.55 196.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4969 TRA-1.1213 TC3 -.0445 BAU .0642 SGT 914.2 SGR 452.8 SG3 53.1 ST 444.1 SR 399.9 SS 410.0
 RDE -.5358 RRA -.2620 RC3 .0661 FAU .01770 RRT .0255 RRF -.0246 RTF -.6991 CRT -.7346 CRS -.8547 CST .9787
 FDE -.3712 FRA .5146 FC3 -.2544 BSP 2509 SGB 1020.2 R23 -.0009 R13 -.6992 LSA 690.4 MSA 219.9 SSA 14.9
 BDE .7307 BRA 1.1515 BC3 .0797 FSP -119 SG1 914.3 SG2 452.6 THA .96 EL1 557.1 EL2 216.3 ALF 139.07

LAUNCH DATE JUN 4 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 175.518

RL 151.76 LAL -0.00 LOL 252.71 VL 22.488 GAL 5.18 AZL 93.30 MCA 69.08 SMA 106.75 ECC .42958 INC 3.3039 V1 29.357
 RP 108.93 LAP -3.09 LOP 321.75 VP 34.546 GAP -25.42 AZP 91.18 TAL 173.04 TAP 242.12 RCA 60.89 APO 152.60 V2 34.788
 RC 44.711 GL -10.13 GP .48 ZAL 75.92 ZAP 13.64 ETS 182.62 ZAE 167.39 ETE 115.81 ZAC 109.21 ETC 15.90 CLP 13.64

PLANETOCENTRIC CONIC

C3 53.809 VHL 7.335 OLA -8.11 RAL 173.21 RAD 6568.9 VEL 13.235 PTH 2.42 VHP 15.212 DPA 13.07 RAP 158.65 ECC 1.8856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 12 2206.52 -19.37 40.97 49.28 111.07 7 44 58 1606.5 -16.34 33.61
 90.00 17 3 53 5358.84 27.75 244.59 55.40 84.12 18 33 12 4758.8 26.64 236.09
 100.00 8 25 37 1956.75 -20.72 22.04 48.72 112.04 8 58 14 1356.7 -17.55 14.68
 100.00 18 29 9 5083.85 29.19 224.18 55.22 83.25 19 53 52 4483.8 27.95 215.60
 110.00 9 24 55 1771.06 -24.32 6.26 47.03 114.80 9 54 26 1171.1 -20.77 358.92
 110.00 19 46 20 4842.30 33.07 205.21 54.58 80.81 21 7 2 4242.3 31.45 196.36

DIFFERENTIAL CORRECTIONS

TOE .4983 TRA-1.1031 TC3 -.0299 BAU .0580
 RDE -.5064 RRA -.2469 RC3 .0748 FAU .01838
 FDE -.3917 FRA .5261 FC3 -.2958 BSP 2666
 BOE .7104 BRA 1.1303 BC3 .0806 FSP -133

MID-COURSE EXECUTION ACCURACY

SGT 954.4 SGR 454.3 SG3 58.2
 RRT .0248 RRF -.0244 RTF -.7172
 SGB 1057.0 R23 -.0014 R13 -.7172
 SG1 954.4 SG2 454.1 THA .88

ORBIT DETERMINATION ACCURACY

ST 468.7 SR 399.8 SS 434.5
 CRT -.7401 CRS -.8602 CST .9783
 LSA 720.5 MSA 221.1 SSA 15.1
 EL1 575.9 EL2 218.8 ALF 141.08

LAUNCH DATE JUN 4 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 182.047

RL 151.76 LAL -0.00 LOL 252.71 VL 22.880 GAL 4.87 AZL 93.32 MCA 72.24 SMA 108.29 ECC .40884 INC 3.3174 V1 29.357
 RP 108.92 LAP -3.16 LOP 324.92 VP 34.805 GAP -24.13 AZP 91.01 TAL 172.89 TAP 245.13 RCA 64.02 APO 152.57 V2 34.791
 RC 44.000 GL -10.96 GP .50 ZAL 75.86 ZAP 12.07 ETS 182.90 ZAE 167.95 ETE 103.96 ZAC 107.67 ETC 15.67 CLP 12.06

PLANETOCENTRIC CONIC

C3 48.134 VHL 6.938 OLA -8.90 RAL 172.97 RAD 6568.8 VEL 13.019 PTH 2.38 VHP 14.492 DPA 12.52 RAP 160.18 ECC 1.7922
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 28 2153.17 -18.03 37.63 47.04 112.21 7 49 21 1553.2 -14.86 30.39
 90.00 16 56 38 5356.74 27.73 244.43 53.42 84.04 18 25 54 4756.7 26.62 235.94
 100.00 8 30 28 1904.76 -19.36 18.78 46.46 113.23 9 2 13 1304.8 -16.05 11.55
 100.00 18 22 19 5080.39 29.16 223.93 53.24 83.12 19 46 59 4480.4 27.90 215.35
 110.00 9 28 49 1722.03 -22.88 3.18 44.72 116.12 9 57 31 1122.0 -19.18 355.99
 110.00 19 40 26 4835.88 33.00 204.72 52.59 80.53 21 1 2 4235.9 31.34 195.89

DIFFERENTIAL CORRECTIONS

TOE .5007 TRA-1.0834 TC3 -.0106 BAU .0547
 RDE -.4778 RRA -.2321 RC3 .0844 FAU .01914
 FDE -.4141 FRA .5369 FC3 -.3443 BSP 2832
 BOE .6921 BRA 1.1080 BC3 .0850 FSP -148

MID-COURSE EXECUTION ACCURACY

SGT 995.7 SGR 455.0 SG3 63.9
 RRT .0238 RRF -.0240 RTF -.7347
 SGB 1094.7 R23 -.0019 R13 -.7347
 SG1 995.7 SG2 454.9 THA .79

ORBIT DETERMINATION ACCURACY

ST 494.8 SR 398.9 SS 460.5
 CRT -.7467 CRS -.8660 CST .9780
 LSA 752.8 MSA 221.4 SSA 15.4
 EL1 596.2 EL2 220.2 ALF 143.11

LAUNCH DATE JUN 4 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 188.615

RL 151.76 LAL -0.00 LOL 252.71 VL 23.242 GAL 4.55 AZL 93.33 MCA 75.40 SMA 109.79 ECC .38922 INC 3.3305 V1 29.357
 RP 108.91 LAP -3.22 LOP 328.09 VP 35.048 GAP -22.90 AZP 90.84 TAL 172.79 TAP 248.19 RCA 67.06 APO 152.53 V2 34.795
 RC 43.455 GL -11.83 GP .53 ZAL 75.92 ZAP 10.49 ETS 183.31 ZAE 168.01 ETE 91.09 ZAC 106.14 ETC 15.44 CLP 10.48

PLANETOCENTRIC CONIC

C3 43.128 VHL 6.567 OLA -9.69 RAL 172.60 RAD 6568.6 VEL 12.826 PTH 2.33 VHP 13.800 DPA 11.96 RAP 161.69 ECC 1.7098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 18 2099.98 -16.63 34.35 44.75 113.25 7 53 18 1500.0 -13.34 27.22
 90.00 16 48 53 5354.77 27.72 244.29 51.33 83.97 18 18 8 4754.8 26.59 235.81
 100.00 8 34 52 1852.95 -17.93 15.59 44.15 114.32 9 5 45 1253.0 -14.50 8.48
 100.00 18 15 0 5077.04 29.13 223.68 51.14 82.99 19 39 37 4477.0 27.86 215.11
 110.00 9 32 16 1673.22 -21.39 .18 42.38 117.32 10 0 9 1073.2 -17.55 353.15
 110.00 19 34 6 4829.53 32.93 204.24 50.49 80.25 20 54 35 4229.5 31.23 195.42

DIFFERENTIAL CORRECTIONS

TOE .5035 TRA-1.0627 TC3 .0131 BAU .0552
 RDE -.4503 RRA -.2177 RC3 .0948 FAU .01999
 FDE -.4383 FRA .5475 FC3 -.4012 BSP 2992
 BOE .6754 BRA 1.0848 BC3 .0957 FSP -165

MID-COURSE EXECUTION ACCURACY

SGT 1038.2 SGR 454.9 SG3 70.1
 RRT .0230 RRF -.0236 RTF -.7510
 SGB 1133.5 R23 -.0023 R13 -.7510
 SG1 1038.3 SG2 454.8 THA .71

ORBIT DETERMINATION ACCURACY

ST 522.1 SR 397.1 SS 488.2
 CRT -.7536 CRS -.8720 CST .9778
 LSA 787.1 MSA 221.0 SSA 15.6
 EL1 617.7 EL2 220.6 ALF 145.09

LAUNCH DATE JUN 4 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 195.215

RL 151.76 LAL -0.00 LOL 252.71 VL 23.579 GAL 4.24 AZL 93.34 MCA 78.56 SMA 111.24 ECC .37070 INC 3.3431 V1 29.357
 RP 108.90 LAP -3.28 LOP 331.26 VP 35.276 GAP -21.73 AZP 90.66 TAL 172.74 TAP 251.30 RCA 70.01 APO 152.48 V2 34.799
 RC 43.079 GL -12.73 GP .56 ZAL 76.08 ZAP 8.90 ETS 183.92 ZAE 167.51 ETE 78.39 ZAC 104.61 ETC 15.23 CLP 8.89

PLANETOCENTRIC CONIC

C3 38.715 VHL 6.222 OLA -10.47 RAL 172.12 RAD 6568.5 VEL 12.652 PTH 2.30 VHP 13.135 DPA 11.40 RAP 163.19 ECC 1.6371
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 42 2047.15 -15.19 31.15 42.43 114.19 7 56 49 1447.2 -11.79 24.12
 90.00 16 40 40 5353.11 27.71 244.17 49.14 83.91 18 9 53 4753.1 26.58 235.69
 100.00 8 38 50 1801.53 -16.47 12.48 41.82 115.31 9 8 51 1201.5 -12.92 5.48
 100.00 18 7 13 5073.96 29.11 223.46 48.95 82.88 19 31 47 4474.0 27.82 214.89
 110.00 9 35 15 1624.85 -19.85 357.27 40.02 118.42 10 2 20 1024.9 -15.90 350.38
 110.00 19 27 17 4823.41 32.85 203.77 48.30 79.98 20 47 40 4223.4 31.12 194.98

DIFFERENTIAL CORRECTIONS

TOE .5070 TRA-1.0406 TC3 .0425 BAU .0591
 RDE -.4238 RRA -.2038 RC3 .1060 FAU .02092
 FDE -.4648 FRA .5576 FC3 -.4679 BSP 3155
 BOE .6608 BRA 1.0604 BC3 .1142 FSP -185

MID-COURSE EXECUTION ACCURACY

SGT 1081.8 SGR 454.0 SG3 77.0
 RRT .0219 RRF -.0232 RTF -.7667
 SGB 1173.2 R23 -.0028 R13 -.7667
 SG1 1081.9 SG2 453.8 THA .64

ORBIT DETERMINATION ACCURACY

ST 550.8 SR 394.4 SS 517.6
 CRT -.7614 CRS -.8782 CST .9777
 LSA 823.6 MSA 219.8 SSA 15.9
 EL1 640.9 EL2 219.8 ALF 147.04

LAUNCH DATE JUN 4 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 201.844

RL 151.76 LAL -.00 LOL 252.71 VL 23.890 GAL 3.93 AZL 93.36 MCA 81.73 SMA 112.64 ECC .35324 INC 3.3555 V1 29.357
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.490 GAP -20.60 AZP 90.48 TAL 172.74 TAP 254.47 RCA 72.85 APO 152.43 V2 34.804
 RC 42.876 GL -13.67 GP .59 ZAL 76.36 ZAP 7.30 ETS 184.86 ZAE 166.49 ETE 66.94 ZAC 103.10 ETC 15.03 CLP 7.28

PLANETOCENTRIC CONIC

C3 34.827 VHL 5.901 DLA -11.24 RAL 171.52 RAD 6568.4 VEL 12.498 PTH 2.26 VHP 12.495 DPA 10.84 RAP 164.67 ECC 1.5732
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 38 1994.89 -13.70 28.03 40.08 115.02 7 59 53 1394.9 -10.22 21.08
 90.00 16 31 57 5351.90 27.70 244.08 46.86 83.87 18 1 9 4751.9 26.56 235.60
 100.00 8 42 19 1750.71 -14.96 9.45 39.46 116.18 9 11 30 1150.7 -11.32 2.55
 100.00 17 58 57 5071.31 29.09 223.26 46.68 82.78 19 23 28 4471.3 27.78 214.70
 110.00 9 37 45 1577.12 -18.27 354.46 37.64 119.40 10 4 2 977.1 -14.22 347.69
 110.00 19 20 0 4817.67 32.79 203.34 46.01 79.74 20 40 18 4217.7 31.02 194.56

DIFFERENTIAL CORRECTIONS

TDE .5115 TRA -1.0172 TC3 .0782 BAU .0659
 RDE -.3983 RRA -.1904 RC3 .1180 FAU .02198
 FDE -.4942 FRA .5672 FC3 -.5463 BSP 3327
 BDE .6483 BRA 1.0348 BC3 .1415 FSP -206

MID-COURSE EXECUTION ACCURACY

SGT 1126.4 SGR 452.1 SG3 84.7
 RRT .0208 RRF -.0226 RTF -.7815
 SGB 1213.8 R23 -.0033 R13 -.7815
 SG1 1126.5 SG2 452.0 THA .57

ORBIT DETERMINATION ACCURACY

ST 581.2 SR 390.8 SS 549.4
 CRT -.7701 CRS -.8846 CST .9777
 LSA 863.0 MSA 217.8 SSA 16.1
 EL1 665.7 EL2 217.7 ALF 148.94

LAUNCH DATE JUN 4 1967

FLIGHT TIME 88.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 208.497

RL 151.76 LAL -.00 LOL 252.71 VL 24.179 GAL 3.63 AZL 93.37 MCA 84.89 SMA 113.98 ECC .33683 INC 3.3677 V1 29.357
 RP 108.87 LAP -3.35 LOP 337.59 VP 35.690 GAP -19.52 AZP 90.30 TAL 172.80 TAP 257.69 RCA 75.59 APO 152.37 V2 34.809
 RC 42.849 GL -14.65 GP .62 ZAL 76.75 ZAP 5.69 ETS 186.42 ZAE 165.07 ETE 57.29 ZAC 101.60 ETC 14.85 CLP 5.66

PLANETOCENTRIC CONIC

C3 31.407 VHL 5.604 DLA -12.00 RAL 170.81 RAD 6568.3 VEL 12.360 PTH 2.23 VHP 11.879 DPA 10.28 RAP 166.14 ECC 1.5169
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 8 1943.39 -12.20 24.99 37.71 115.75 8 2 31 1343.4 -8.64 18.13
 90.00 16 22 46 5351.28 27.69 244.04 44.51 83.85 17 51 57 4751.3 26.55 235.56
 100.00 8 45 21 1700.69 -13.44 6.52 37.08 116.95 9 13 42 1100.7 -9.72 359.71
 100.00 17 50 13 5069.22 29.07 223.11 44.33 82.70 19 14 42 4469.2 27.75 214.55
 110.00 9 39 47 1530.23 -16.69 351.75 35.24 120.28 10 5 17 930.2 -12.54 345.10
 110.00 19 12 17 4812.44 32.72 202.94 43.66 79.51 20 32 29 4212.4 30.93 194.18

DIFFERENTIAL CORRECTIONS

TDE .5167 TRA -.9923 TC3 .1212 BAU .0748
 RDE -.3739 RRA -.1775 RC3 .1307 FAU .02316
 FDE -.5265 FRA .5761 FC3 -.6384 BSP 3503
 BDE .6378 BRA 1.0080 BC3 .1782 FSP -231

MID-COURSE EXECUTION ACCURACY

SGT 1171.8 SGR 449.4 SG3 93.2
 RRT .0197 RRF -.0221 RTF -.7957
 SGB 1255.1 R23 -.0038 R13 -.7957
 SG1 1171.9 SG2 449.3 THA .51

ORBIT DETERMINATION ACCURACY

ST 613.1 SR 386.3 SS 583.2
 CRT -.7794 CRS -.8912 CST .9779
 LSA 904.9 MSA 215.0 SSA 16.3
 EL1 692.2 EL2 214.4 ALF 150.77

LAUNCH DATE JUN 4 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 215.171

RL 151.76 LAL -.00 LOL 252.71 VL 24.445 GAL 3.34 AZL 93.38 MCA 88.06 SMA 115.26 ECC .32144 INC 3.3798 V1 29.357
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.877 GAP -18.49 AZP 90.11 TAL 172.91 TAP 260.97 RCA 78.21 APO 152.31 V2 34.815
 RC 42.995 GL -15.66 GP .66 ZAL 77.25 ZAP 4.07 ETS 189.40 ZAE 163.38 ETE 49.46 ZAC 100.11 ETC 14.67 CLP 4.01

PLANETOCENTRIC CONIC

C3 28.400 VHL 5.329 DLA -12.75 RAL 169.98 RAD 6568.1 VEL 12.238 PTH 2.20 VHP 11.287 DPA 9.73 RAP 167.57 ECC 1.4674
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 9 1892.88 -10.69 22.05 35.31 116.38 8 4 42 1292.9 -7.06 15.25
 90.00 16 13 7 5351.36 27.70 244.04 42.10 83.85 17 42 18 4751.4 26.55 235.56
 100.00 8 47 55 1651.69 -11.91 3.69 34.68 117.62 9 15 26 1051.7 -8.12 356.95
 100.00 17 41 2 5067.79 29.05 223.01 41.92 82.64 19 5 30 4467.8 27.73 214.45
 110.00 9 41 19 1484.41 -15.10 349.16 32.84 121.04 10 6 4 884.4 -10.87 342.60
 110.00 19 4 7 4807.83 32.66 202.60 41.25 79.31 20 24 15 4207.8 30.85 193.85

DIFFERENTIAL CORRECTIONS

TDE .5226 TRA -.9662 TC3 .1709 BAU .0849
 RDE -.3506 RRA -.1651 RC3 .1441 FAU .02447
 FDE -.5624 FRA .5846 FC3 -.7459 BSP 3674
 BDE .6293 BRA .9802 BC3 .2235 FSP -258

MID-COURSE EXECUTION ACCURACY

SGT 1217.9 SGR 445.9 SG3 102.7
 RRT .0185 RRF -.0216 RTF -.8088
 SGB 1296.9 R23 -.0044 R13 -.8089
 SG1 1217.9 SG2 445.8 THA .45

ORBIT DETERMINATION ACCURACY

ST 646.4 SR 380.9 SS 619.5
 CRT -.7893 CRS -.8978 CST .9781
 LSA 949.6 MSA 211.5 SSA 16.6
 EL1 720.3 EL2 209.9 ALF 152.53

LAUNCH DATE JUN 4 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 221.860

RL 151.76 LAL -.00 LOL 252.71 VL 24.691 GAL 3.05 AZL 93.39 MCA 91.23 SMA 116.49 ECC .30705 INC 3.3918 V1 29.357
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.052 GAP -17.49 AZP 89.93 TAL 173.07 TAP 264.30 RCA 80.72 APO 152.25 V2 34.822
 RC 43.312 GL -16.70 GP .70 ZAL 77.86 ZAP 2.44 ETS 196.67 ZAE 161.52 ETE 43.19 ZAC 98.66 ETC 14.51 CLP 2.34

PLANETOCENTRIC CONIC

C3 25.761 VHL 5.076 DLA -13.48 RAL 169.04 RAD 6568.0 VEL 12.130 PTH 2.17 VHP 10.717 DPA 9.18 RAP 168.99 ECC 1.4240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 43 1843.58 -9.18 19.21 32.91 116.90 8 6 26 1243.6 -5.50 12.47
 90.00 16 3 2 5352.20 27.70 244.11 39.64 83.88 17 32 14 4752.2 26.56 235.62
 100.00 8 50 0 1603.90 -10.39 .96 32.27 118.19 9 16 44 1003.9 -6.54 354.28
 100.00 17 31 26 5067.10 29.05 222.95 39.45 82.62 18 55 53 4467.1 27.72 214.40
 110.00 9 42 22 1439.86 -13.52 346.67 30.43 121.70 10 6 22 839.9 -9.23 340.20
 110.00 18 55 33 4803.92 32.61 202.30 38.79 79.15 20 15 36 4203.9 30.77 193.57

DIFFERENTIAL CORRECTIONS

TDE .5291 TRA -.9387 TC3 .2284 BAU .0957
 RDE -.3284 RRA -.1534 RC3 .1580 FAU .02593
 FDE -.6022 FRA .5923 FC3 -.8715 BSP 3842
 BDE .6227 BRA .9511 BC3 .2778 FSP -288

MID-COURSE EXECUTION ACCURACY

SGT 1264.1 SGR 441.4 SG3 113.2
 RRT .0175 RRF -.0213 RTF -.8212
 SGB 1338.9 R23 -.0049 R13 -.8212
 SG1 1264.1 SG2 441.3 THA .40

ORBIT DETERMINATION ACCURACY

ST 680.9 SR 374.6 SS 658.2
 CRT -.7995 CRS -.9045 CST .9785
 LSA 997.0 MSA 207.5 SSA 16.8
 EL1 749.8 EL2 204.3 ALF 154.20

LAUNCH DATE JUN 4 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 228.562

RL 151.76 LAL -.00 LOL 252.71 VL 24.919 GAL 2.77 AZL 93.40 HCA 94.40 SMA 117.65 ECC .29361 INC 3.4039 V1 29.357
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.215 GAP -16.54 AZP 89.74 TAL 173.29 TAP 267.68 RCA 83.11 APO 152.20 V2 34.830
 RC 43.796 GL -17.77 GP .75 ZAL 78.57 ZAP .98 ETS 229.66 ZAE 159.61 ETE 38.16 ZAC 97.23 ETC 14.36 CLP .63

PLANETOCENTRIC CONIC

C3 23.448 VHL 4.842 DLA -14.19 RAL 167.99 RAD 6568.0 VEL 12.034 PTH 2.15 VHP 10.169 DPA 8.65 RAP 170.37 ECC 1.3859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 48 1795.69 -7.70 16.48 30.50 117.33 8 7 44 1195.7 -3.97 9.78
 90.00 15 52 33 5353.86 27.71 244.23 37.14 83.94 17 21 47 4753.9 26.58 235.74
 100.00 8 51 36 1557.59 -8.88 358.34 29.86 118.66 9 17 33 957.6 -4.99 351.71
 100.00 17 21 27 5067.19 29.05 222.96 36.96 82.62 18 45 54 4467.2 27.72 214.41
 110.00 9 42 56 1396.78 -11.96 344.30 28.02 122.26 10 6 13 796.8 -7.62 337.90
 110.00 18 46 36 4800.77 32.57 202.07 36.29 79.01 20 6 36 4200.8 30.72 193.34

DIFFERENTIAL CORRECTIONS

TDE .5359 TRA -.9100 TC3 .2940 BAU .1068
 RDE -.3073 RRA -.1422 RC3 .1723 FAU .02759
 FDE -.6466 FRA .5996 FC3-1.0186 BSP 4011
 BDE .6178 BRA .9211 BC3 .3408 FSP -323

MID-COURSE EXECUTION ACCURACY

SGT 1310.2 SGR 436.1 SG3 125.0
 RRT .0171 RRF -.0214 RTF -.8327
 SGB 1380.9 R23 -.0054 R13 -.8327
 SG1 1310.3 SG2 436.0 THA .37

ORBIT DETERMINATION ACCURACY

ST 716.4 SR 367.3 SS 699.8
 CRT -.8101 CRS -.9112 CST .9789
 LSA 1047.1 MSA 203.0 SSA 17.0
 EL1 780.4 EL2 197.7 ALF 155.79

LAUNCH DATE JUN 4 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 235.272

RL 151.76 LAL -.00 LOL 252.71 VL 25.128 GAL 2.51 AZL 93.42 HCA 97.57 SMA 118.76 ECC .28110 INC 3.4160 V1 29.357
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.368 GAP -15.62 AZP 89.55 TAL 173.55 TAP 271.12 RCA 85.87 APO 152.14 V2 34.838
 RC 44.440 GL -18.85 GP .80 ZAL 79.37 ZAP 1.37 ETS 324.14 ZAE 157.71 ETE 34.11 ZAC 95.84 ETC 14.22 CLP -1.11

PLANETOCENTRIC CONIC

C3 21.425 VHL 4.629 DLA -14.88 RAL 166.83 RAD 6567.9 VEL 11.950 PTH 2.13 VHP 9.643 DPA 8.14 RAP 171.71 ECC 1.3526
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 25 1749.43 -6.24 13.86 28.09 117.68 8 8 35 1149.4 -2.49 7.19
 90.00 15 41 45 5356.33 27.73 244.40 34.62 84.03 17 11 1 4756.3 26.61 235.92
 100.00 8 52 44 1512.91 -7.42 355.83 27.45 119.04 9 17 56 912.9 -3.49 349.25
 100.00 17 11 7 5068.08 29.06 223.03 34.44 82.65 18 35 36 4468.1 27.74 214.47
 110.00 9 43 1 1355.37 -10.45 342.05 25.62 122.73 10 5 37 755.4 -6.06 335.71
 110.00 18 37 19 4798.39 32.54 201.89 33.78 78.91 19 57 18 4198.4 30.67 193.17

DIFFERENTIAL CORRECTIONS

TDE .5448 TRA -.8798 TC3 .3691 BAU .1185
 RDE -.2872 RRA -.1316 RC3 .1868 FAU .02944
 FDE -.6965 FRA .6059 FC3-1.1895 BSP 4204
 BDE .6158 BRA .8896 BC3 .4137 FSP -361

MID-COURSE EXECUTION ACCURACY

SGT 1357.0 SGR 429.8 SG3 138.2
 RRT .0160 RRF -.0215 RTF -.8442
 SGB 1423.4 R23 -.0065 R13 -.8442
 SG1 1357.0 SG2 429.8 THA .32

ORBIT DETERMINATION ACCURACY

ST 754.4 SR 359.2 SS 744.5
 CRT -.8216 CRS -.9178 CST .9796
 LSA 1101.3 MSA 197.9 SSA 17.2
 EL1 813.7 EL2 189.9 ALF 157.34

LAUNCH DATE JUN 4 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 241.988

RL 151.76 LAL -.00 LOL 252.71 VL 25.321 GAL 2.25 AZL 93.43 HCA 100.74 SMA 119.80 ECC .26949 INC 3.4284 V1 29.357
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.509 GAP -14.73 AZP 89.36 TAL 173.86 TAP 274.60 RCA 87.52 APO 152.08 V2 34.846
 RC 45.237 GL -19.95 GP .86 ZAL 80.27 ZAP 3.03 ETS 343.31 ZAE 155.87 ETE 30.81 ZAC 94.49 ETC 14.09 CLP -2.90

PLANETOCENTRIC CONIC

C3 19.658 VHL 4.434 DLA -15.54 RAL 165.59 RAD 6567.8 VEL 11.876 PTH 2.11 VHP 9.137 DPA 7.64 RAP 173.01 ECC 1.3235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 35 1704.99 -4.83 11.36 25.69 117.94 8 9 0 1105.0 -1.06 4.71
 90.00 15 30 39 5359.62 27.75 244.64 32.09 84.14 16 59 58 4759.6 26.65 236.15
 100.00 8 53 23 1470.08 -5.99 353.45 25.05 119.34 9 17 53 870.1 -2.04 346.89
 100.00 17 0 32 5069.75 29.07 223.15 31.91 82.72 18 25 2 4469.8 27.76 214.59
 110.00 9 42 38 1315.82 -8.98 339.92 23.23 123.12 10 4 34 715.8 -4.56 333.62
 110.00 18 27 46 4796.79 32.52 201.77 31.26 78.84 19 47 43 4196.8 30.64 193.05

DIFFERENTIAL CORRECTIONS

TDE .5534 TRA -.8489 TC3 .4507 BAU .1297
 RDE -.2682 RRA -.1217 RC3 .2014 FAU .03155
 FDE -.7528 FRA .6113 FC3-1.3893 BSP 4362
 BDE .6150 BRA .8576 BC3 .4937 FSP -405

MID-COURSE EXECUTION ACCURACY

SGT 1402.8 SGR 422.7 SG3 153.0
 RRT .0158 RRF -.0222 RTF -.8541
 SGB 1465.1 R23 -.0074 R13 -.8541
 SG1 1402.8 SG2 422.6 THA .30

ORBIT DETERMINATION ACCURACY

ST 792.6 SR 350.1 SS 792.7
 CRT -.8327 CRS -.9244 CST .9802
 LSA 1158.3 MSA 192.7 SSA 17.4
 EL1 847.3 EL2 181.3 ALF 158.79

LAUNCH DATE JUN 4 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 248.706

RL 151.76 LAL -.00 LOL 252.71 VL 25.499 GAL 2.01 AZL 93.44 HCA 103.91 SMA 120.78 ECC .25873 INC 3.4410 V1 29.357
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.641 GAP -13.88 AZP 89.17 TAL 174.21 TAP 278.12 RCA 89.53 APO 152.03 V2 34.856
 RC 46.178 GL -21.06 GP .92 ZAL 81.23 ZAP 4.84 ETS 348.69 ZAE 154.16 ETE 28.09 ZAC 93.18 ETC 13.98 CLP -4.75

PLANETOCENTRIC CONIC

C3 18.119 VHL 4.257 DLA -16.18 RAL 164.26 RAD 6567.7 VEL 11.811 PTH 2.09 VHP 8.651 DPA 7.17 RAP 174.27 ECC 1.2982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 17 1662.56 -3.47 8.98 23.31 118.12 8 9 0 1062.6 .31 2.34
 90.00 15 19 21 5363.65 27.78 244.93 29.56 84.29 16 48 45 4763.7 26.70 236.43
 100.00 8 53 35 1429.27 -4.63 351.19 22.68 119.56 9 17 25 829.3 -.66 344.65
 100.00 16 49 44 5072.17 29.09 223.33 29.39 82.81 18 14 16 4472.2 27.79 214.76
 110.00 9 41 47 1278.27 -7.58 337.92 20.86 123.43 10 3 6 678.3 -3.13 331.66
 110.00 18 18 1 4795.94 32.51 201.70 28.75 78.80 19 37 57 4195.9 30.63 192.99

DIFFERENTIAL CORRECTIONS

TDE .5618 TRA -.8171 TC3 .5377 BAU .1403
 RDE -.2502 RRA -.1124 RC3 .2157 FAU .03388
 FDE -.8159 FRA .6161 FC3-1.6190 BSP 4519
 BDE .6150 BRA .8248 BC3 .5794 FSP -454

MID-COURSE EXECUTION ACCURACY

SGT 1446.7 SGR 414.7 SG3 169.6
 RRT .0162 RRF -.0236 RTF -.8631
 SGB 1505.0 R23 -.0084 R13 -.8631
 SG1 1446.7 SG2 414.6 THA .29

ORBIT DETERMINATION ACCURACY

ST 830.8 SR 340.1 SS 844.0
 CRT -.8437 CRS -.9306 CST .9809
 LSA 1217.6 MSA 187.6 SSA 17.5
 EL1 881.0 EL2 172.2 ALF 160.15

LAUNCH DATE JUN 4 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 255.423

RL 151.76 LAL -.00 LOL 252.71 VL 25.662 GAL 1.78 AZL 93.45 HCA 107.09 SMA 121.71 ECC .24880 INC 3.4540 V1 29.357
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.764 GAP -13.06 AZP 88.98 TAL 174.60 TAP 281.69 RCA 91.42 APO 151.99 V2 34.865
 RC 47.255 GL -22.16 GP 1.00 ZAL 82.27 ZAP 6.73 ETS 351.10 ZAE 152.59 ETE 25.84 ZAC 91.93 ETC 13.87 CLP -6.65

PLANETOCENTRIC CONIC

C3 16.780 VHL 4.096 DLA -16.79 RAL 162.86 RAD 6567.7 VEL 11.754 PTH 2.07 VHP 8.185 DPA 6.72 RAP 175.47 ECC 1.2762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 34 1622.29 -2.18 6.73 20.96 118.24 8 8 36 1022.3 1.61 .10
 90.00 15 7 55 5368.37 27.81 245.28 27.06 84.46 16 37 24 4768.4 26.75 236.77
 100.00 8 53 21 1390.63 -3.33 349.06 20.33 119.72 9 16 32 790.6 .65 342.53
 100.00 16 38 49 5075.26 29.12 223.55 26.90 82.92 18 3 24 4475.3 27.83 214.98
 110.00 9 40 31 1242.86 -6.25 336.04 18.52 123.68 10 1 14 642.9 -1.78 329.81
 110.00 18 8 8 4795.79 32.51 201.69 26.26 78.80 19 28 4 4195.8 30.62 192.98

DIFFERENTIAL CORRECTIONS

TOE .5702 TRA -.7847 TC3 .6319 BAU .1508
 RDE -.2331 RRA -.1036 RC3 .2296 FAU .03654
 FDE -.8868 FRA .6202 FC3-1.8851 BSP 4668
 BDE .6160 BRA .7915 BC3 .6724 FSP -510

MID-COURSE EXECUTION ACCURACY

SGT 1489.4 SGR 405.7 SG3 188.2
 RRT .0181 RRF -.0264 RTF -.8716
 SGB 1543.7 R23 -.0094 R13 -.8716
 SG1 1489.4 SG2 405.7 THA .30

ORBIT DETERMINATION ACCURACY

ST 868.7 SR 329.3 SS 898.5
 CRT -.8543 CRS -.9366 CST .9816
 LSA 1279.3 MSA 182.6 SSA 17.6
 EL1 914.7 EL2 162.5 ALF 161.45

LAUNCH DATE JUN 4 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 262.137

RL 151.76 LAL -.00 LOL 252.71 VL 25.811 GAL 1.56 AZL 93.47 HCA 110.26 SMA 122.57 ECC .23966 INC 3.4675 V1 29.357
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.878 GAP -12.27 AZP 88.80 TAL 175.03 TAP 285.29 RCA 93.19 APO 151.94 V2 34.875
 RC 48.458 GL -23.26 GP 1.08 ZAL 83.36 ZAP 8.70 ETS 352.43 ZAE 151.20 ETE 23.97 ZAC 90.75 ETC 13.77 CLP -8.63

PLANETOCENTRIC CONIC

C3 15.620 VHL 3.952 DLA -17.36 RAL 161.41 RAD 6567.6 VEL 11.705 PTH 2.06 VHP 7.737 DPA 6.31 RAP 176.61 ECC 1.2571
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 26 1584.31 -.95 4.61 18.65 118.30 8 7 50 984.3 2.84 357.98
 90.00 14 56 28 5373.69 27.85 245.66 24.59 84.65 16 26 2 4773.7 26.81 237.15
 100.00 8 52 43 1354.27 -2.10 347.06 18.02 119.83 9 15 18 754.3 1.89 340.54
 100.00 16 27 52 5078.96 29.15 223.82 24.43 83.06 17 52 30 4479.0 27.88 215.25
 110.00 9 38 52 1209.70 -4.99 334.30 16.21 123.86 9 59 2 609.7 -.51 328.08
 110.00 17 58 12 4796.30 32.52 201.73 23.81 78.82 19 18 8 4196.3 30.63 193.02

DIFFERENTIAL CORRECTIONS

TOE .5783 TRA -.7519 TC3 .7287 BAU .1604
 RDE -.2169 RRA -.0955 RC3 .2430 FAU .03950
 FDE -.9667 FRA .6237 FC3-2.1895 BSP 4793
 BDE .6177 BRA .7579 BC3 .7682 FSP -571

MID-COURSE EXECUTION ACCURACY

SGT 1529.4 SGR 396.0 SG3 209.1
 RRT .0210 RRF -.0305 RTF -.8791
 SGB 1579.8 R23 -.0107 R13 -.8791
 SG1 1529.4 SG2 395.9 THA .33

ORBIT DETERMINATION ACCURACY

ST 905.9 SR 317.5 SS 956.6
 CRT -.8644 CRS -.9421 CST .9823
 LSA 1343.3 MSA 177.9 SSA 17.6
 EL1 947.7 EL2 152.6 ALF 162.68

LAUNCH DATE JUN 4 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 268.845

RL 151.76 LAL -.00 LOL 252.71 VL 25.947 GAL 1.36 AZL 93.48 HCA 113.44 SMA 123.37 ECC .23127 INC 3.4815 V1 29.357
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.983 GAP -11.50 AZP 88.61 TAL 175.48 TAP 288.92 RCA 94.84 APO 151.91 V2 34.886
 RC 49.776 GL -24.33 GP 1.18 ZAL 84.48 ZAP 10.75 ETS 353.24 ZAE 150.01 ETE 22.41 ZAC 89.64 ETC 13.68 CLP -10.69

PLANETOCENTRIC CONIC

C3 14.616 VHL 3.823 DLA -17.90 RAL 159.92 RAD 6567.6 VEL 11.662 PTH 2.05 VHP 7.309 DPA 5.95 RAP 177.68 ECC 1.2405
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 56 1548.72 .20 2.62 16.39 118.32 8 6 44 948.7 3.98 355.99
 90.00 14 45 4 5379.51 27.88 246.08 22.18 84.85 16 14 43 4779.5 26.88 237.56
 100.00 8 51 43 1320.28 -.95 345.20 15.76 119.88 9 13 44 720.3 3.04 338.67
 100.00 16 16 57 5083.18 29.18 224.13 22.03 83.22 17 41 40 4483.2 27.94 215.55
 110.00 9 36 52 1178.84 -3.82 332.68 13.96 123.99 9 56 31 578.8 .67 326.47
 110.00 17 48 18 4797.39 32.53 201.81 21.41 78.87 19 8 15 4197.4 30.65 193.10

DIFFERENTIAL CORRECTIONS

TOE .5871 TRA -.7179 TC3 .8300 BAU .1697
 RDE -.2014 RRA -.0880 RC3 .2556 FAU .04291
 FDE -1.0583 FRA .6255 FC3-2.5414 BSP 4935
 BDE .6206 BRA .7233 BC3 .8685 FSP -643

MID-COURSE EXECUTION ACCURACY

SGT 1567.0 SGR 385.3 SG3 232.8
 RRT .0253 RRF -.0363 RTF -.8863
 SGB 1613.6 R23 -.0125 R13 -.8863
 SG1 1567.0 SG2 385.2 THA .38

ORBIT DETERMINATION ACCURACY

ST 943.1 SR 304.7 SS 1019.4
 CRT -.8745 CRS -.9474 CST .9830
 LSA 1411.1 MSA 173.2 SSA 17.5
 EL1 980.9 EL2 142.1 ALF 163.88

LAUNCH DATE JUN 4 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 275.545

RL 151.76 LAL -.00 LOL 252.71 VL 26.072 GAL 1.16 AZL 93.50 HCA 116.62 SMA 124.12 ECC .22359 INC 3.4962 V1 29.357
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.081 GAP -10.77 AZP 88.43 TAL 175.95 TAP 292.58 RCA 96.37 APO 151.87 V2 34.897
 RC 51.201 GL -25.38 GP 1.29 ZAL 85.63 ZAP 12.90 ETS 353.77 ZAE 149.03 ETE 21.12 ZAC 88.61 ETC 13.60 CLP -12.83

PLANETOCENTRIC CONIC

C3 13.751 VHL 3.708 DLA -18.41 RAL 158.40 RAD 6567.5 VEL 11.625 PTH 2.04 VHP 6.898 DPA 5.62 RAP 178.67 ECC 1.2263
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 7 1515.55 1.27 .77 14.20 118.29 8 5 22 915.5 5.04 354.12
 90.00 14 33 48 5385.77 27.92 246.54 19.84 85.08 16 3 34 4785.8 26.95 238.01
 100.00 8 50 24 1288.70 .13 343.46 13.56 119.89 9 11 53 688.7 4.10 336.93
 100.00 16 6 11 5087.85 29.22 224.47 19.69 83.40 17 30 59 4487.9 28.00 215.88
 110.00 9 34 35 1150.30 -2.73 331.18 11.78 124.09 9 53 45 550.3 1.76 324.98
 110.00 17 38 30 4799.02 32.55 201.93 19.09 78.94 18 58 29 4199.0 30.68 193.21

DIFFERENTIAL CORRECTIONS

TOE .5942 TRA -.6837 TC3 .9316 BAU .1782
 RDE -.1865 RRA -.0811 RC3 .2675 FAU .04676
 FDE -1.1615 FRA .6260 FC3-2.9441 BSP 5064
 BDE .6228 BRA .6884 BC3 .9692 FSP -725

MID-COURSE EXECUTION ACCURACY

SGT 1599.9 SGR 373.9 SG3 259.6
 RRT .0326 RRF -.0451 RTF -.8927
 SGB 1643.0 R23 -.0143 R13 -.8927
 SG1 1599.9 SG2 373.7 THA .46

ORBIT DETERMINATION ACCURACY

ST 977.1 SR 290.9 SS 1085.7
 CRT -.8836 CRS -.9522 CST .9837
 LSA 1479.6 MSA 169.2 SSA 17.3
 EL1 1011.0 EL2 131.6 ALF 165.00

LAUNCH DATE JUN 4 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

RL 151.76 LAL -.00 LOL 252.71 VL 26.185 GAL .98 AZL 93.51 HCA 119.81 SMA 124.81 ECC .21659 INC 3.5117 V1 29.357
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.172 GAP -10.05 AZP 88.25 TAL 176.44 TAP 296.25 RCA 97.78 APO 151.84 V2 34.908
 RC 52.722 GL -26.40 GP 1.41 ZAL 86.78 ZAP 15.15 ETS 354.12 ZAE 148.28 ETE 20.07 ZAC 87.68 ETC 13.53 CLP -15.09

PLANETOCENTRIC CONIC

C3 13.008 VHL 3.607 DLA -18.88 RAL 156.89 RAD 6567.5 VEL 11.593 PTH 2.03 VHP 6.506 DPA 5.36 RAP 179.57 ECC 1.2141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 39 2 1484.79 2.26 359.06 12.08 118.23 8 3 47 884.8 6.02 352.10
 90.00 14 22 46 5392.40 27.96 247.02 17.58 85.32 15 52 38 4792.4 27.02 238.45
 100.00 8 48 51 1259.51 1.12 341.86 11.45 119.87 9 9 50 659.5 5.08 335.32
 100.00 15 55 38 5092.92 29.26 224.84 17.44 83.59 17 20 31 4492.9 28.06 216.25
 110.00 9 32 4 1124.06 -1.73 329.81 9.67 124.14 9 50 48 524.1 2.76 323.61
 110.00 17 28 54 4801.13 32.58 202.09 16.85 79.03 18 48 55 4201.1 30.72 193.37

DIFFERENTIAL CORRECTIONS

TDE .6026 TRA -.6480 TC3 1.0347 BAU .1863
 RDE -.1721 RRA -.0747 RC3 .2787 FAU .05119
 FDE-1.2810 FRA .6246 FC3-3.4067 BSP 5205
 BDE .6267 BRA .6523 BC3 1.0715 FSP -821

MID-COURSE EXECUTION ACCURACY

SGT 1630.0 SGR 361.8 SG3 290.2
 RRT .0421 RRF -.0569 RTF -.8993
 SGB 1669.6 R23 -.0172 R13 -.8993
 SG1 1630.1 SG2 361.4 THA .56

ORBIT DETERMINATION ACCURACY

ST 1011.6 SR 276.0 SS 1158.3
 CRT -.8927 CRS -.9566 CST .9846
 LSA 1553.6 MSA 165.0 SSA 17.1
 EL1 1041.6 EL2 120.8 ALF 166.12

LAUNCH DATE JUN 4 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

RL 151.76 LAL -.00 LOL 252.71 VL 26.288 GAL .82 AZL 93.53 HCA 122.99 SMA 125.45 ECC .21024 INC 3.5283 V1 29.357
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.255 GAP -9.36 AZP 88.08 TAL 176.93 TAP 299.92 RCA 99.07 APO 151.82 V2 34.920
 RC 54.330 GL -27.38 GP 1.56 ZAL 87.92 ZAP 17.52 ETS 354.36 ZAE 147.78 ETE 19.24 ZAC 86.85 ETC 13.46 CLP -17.46

PLANETOCENTRIC CONIC

C3 12.373 VHL 3.517 DLA -19.32 RAL 155.38 RAD 6567.5 VEL 11.565 PTH 2.02 VHP 6.132 DPA 5.16 RAP 180.38 ECC 1.2036
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 46 1456.38 3.17 357.47 10.06 118.15 8 2 2 856.4 6.91 350.79
 90.00 14 12 2 5399.37 28.00 247.53 15.43 85.57 15 42 1 4799.4 27.09 238.98
 100.00 8 47 6 1232.62 2.03 340.39 9.42 119.83 9 7 39 632.6 5.98 333.83
 100.00 15 45 23 5098.36 29.30 225.24 15.29 83.80 17 10 21 4498.4 28.13 216.64
 110.00 9 29 25 1100.04 -.81 328.56 7.65 124.17 9 47 45 500.0 3.68 322.35
 110.00 17 19 33 4803.71 32.61 202.29 14.71 79.14 18 39 37 4203.7 30.77 193.55

DIFFERENTIAL CORRECTIONS

TDE .6079 TRA -.6131 TC3 1.1285 BAU .1927
 RDE -.1580 RRA -.0689 RC3 .2893 FAU .05617
 FDE-1.4157 FRA .6215 FC3-3.9300 BSP 5304
 BDE .6281 BRA .6169 BC3 1.1649 FSP -928

MID-COURSE EXECUTION ACCURACY

SGT 1652.4 SGR 348.9 SG3 324.6
 RRT .0565 RRF -.0739 RTF -.9043
 SGB 1688.9 R23 -.0204 R13 -.9044
 SG1 1652.5 SG2 348.3 THA .72

ORBIT DETERMINATION ACCURACY

ST 1040.1 SR 259.8 SS 1234.3
 CRT -.9003 CRS -.9603 CST .9853
 LSA 1626.8 MSA 161.9 SSA 16.7
 EL1 1066.4 EL2 110.3 ALF 167.19

LAUNCH DATE JUN 4 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

RL 151.76 LAL -.00 LOL 252.71 VL 26.381 GAL .66 AZL 93.55 HCA 126.18 SMA 126.03 ECC .20449 INC 3.5462 V1 29.357
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.332 GAP -8.70 AZP 87.90 TAL 177.43 TAP 303.60 RCA 100.26 APO 151.80 V2 34.932
 RC 56.016 GL -28.32 GP 1.72 ZAL 89.04 ZAP 20.03 ETS 354.52 ZAE 147.53 ETE 18.62 ZAC 86.15 ETC 13.41 CLP -19.96

PLANETOCENTRIC CONIC

C3 11.832 VHL 3.440 DLA -19.73 RAL 153.91 RAD 6567.5 VEL 11.542 PTH 2.01 VHP 5.776 DPA 5.03 RAP 181.07 ECC 1.1947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 25 1430.16 4.01 356.00 8.14 118.05 8 0 15 830.2 7.74 349.30
 90.00 14 1 39 5406.72 28.03 248.06 13.39 85.83 15 31 45 4806.7 27.16 239.50
 100.00 8 45 17 1207.90 2.86 339.03 7.51 119.77 9 5 25 607.9 6.80 332.46
 100.00 15 35 27 5104.21 29.34 225.67 13.26 84.02 17 0 32 4504.2 28.20 217.06
 110.00 9 26 43 1078.09 .03 327.41 5.74 124.18 9 44 41 478.1 4.51 321.20
 110.00 17 10 31 4806.79 32.65 202.52 12.69 79.27 18 30 38 4206.8 30.83 193.77

DIFFERENTIAL CORRECTIONS

TDE .6097 TRA -.5802 TC3 1.2055 BAU .1965
 RDE -.1439 RRA -.0636 RC3 .2996 FAU .06166
 FDE-1.5677 FRA .6194 FC3-4.5119 BSP 5342
 BDE .6264 BRA .5836 BC3 1.2421 FSP -1047

MID-COURSE EXECUTION ACCURACY

SGT 1665.2 SGR 335.6 SG3 363.0
 RRT .0768 RRF -.0971 RTF -.9077
 SGB 1698.7 R23 -.0245 R13 -.9078
 SG1 1665.4 SG2 334.5 THA .92

ORBIT DETERMINATION ACCURACY

ST 1061.5 SR 242.2 SS 1314.2
 CRT -.9060 CRS -.9632 CST .9857
 LSA 1699.0 MSA 159.9 SSA 16.2
 EL1 1084.1 EL2 100.4 ALF 168.22

LAUNCH DATE JUN 4 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

RL 151.76 LAL -.00 LOL 252.71 VL 26.465 GAL .52 AZL 93.57 HCA 129.37 SMA 126.56 ECC .19931 INC 3.5656 V1 29.357
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.403 GAP -8.05 AZP 87.74 TAL 177.91 TAP 307.28 RCA 101.34 APO 151.79 V2 34.945
 RC 57.772 GL -29.21 GP 1.92 ZAL 90.11 ZAP 22.69 ETS 354.63 ZAE 147.54 ETE 18.22 ZAC 85.59 ETC 13.35 CLP -22.62

PLANETOCENTRIC CONIC

C3 11.375 VHL 3.373 DLA -20.11 RAL 152.49 RAD 6567.4 VEL 11.522 PTH 2.01 VHP 5.437 DPA 4.99 RAP 181.64 ECC 1.1872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 4 1405.94 4.79 354.64 6.34 117.94 7 58 30 805.9 8.49 347.92
 90.00 13 51 38 5414.49 28.07 248.63 11.48 86.12 15 21 53 4814.5 27.24 240.06
 100.00 8 43 28 1185.17 3.63 337.78 5.71 119.69 9 3 13 585.2 7.56 331.19
 100.00 15 25 55 5110.50 29.39 226.14 11.35 84.26 16 51 5 4510.5 28.28 217.51
 110.00 9 24 2 1058.05 .79 326.37 3.94 124.18 9 41 40 458.1 5.27 320.15
 110.00 17 1 50 4810.38 32.70 202.79 10.80 79.42 18 22 1 4210.4 30.89 194.03

DIFFERENTIAL CORRECTIONS

TDE .6116 TRA -.5448 TC3 1.2798 BAU .2003
 RDE -.1298 RRA -.0587 RC3 .3101 FAU .06808
 FDE-1.7445 FRA .6112 FC3-5.1816 BSP 5397
 BDE .6253 BRA .5479 BC3 1.3169 FSP -1186

MID-COURSE EXECUTION ACCURACY

SGT 1672.2 SGR 321.9 SG3 407.3
 RRT .1044 RRF -.1286 RTF -.9117
 SGB 1702.9 R23 -.0300 R13 -.9118
 SG1 1672.5 SG2 320.1 THA 1.20

ORBIT DETERMINATION ACCURACY

ST 1080.6 SR 222.8 SS 1401.8
 CRT -.9115 CRS -.9657 CST .9862
 LSA 1776.9 MSA 157.5 SSA 15.6
 EL1 1099.7 EL2 90.1 ALF 169.28

LAUNCH DATE JUN 4 1967

FLIGHT TIME 118.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 308.868

RL 151.76 LAL -0.00 LOL 252.71 VL 26.540 GAL .39 AZL 93.59 HCA 132.56 SMA 127.05 ECC .19466 INC 3.5868 V1 29.357
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.468 GAP -7.43 AZP 87.57 TAL 178.38 TAP 310.93 RCA 102.32 APO 151.78 V2 34.957
 RC 59.590 GL -30.05 GP 2.15 ZAL 91.12 ZAP 25.53 ETS 354.70 ZAE 147.83 ETE 18.04 ZAC 85.17 ETC -13.31 CLP -25.44

PLANETOCENTRIC CONIC

C3 10.991 VHL 3.315 OLA -20.47 RAL 151.13 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 5.117 DPA 5.04 RAP 182.07 ECC 1.1809
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 50 1383.44 5.50 353.38 4.68 117.82 7 56 53 783.4 9.19 346.63
 90.00 13 42 2 5422.83 28.11 249.23 9.71 86.42 15 12 24 4822.8 27.32 240.66
 100.00 8 41 47 1164.14 4.34 336.62 4.04 119.60 9 1 11 564.1 8.25 330.01
 100.00 15 16 46 5117.36 29.43 226.64 9.59 84.52 16 42 3 4517.4 28.36 218.00
 110.00 9 21 30 1039.68 1.50 325.41 2.27 124.15 9 38 50 439.7 5.97 319.18
 110.00 16 53 32 4814.59 32.75 203.11 9.05 79.60 18 13 47 4214.6 30.97 194.34

DIFFERENTIAL CORRECTIONS

TDE .6065 TRA -.5137 TC3 1.3203 BAU .1997
 RDE -.1152 RRA -.0544 RC3 .3214 FAU .07502
 FDE-1.9410 FRA .6073 FC3-5.9091 BSP 5355
 BDE .6174 BRA .5166 BC3 1.3589 FSP -1339

MID-COURSE EXECUTION ACCURACY

SGT 1602.3 SGR 308.4 SG3 456.0
 RRT .1423 RRF -.1717 RTF -.9127
 SGB 1690.7 R23 -.0377 R13 -.9129
 SG1 1662.9 SG2 305.1 THA 1.56

ORBIT DETERMINATION ACCURACY

ST 1086.4 SR 201.4 SS 1491.2
 CRT -.9137 CRS -.9668 CST .9864
 LSA 1849.3 MSA 156.8 SSA 14.9
 EL1 1102.0 EL2 80.7 ALF 170.33

LAUNCH DATE JUN 4 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 315.487

RL 151.76 LAL -0.00 LOL 252.71 VL 26.607 GAL .28 AZL 93.61 HCA 135.75 SMA 127.48 ECC .19051 INC 3.6104 V1 29.357
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.528 GAP -6.83 AZP 87.41 TAL 178.82 TAP 314.57 RCA 103.20 APO 151.77 V2 34.970
 RC 61.464 GL -30.86 GP 2.42 ZAL 92.07 ZAP 28.55 ETS 354.75 ZAE 148.39 ETE 18.13 ZAC 84.94 ETC 13.27 CLP -28.46

PLANETOCENTRIC CONIC

C3 10.673 VHL 3.267 OLA -20.82 RAL 149.85 RAD 6567.4 VEL 11.492 PTH 2.00 VHP 4.814 DPA 5.21 RAP 182.34 ECC 1.1756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 51 1362.32 6.17 352.19 3.15 117.69 7 55 33 762.3 9.83 345.42
 90.00 13 32 47 5431.94 28.15 249.90 8.10 86.75 15 3 19 4831.9 27.40 241.31
 100.00 8 40 20 1144.52 5.00 335.53 2.51 119.51 8 59 24 544.5 8.89 328.91
 100.00 15 7 59 5124.97 29.48 227.20 7.98 84.81 16 33 24 4525.0 28.45 218.55
 110.00 9 19 12 1022.71 2.14 324.53 .73 124.12 9 36 15 422.7 6.61 318.28
 110.00 16 45 37 4819.55 32.81 203.48 7.46 79.82 18 5 56 4219.5 31.06 194.70

DIFFERENTIAL CORRECTIONS

TDE .5979 TRA -.4833 TC3 1.3460 BAU .1979
 RDE -.0999 RRA -.0505 RC3 .3343 FAU .08297
 FDE-2.1652 FRA .6011 FC3-6.7303 BSP 5262
 BDE .6062 BRA .4859 BC3 1.3869 FSP -1506

MID-COURSE EXECUTION ACCURACY

SGT 1641.7 SGR 295.6 SG3 511.4
 RRT .1943 RRF -.2299 RTF -.9131
 SGB 1668.1 R23 -.0477 R13 -.9134
 SG1 1642.7 SG2 289.7 THA 2.07

ORBIT DETERMINATION ACCURACY

ST 1083.6 SR 177.6 SS 1586.7
 CRT -.9135 CRS -.9665 CST .9864
 LSA 1923.2 MSA 156.5 SSA 14.2
 EL1 1095.8 EL2 71.4 ALF 171.45

LAUNCH DATE JUN 4 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 322.090

RL 151.76 LAL -0.00 LOL 252.71 VL 26.667 GAL .18 AZL 93.64 HCA 138.95 SMA 127.87 ECC .18684 INC 3.6369 V1 29.357
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.582 GAP -6.24 AZP 87.26 TAL 179.24 TAP 318.18 RCA 103.98 APO 151.77 V2 34.983
 RC 63.388 GL -31.62 GP 2.73 ZAL 92.93 ZAP 31.79 ETS 354.78 ZAE 149.25 ETE 18.52 ZAC 84.89 ETC 13.25 CLP -31.68

PLANETOCENTRIC CONIC

C3 10.412 VHL 3.227 OLA -21.16 RAL 148.65 RAD 6567.4 VEL 11.480 PTH 2.00 VHP 4.530 DPA 5.52 RAP 182.45 ECC 1.1714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 14 1342.16 6.81 351.05 1.77 117.55 7 54 37 742.2 10.45 344.26
 90.00 13 23 52 5442.09 28.18 250.64 6.64 87.12 14 54 34 4842.1 27.48 242.04
 100.00 8 39 15 1125.92 5.62 334.50 1.13 119.41 8 58 1 525.9 9.50 327.86
 100.00 14 59 33 5133.57 29.53 227.84 6.54 85.14 16 25 7 4533.6 28.55 219.17
 110.00 9 17 15 1006.82 2.75 323.70 359.35 124.09 9 34 1 406.8 7.21 317.44
 110.00 16 38 3 4825.43 32.88 203.93 6.03 80.07 17 58 28 4225.4 31.16 195.12

DIFFERENTIAL CORRECTIONS

TDE .5844 TRA -.4555 TC3 1.3470 BAU .1937
 RDE -.0834 RRA -.0469 RC3 .3501 FAU .09195
 FDE-2.4214 FRA .5951 FC3-7.6453 BSP 5136
 BDE .5903 BRA .4579 BC3 1.3917 FSP -1705

MID-COURSE EXECUTION ACCURACY

SGT 1607.7 SGR 284.5 SG3 573.9
 RRT .2629 RRF -.3065 RTF -.9115
 SGB 1632.7 R23 -.0619 R13 -.9121
 SG1 1609.5 SG2 274.2 THA 2.74

ORBIT DETERMINATION ACCURACY

ST 1070.1 SR 150.7 SS 1689.1
 CRT -.9088 CRS -.9638 CST .9861
 LSA 1999.0 MSA 157.2 SSA 13.3
 EL1 1078.8 EL2 62.3 ALF 172.68

LAUNCH DATE JUN 4 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 328.674

RL 151.76 LAL -0.00 LOL 252.71 VL 26.720 GAL .09 AZL 93.67 HCA 142.15 SMA 128.22 ECC .18359 INC 3.6670 V1 29.357
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.632 GAP -5.67 AZP 87.10 TAL 179.62 TAP 321.76 RCA 104.68 APO 151.76 V2 34.996
 RC 65.357 GL -32.34 GP 3.11 ZAL 93.70 ZAP 35.26 ETS 354.80 ZAE 150.40 ETE 19.30 ZAC 85.05 ETC 13.24 CLP -35.14

PLANETOCENTRIC CONIC

C3 10.205 VHL 3.194 OLA -21.51 RAL 147.56 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 4.265 DPA 5.97 RAP 182.36 ECC 1.1679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 11 1322.45 7.43 349.93 .56 117.40 7 54 13 722.5 11.04 343.11
 90.00 13 15 11 5453.69 28.22 251.48 5.36 87.54 14 46 5 4853.7 27.58 242.88
 100.00 8 38 40 1107.88 6.22 333.50 359.90 119.30 8 57 8 507.9 10.08 326.84
 100.00 14 51 23 5143.50 29.59 228.57 5.27 85.53 16 17 7 4543.5 28.65 219.89
 110.00 9 15 45 991.64 3.33 322.90 358.11 124.04 9 32 17 391.6 7.77 316.64
 110.00 16 30 47 4832.50 32.96 204.46 4.78 80.38 17 51 20 4232.5 31.28 195.64

DIFFERENTIAL CORRECTIONS

TDE .5554 TRA -.4325 TC3 1.2706 BAU .1805
 RDE -.0657 RRA -.0441 RC3 .3677 FAU .10010
 FDE-2.6801 FRA .6056 FC3-8.4919 BSP 4824
 BDE .5592 BRA .4347 BC3 1.3227 FSP -1883

MID-COURSE EXECUTION ACCURACY

SGT 1531.8 SGR 276.2 SG3 634.3
 RRT .3408 RRF -.3981 RTF -.9039
 SGB 1556.5 R23 -.0861 R13 -.9049
 SG1 1534.7 SG2 259.2 THA 3.62

ORBIT DETERMINATION ACCURACY

ST 1027.3 SR 120.8 SS 1777.3
 CRT -.8933 CRS -.9553 CST .9850
 LSA 2050.2 MSA 158.7 SSA 12.4
 EL1 1033.0 EL2 54.0 ALF 173.99

LAUNCH DATE JUN 4 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 335.238

RL 151.76 LAL -.00 LOL 252.71 VL 26.766 GAL .01 AZL 93.70 HCA 145.35 SMA 128.53 ECC .18075 INC 3.7017 V1 29.357
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.677 GAP -5.12 AZP 86.95 TAL 179.95 TAP 325.30 RCA 105.30 APO 151.76 V2 35.009
 RC 67.365 GL -33.04 GP 3.57 ZAL 94.37 ZAP 38.99 ETS 354.82 ZAE 151.84 ETE 20.57 ZAC 85.43 ETC 13.25 CLP -38.86

PLANETOCENTRIC CONIC

C3 10.045 VHL 3.169 DLA -21.87 RAL 146.56 RAD 6567.4 VEL 11.464 PTH 1.99 VHP 4.021 DPA 6.60 RAP 182.09 ECC 1.1653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 51 1302.58 8.05 348.80 359.52 117.24 7 54 34 702.6 11.64 341.96
 90.00 13 6 36 5467.26 28.25 252.47 4.26 88.04 14 37 43 4867.3 27.68 243.85
 100.00 8 38 46 1089.85 6.82 332.50 358.85 119.17 8 56 56 489.9 10.66 325.82
 100.00 14 43 22 5155.22 29.65 229.44 4.17 85.98 16 9 17 4555.2 28.77 220.74
 110.00 9 14 51 976.74 3.90 322.12 357.05 123.99 9 31 8 376.7 8.33 315.84
 110.00 16 23 46 4841.10 33.06 205.11 3.71 80.75 17 44 27 4241.1 31.43 196.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4119 TRA -.4244 TC3 1.1620 BAU .1646 SGT 1334.3 SGR 276.2 SG3 666.9 ST 785.1 SR 95.2 SS 1655.0
 RDE -.0507 RRA -.0426 RC3 .3896 FAU .10883 RRT .4947 RRF -.5359 RTF -.8732 CRT -.8277 CRS -.9337 CST .9715
 FDE -2.6247 FRA .6713 FC3-9.3797 BSP 3659 SGB 1362.6 R23 -.1031 R13 -.8753 LSA 1826.1 MSA 172.5 SSA 11.6
 BDE .4150 BRA .4265 BC3 1.2255 FSP -1818 SG1 1341.5 SG2 238.7 THA 6.04 EL1 789.1 EL2 53.2 ALF 174.24

LAUNCH DATE JUN 4 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 341.787

RL 151.76 LAL -.00 LOL 252.71 VL 26.806 GAL -.05 AZL 93.74 HCA 148.55 SMA 128.80 ECC .17829 INC 3.7428 V1 29.357
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.718 GAP -4.58 AZP 86.81 TAL 180.24 TAP 328.79 RCA 105.84 APO 151.76 V2 35.023
 RC 69.409 GL -33.73 GP 4.13 ZAL 94.94 ZAP 43.00 ETS 354.84 ZAE 153.55 ETE 22.53 ZAC 86.06 ETC 13.29 CLP -42.84

PLANETOCENTRIC CONIC

C3 9.932 VHL 3.151 DLA -22.27 RAL 145.67 RAD 6567.4 VEL 11.460 PTH 1.99 VHP 3.796 DPA 7.43 RAP 181.60 ECC 1.1635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 24 1281.95 8.69 347.62 358.64 117.06 7 55 46 682.0 12.25 340.75
 90.00 12 57 55 5483.36 28.29 253.65 3.33 88.63 14 29 19 4883.4 27.80 245.02
 100.00 8 39 39 1071.35 7.43 331.47 357.97 119.04 8 57 31 471.4 11.25 324.76
 100.00 14 35 22 5169.20 29.71 230.47 3.26 86.52 16 1 31 4569.2 28.91 221.76
 110.00 9 14 37 961.75 4.47 321.33 356.14 123.93 9 30 39 361.7 8.89 315.04
 110.00 16 16 53 4851.57 33.17 205.91 2.82 81.21 17 37 45 4251.6 31.60 197.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5131 TRA -.3726 TC3 1.1744 BAU .1660 SGT 1397.8 SGR 283.7 SG3 810.3 ST 958.5 SR 45.5 SS 2052.9
 RDE -.0212 RRA -.0386 RC3 .4294 FAU .12576 RRT .5544 RRF -.6434 RTF -.8956 CRT -.7061 CRS -.8139 CST .9840
 FDE -3.4362 FRA .5558 FC-10.9625 BSP 4803 SGB 1426.3 R23 -.1591 R13 -.8988 LSA 2260.6 MSA 157.1 SSA 10.5
 BDE .5135 BRA .3746 BC3 1.2504 FSP -2574 SG1 1406.9 SG2 234.6 THA 6.60 EL1 959.1 EL2 32.2 ALF 178.08

LAUNCH DATE JUN 4 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 348.313

RL 151.76 LAL -.00 LOL 252.71 VL 26.841 GAL -.10 AZL 93.79 HCA 151.75 SMA 129.03 ECC .17618 INC 3.7919 V1 29.357
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.755 GAP -4.06 AZP 86.66 TAL 180.48 TAP 332.24 RCA 106.30 APO 151.76 V2 35.036
 RC 71.485 GL -34.42 GP 4.82 ZAL 95.39 ZAP 47.31 ETS 354.88 ZAE 155.51 ETE 25.46 ZAC 86.93 ETC 13.38 CLP -47.12

PLANETOCENTRIC CONIC

C3 9.864 VHL 3.141 DLA -22.70 RAL 144.89 RAD 6567.4 VEL 11.457 PTH 1.99 VHP 3.593 DPA 8.50 RAP 180.91 ECC 1.1623
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 12 1259.41 9.39 346.33 357.96 116.84 7 58 12 659.4 12.91 339.43
 90.00 12 48 52 5503.18 28.31 255.10 2.59 89.35 14 20 35 4903.2 27.92 246.46
 100.00 8 41 39 1051.39 8.09 330.35 357.27 118.87 8 59 11 451.4 11.88 323.62
 100.00 14 27 6 5186.43 29.77 231.75 2.54 87.19 15 53 32 4586.4 29.06 223.01
 110.00 9 15 17 945.94 5.07 320.50 355.41 123.85 9 31 3 345.9 9.48 314.19
 110.00 16 9 57 4864.64 33.30 206.91 2.14 81.79 17 31 2 4264.6 31.81 198.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4674 TRA -.3422 TC3 1.0423 BAU .1510 SGT 1270.3 SGR 305.7 SG3 900.7 ST 876.8 SR 25.5 SS 2176.9
 RDE .0062 RRA -.0356 RC3 .4732 FAU .13895 RRT .6486 RRF -.7611 RTF -.8796 CRT .6301 CRS .4886 CST .9816
 FDE -3.8381 FRA .4949 FC-12.1959 BSP 4225 SGB 1306.6 R23 -.2250 R13 -.8865 LSA 2341.7 MSA 156.8 SSA 9.5
 BDE .4675 BRA .3441 BC3 1.1447 FSP -2806 SG1 1286.2 SG2 229.8 THA 9.17 EL1 876.9 EL2 19.8 ALF 1.05

LAUNCH DATE JUN 4 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 354.821

RL 151.76 LAL -.00 LOL 252.71 VL 26.870 GAL -.14 AZL 93.85 HCA 154.96 SMA 129.23 ECC .17439 INC 3.8528 V1 29.357
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.788 GAP -3.55 AZP 86.51 TAL 180.67 TAP 335.63 RCA 106.69 APO 151.77 V2 35.049
 RC 73.590 GL -35.13 GP 5.69 ZAL 95.72 ZAP 51.91 ETS 354.95 ZAE 157.61 ETE 29.81 ZAC 88.03 ETC 13.53 CLP -51.69

PLANETOCENTRIC CONIC

C3 9.844 VHL 3.137 DLA -23.21 RAL 144.20 RAD 6567.4 VEL 11.456 PTH 1.99 VHP 3.414 DPA 9.85 RAP 180.01 ECC 1.1620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 41 38 1233.60 10.18 344.85 357.47 116.57 8 2 11 633.6 13.66 337.90
 90.00 12 38 58 5528.18 28.32 256.93 2.04 90.27 14 11 6 4928.2 28.05 248.27
 100.00 8 45 3 1028.88 8.83 329.09 356.76 118.67 9 2 12 428.9 12.59 322.32
 100.00 14 18 13 5208.13 29.83 233.36 2.01 88.03 15 45 1 4608.1 29.24 224.60
 110.00 9 17 2 928.58 5.72 319.59 354.86 123.76 9 32 31 328.6 10.12 313.26
 110.00 16 2 43 4881.20 33.45 208.18 1.66 82.53 17 24 5 4281.2 32.06 199.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4061 TRA -.3292 TC3 .8633 BAU .1334 SGT 1127.6 SGR 347.4 SG3 994.7 ST 767.4 SR 74.3 SS 2294.8
 RDE .0387 RRA -.0344 RC3 .5309 FAU .15284 RRT .7088 RRF -.8573 RTF -.8467 CRT .9933 CRS .9656 CST .9759
 FDE -4.2551 FRA .5077 FC-13.4423 BSP 3758 SGB 1179.9 R23 -.3241 R13 -.8630 LSA 2415.6 MSA 159.9 SSA 8.5
 BDE .4080 BRA .3310 BC3 1.0135 FSP -3125 SG1 1155.4 SG2 239.1 THA 12.88 EL1 770.9 EL2 8.6 ALF 5.50

LAUNCH DATE JUN 4 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 361.310

RL 151.76 LAL -.00 LOL 252.71 VL 26.894 GAL -.17 AZL 93.93 HCA 158.17 SMA 129.39 ECC .17291 INC 3.9301 V1 29.357
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.817 GAP -3.06 AZP 86.35 TAL 180.80 TAP 338.97 RCA 107.02 APO 151.77 V2 35.062
 RC 75.721 GL -35.91 GP 6.79 ZAL 95.93 ZAP 56.82 ETS 355.05 ZAE 159.71 ETE 36.24 ZAC 89.35 ETC 13.77 CLP -56.55

PLANETOCENTRIC CONIC

C3 9.879 VHL 3.143 DLA -23.82 RAL 143.60 RAD 6567.4 VEL 11.457 PTH 1.99 VHP 3.259 DPA 11.53 RAP 178.96 ECC 1.1626
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 20 1202.36 11.12 343.04 357.22 116.21 8 8 22 602.4 14.56 336.04
 90.00 12 27 29 5560.85 28.28 259.32 1.69 91.47 14 0 10 4960.8 28.19 250.65
 100.00 8 50 21 1002.15 9.70 327.58 356.47 118.41 9 7 3 402.1 13.42 340.77
 100.00 14 8 9 5236.29 29.88 235.45 1.70 89.13 15 35 25 4636.3 29.44 226.67
 110.00 9 20 11 908.58 6.48 318.53 354.51 123.64 9 35 20 308.6 10.86 312.18
 110.00 15 54 48 4902.63 33.63 209.82 1.41 83.49 17 16 31 4302.6 32.36 200.82

DIFFERENTIAL CORRECTIONS

TDE .3401 TRA -.3121 TC3 .6157 BAU .1137
 RDE .0802 RRA -.0329 RC3 .6016 FAU .16497
 FDE-4.7464 FRA .4836 FC-14.4563 BSP 3166
 BDE .3494 BRA .3139 BC3 .8608 FSP -3414

MID-COURSE EXECUTION ACCURACY

SGT 959.7 SGR 410.7 SG3 1087.3
 RRT .7047 RRF -.9218 RTF -.7850
 SGB 1043.9 R23 -.4463 R13 -.8288
 SG1 1006.2 SG2 277.9 THA 18.22

ORBIT DETERMINATION ACCURACY

ST 647.6 SR 147.9 SS 2438.7
 CRT .9858 CRS .9940 CST .9666
 LSA 2522.4 MSA 161.2 SSA 7.4
 EL1 663.8 EL2 24.2 ALF 12.70

LAUNCH DATE JUN 4 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 367.778

RL 151.76 LAL -.00 LOL 252.71 VL 26.914 GAL -.18 AZL 94.03 HCA 161.39 SMA 129.53 ECC .17170 INC 4.0327 V1 29.357
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.843 GAP -2.58 AZP 86.18 TAL 180.86 TAP 342.25 RCA 107.29 APO 151.77 V2 35.075
 RC 77.874 GL -36.80 GP 8.25 ZAL 96.01 ZAP 62.01 ETS 355.21 ZAE 161.48 ETE 45.62 ZAC 90.84 ETC 14.14 CLP -61.69

PLANETOCENTRIC CONIC

C3 9.986 VHL 3.160 DLA -24.58 RAL 143.07 RAD 6567.4 VEL 11.462 PTH 1.99 VHP 3.131 DPA 13.65 RAP 177.79 ECC 1.1643
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 58 27 1161.84 12.33 340.67 357.22 115.69 8 17 49 561.8 15.69 333.61
 90.00 12 13 6 5605.64 28.16 262.59 1.54 93.10 13 46 31 5005.6 28.29 253.93
 100.00 8 58 23 968.38 10.79 325.66 356.42 118.05 9 14 31 368.4 14.46 318.79
 100.00 13 55 51 5274.33 29.89 238.28 1.60 90.62 15 23 46 4674.3 29.65 229.48
 110.00 9 25 12 884.24 7.40 317.25 354.38 123.47 9 39 57 284.2 11.75 310.85
 110.00 15 45 31 4931.24 33.83 212.03 1.42 84.78 17 7 42 4331.2 32.74 202.97

DIFFERENTIAL CORRECTIONS

TDE .2580 TRA -.2968 TC3 .3529 BAU .1046
 RDE .1334 RRA -.0316 RC3 .6994 FAU .17818
 FDE-5.2558 FRA .4487 FC-15.4476 BSP 2703
 BDE .2905 BRA .2985 BC3 .7834 FSP -3748

MID-COURSE EXECUTION ACCURACY

SGT 786.6 SGR 507.8 SG3 1181.3
 RRT .6234 RRF -.9617 RTF -.6662
 SGB 936.3 R23 -.5441 R13 -.7975
 SG1 863.6 SG2 361.6 THA 27.03

ORBIT DETERMINATION ACCURACY

ST 500.4 SR 242.9 SS 2580.2
 CRT .9590 CRS .9985 CST .9445
 LSA 2634.5 MSA 162.0 SSA 6.4
 EL1 552.8 EL2 62.3 ALF 25.31

LAUNCH DATE JUN 4 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 374.227

RL 151.76 LAL -.00 LOL 252.71 VL 26.930 GAL -.18 AZL 94.18 HCA 164.60 SMA 129.63 ECC .17075 INC 4.1768 V1 29.357
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.866 GAP -2.11 AZP 85.97 TAL 180.87 TAP 345.47 RCA 107.50 APO 151.77 V2 35.088
 RC 80.046 GL -37.89 GP 10.27 ZAL 95.95 ZAP 67.46 ETS 355.45 ZAE 162.36 ETE 58.48 ZAC 92.40 ETC 14.69 CLP -67.08

PLANETOCENTRIC CONIC

C3 10.197 VHL 3.193 DLA -25.57 RAL 142.56 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 3.034 DPA 16.37 RAP 176.63 ECC 1.1678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 35 1103.69 14.02 337.24 357.59 114.86 8 32 59 503.7 17.26 330.06
 90.00 11 52 53 5672.17 27.82 267.43 1.59 95.51 13 27 25 5072.2 28.29 258.79
 100.00 9 10 52 922.00 12.26 323.00 356.70 117.48 9 26 14 322.0 15.84 316.05
 100.00 13 39 18 5329.09 29.78 242.34 1.75 92.76 15 8 7 4729.1 29.84 233.54
 110.00 9 33 1 852.50 8.58 315.56 354.51 123.22 9 47 13 252.5 12.90 309.11
 110.00 15 33 39 4971.35 34.04 215.15 1.72 86.61 16 56 30 4371.3 33.19 206.01

DIFFERENTIAL CORRECTIONS

TDE .1566 TRA -.2857 TC3 .0293 BAU .1117
 RDE .2051 RRA -.0300 RC3 .8192 FAU .18683
 FDE-5.7620 FRA .3927 FC-15.8618 BSP 2400
 BDE .2581 BRA .2873 BC3 .8197 FSP -3999

MID-COURSE EXECUTION ACCURACY

SGT 634.3 SGR 642.4 SG3 1252.4
 RRT .3612 RRF -.9827 RTF -.3849
 SGB 902.8 R23 -.5151 R13 -.8375
 SG1 744.8 SG2 510.1 THA 46.02

ORBIT DETERMINATION ACCURACY

ST 328.7 SR 368.8 SS 2711.9
 CRT .8785 CRS .9996 CST .8662
 LSA 2751.7 MSA 163.5 SSA 5.3
 EL1 479.0 EL2 120.9 ALF 48.74

LAUNCH DATE JUN 4 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 380.656

RL 151.76 LAL -.00 LOL 252.71 VL 26.941 GAL -.17 AZL 94.39 HCA 167.82 SMA 129.71 ECC .17004 INC 4.3945 V1 29.357
 RP 107.96 LAP -.93 LOP 60.56 VP 37.886 GAP -1.65 AZP 85.70 TAL 180.82 TAP 348.63 RCA 107.66 APO 151.77 V2 35.101
 RC 82.236 GL -39.37 GP 13.23 ZAL 95.73 ZAP 73.12 ETS 355.82 ZAE 161.45 ETE 73.66 ZAC 93.85 ETC 15.50 CLP -72.65

PLANETOCENTRIC CONIC

C3 10.589 VHL 3.254 DLA -26.96 RAL 141.98 RAD 6567.4 VEL 11.488 PTH 2.00 VHP 2.975 DPA 20.02 RAP 175.71 ECC 1.1743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 43 1002.37 16.83 331.13 358.60 113.12 9 1 25 402.4 19.81 323.72
 90.00 11 18 12 5788.70 26.78 275.79 1.74 99.57 12 54 41 5188.7 27.83 267.28
 100.00 9 32 6 849.28 14.50 318.77 357.49 116.43 9 46 16 249.3 17.94 311.66
 100.00 13 13 30 5417.02 29.31 248.84 2.14 96.15 14 43 47 4817.0 29.85 240.08
 110.00 9 45 32 807.12 10.27 313.12 355.03 122.79 9 58 59 207.1 14.52 306.59
 110.00 15 16 33 5031.94 34.18 219.87 2.42 89.40 16 40 25 4431.9 33.72 210.66

DIFFERENTIAL CORRECTIONS

TDE .0396 TRA -.2802 TC3 -.2842 BAU .1460
 RDE .3129 RRA -.0288 RC3 .9914 FAU .19438
 FDE-6.3010 FRA .3298 FC-15.8920 BSP 2706
 BDE .3154 BRA .2817 BC3 1.0314 FSP -4170

MID-COURSE EXECUTION ACCURACY

SGT 587.7 SGR 850.3 SG3 1311.7
 RRT -.0991 RRF -.9933 RTF .0873
 SGB 1033.6 R23 .0980 R13 -.9885
 SG1 854.0 SG2 582.3 THA 97.35

ORBIT DETERMINATION ACCURACY

ST 180.2 SR 551.5 SS 2853.5
 CRT .4138 CRS .9999 CST .4019
 LSA 2907.2 MSA 165.0 SSA 4.2
 EL1 557.0 EL2 162.4 ALF 81.58

LAUNCH DATE JUN 4 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

RL 151.76 LAL -.00 LOL 252.71 VL 26.949 GAL -.14 AZL 94.77 HCA 171.04 SMA 129.76 ECC .16955 INC 4.7654 V1 29.357
 RP 107.92 LAP -.74 LOP 63.78 VP 37.903 GAP -1.20 AZP 85.29 TAL 180.70 TAP 351.74 RCA 107.76 APO 151.77 V2 35.113
 RC 84.440 GL -41.62 GP 18.07 ZAL 95.34 ZAP 78.93 ETS 356.40 ZAE 157.57 ETE 87.50 ZAC 94.80 ETC 16.73 CLP -78.35

DISTANCE 387.065

PLANETOCENTRIC CONIC

C3 11.365 VHL 3.371 DLA -29.10 RAL 141.16 RAD 6567.4 VEL 11.522 PTH 2.01 VHP 2.976 DPA 25.41 RAP 175.57 ECC 1.1870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.00 9 0 10 953.53 23.07 330.06 1.21 108.25 9 16 4 353.5 25.35 322.07
 97.00 10 56 9 5866.54 23.08 280.47 1.22 108.23 12 33 56 5266.5 25.36 272.47
 100.00 10 21 45 688.97 19.12 309.11 359.60 113.43 10 33 14 89.0 22.12 301.60
 100.00 12 17 15 5606.33 27.15 262.48 2.47 103.00 13 50 42 5006.3 28.67 254.01
 110.00 10 8 17 731.37 13.03 308.99 356.28 121.89 10 20 28 131.4 17.15 302.30
 110.00 14 47 13 5136.70 33.95 228.04 3.67 94.23 16 12 50 4536.7 34.17 218.81

DIFFERENTIAL CORRECTIONS

TDE -.1036 TRA -.2839 TC3 -.5904 BAU .2047
 RDE .4950 RRA -.0283 RC3 1.2110 FAU .19182
 FDE -6.8099 FRA .2629 FC-14.6120 BSP 3853
 BDE .5057 BRA .2853 BC3 1.3472 FSP -4224

MID-COURSE EXECUTION ACCURACY

SGT 703.1 SGR 1173.6 SG3 1314.0
 RRT -.5365 RRF -.9978 RTF .5309
 SGB 1368.1 R23 .1868 R13 -.9802
 SG1 1249.4 SG2 557.4 THA 112.54

ORBIT DETERMINATION ACCURACY

ST 242.0 SR 841.7 SS 2977.6
 CRT -.7149 CRS 1.0000 CST -.7193
 LSA 3099.2 MSA 168.0 SSA 3.1
 EL1 860.1 EL2 165.6 ALF 102.07

LAUNCH DATE JUN 4 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

RL 151.76 LAL -.00 LOL 252.71 VL 26.953 GAL -.11 AZL 95.55 HCA 174.26 SMA 129.79 ECC .16928 INC 5.5504 V1 29.357
 RP 107.89 LAP -.55 LOP 66.99 VP 37.918 GAP -.76 AZP 84.48 TAL 180.52 TAP 354.78 RCA 107.82 APO 151.76 V2 35.125
 RC 86.655 GL -45.67 GP 27.38 ZAL 94.66 ZAP 84.75 ETS 357.51 ZAE 148.38 ETE 96.43 ZAC 94.20 ETC 18.63 CLP -84.08

DISTANCE 393.454

PLANETOCENTRIC CONIC

C3 13.282 VHL 3.644 DLA -32.91 RAL 139.52 RAD 6567.5 VEL 11.605 PTH 2.03 VHP 3.127 DPA 34.79 RAP 177.92 ECC 1.2186
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.48 7 37 20 1228.07 25.14 351.49 3.02 111.97 7 57 48 628.1 27.89 343.51
 107.52 12 5 53 5658.12 25.15 265.67 3.03 111.96 13 40 11 5058.1 27.90 257.69
 72.48 7 37 20 1228.07 25.14 351.49 3.02 111.97 7 57 48 628.1 27.89 343.51
 107.52 12 5 53 5658.12 25.15 265.67 3.03 111.96 13 40 11 5058.1 27.90 257.69
 110.00 11 10 49 5827.64 19.62 275.95 .21 118.57 12 47 57 5227.6 23.28 268.72
 110.00 13 31 35 5394.59 30.93 247.50 5.24 105.33 15 1 29 4794.6 32.72 238.73

DIFFERENTIAL CORRECTIONS

TDE -.2964 TRA -.3094 TC3 -.7951 BAU .3002
 RDE .8884 RRA -.0071 RC3 1.4922 FAU .17283
 FDE -7.1744 FRA .0084 FC-11.2653 BSP 6049
 BDE .9365 BRA .3095 BC3 1.6908 FSP -3877

MID-COURSE EXECUTION ACCURACY

SGT 942.7 SGR 1770.2 SG3 1205.4
 RRT -.7631 RRF -.9995 RTF .7607
 SGB 2005.6 R23 .1330 R13 -.9906
 SG1 1925.8 SG2 560.1 THA 114.30

ORBIT DETERMINATION ACCURACY

ST 497.6 SR 1397.1 SS 3048.5
 CRT -.9359 CRS 1.0000 CST -.9368
 LSA 3385.7 MSA 172.7 SSA 2.1
 EL1 1473.7 EL2 166.1 ALF 108.68

LAUNCH DATE JUN 4 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

RL 151.76 LAL -.00 LOL 252.71 VL 26.954 GAL -.06 AZL 98.33 HCA 177.48 SMA 129.80 ECC .16920 INC 8.3241 V1 29.357
 RP 107.85 LAP -.37 LOP 70.21 VP 37.929 GAP -.33 AZP 81.68 TAL 180.28 TAP 357.75 RCA 107.84 APO 151.76 V2 35.137
 RC 88.880 GL -55.34 GP 50.97 ZAL 93.30 ZAP 89.90 ETS .48 ZAE 124.81 ETE 99.79 ZAC 88.13 ETC 21.11 CLP -89.83

DISTANCE 399.818

PLANETOCENTRIC CONIC

C3 22.536 VHL 4.747 DLA -41.75 RAL 134.52 RAD 6567.9 VEL 11.996 PTH 2.14 VHP 4.210 DPA 55.61 RAP 194.28 ECC 1.3709
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.93 6 0 44 1576.04 27.08 20.79 9.56 123.08 6 27 0 976.0 31.23 13.37
 122.07 13 2 39 5554.17 27.09 258.41 9.57 123.07 14 35 14 4954.2 31.24 250.99
 57.93 6 0 44 1576.04 27.08 20.79 9.56 123.08 6 27 0 976.0 31.23 13.37
 122.07 13 2 39 5554.17 27.09 258.41 9.57 123.07 14 35 14 4954.2 31.24 250.99
 57.93 6 0 44 1576.04 27.08 20.79 9.56 123.08 6 27 0 976.0 31.23 13.37
 122.07 13 2 39 5554.17 27.09 258.41 9.57 123.07 14 35 14 4954.2 31.24 250.99

DIFFERENTIAL CORRECTIONS

TDE -.6229 TRA -.4122 TC3 -.5680 BAU .4227
 RDE 2.2462 RRA .1307 RC3 1.2830 FAU .08682
 FDE -6.0439 FRA -.3663 FC3 3.3352 BSP 9309
 BDE 2.3310 BRA .4324 BC3 1.4031 FSP -2049

MID-COURSE EXECUTION ACCURACY

SGT 1140.5 SGR 2979.7 SG3 689.0
 RRT -.8346 RRF -.9999 RTF .8342
 SGB 3190.5 R23 .0638 R13 -.9979
 SG1 3134.0 SG2 597.4 THA 108.41

ORBIT DETERMINATION ACCURACY

ST 778.1 SR 2712.0 SS 2654.7
 CRT -.9721 CRS 1.0000 CST -.9723
 LSA 3869.9 MSA 178.7 SSA 1.0
 EL1 2816.0 EL2 175.8 ALF 105.65

LAUNCH DATE JUN 4 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

RL 151.76 LAL -.00 LOL 252.71 VL 26.952 GAL .00 AZL 76.44 HCA 180.75 SMA 129.79 ECC .16931 INC13.5355 V1 29.357
 RP 107.82 LAP -.17 LOP 73.43 VP 37.939 GAP .11 AZP 103.56 TAL 180.00 TAP .75 RCA 107.81 APO 151.76 V2 35.149
 RC 91.113 GL 63.42 GP -83.92 ZAL 92.00 ZAP 91.40 ETS 352.57 ZAE 99.32 ETE 255.97 ZAC 106.76 ETC 342.06 CLP-103.37

DISTANCE .000

PLANETOCENTRIC CONIC

C3 49.943 VHL 7.067 DLA 62.44 RAL 206.11 RAD 6568.8 VEL 13.088 PTH 2.39 VHP 11.124 DPA -61.48 RAP 108.16 ECC 1.8219
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.71 21 21 27 4610.94 -25.96 229.13 101.39 30.98 22 38 18 4010.9 -32.74 224.67
 148.29 7 13 2 2917.40 -25.96 88.88 101.38 30.97 8 1 39 2317.4 -32.73 84.42
 31.71 21 21 27 4610.94 -25.96 229.13 101.39 30.98 22 38 18 4010.9 -32.74 224.67
 148.29 7 13 2 2917.40 -25.96 88.88 101.38 30.97 8 1 39 2317.4 -32.73 84.42
 31.71 21 21 27 4610.94 -25.96 229.13 101.39 30.98 22 38 18 4010.9 -32.74 224.67
 148.29 7 13 2 2917.40 -25.96 88.88 101.38 30.97 8 1 39 2317.4 -32.73 84.42

DIFFERENTIAL CORRECTIONS

TDE 1.6552 TRA 1.4241 TC3 -.0933 BAU .1813
 RDE 1.4941 RRA 2.5895 RC3 -.2550 FAU .00682
 FDE .7308 FRA 1.2038 FC3 -.1183 BSP 2158
 BDE 2.2299 BRA 2.9553 BC3 .2715 FSP -67

MID-COURSE EXECUTION ACCURACY

SGT 2836.1 SGR 4709.8 SG3 189.8
 RRT .9727 RRF .9999 RTF .9756
 SGB 5497.8 R23 .0486 R13 .9988
 SG1 5468.6 SG2 566.5 THA 59.27

ORBIT DETERMINATION ACCURACY

ST 1536.6 SR 1822.1 SS 833.1
 CRT .9445 CRS -.9997 CST -.9525
 LSA 2492.9 MSA 401.1 SSA .3
 EL1 2351.2 EL2 391.3 ALF 50.14

LAUNCH DATE JUN 4 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 412.520

RL 151.76 LAL -.00 LOL 252.71 VL 26.948 GAL .08 AZL 90.23 HCA 183.95 SMA 129.76 ECC .16960 INC .2062 V1 29.357
 RP 107.78 LAP .02 LOP 76.66 VP 37.946 GAP .52 AZP 89.77 TAL 179.63 TAP 3.58 RCA 107.75 APO 151.76 V2 35.160
 RC 93.352 GL -2.62 GP -36.96 ZAL 95.00 ZAP 98.88 ETS 354.02 ZAE 143.31 ETE 243.27 ZAC 114.27 ETC .66 CLP-101.14

PLANETOCENTRIC CONIC

C3 5.857 VHL 2.420 DLA 6.25 RAL 158.40 RAD 6567.2 VEL 11.281 PTH 1.94 VHP 3.479 DPA -21.91 RAP 145.05 ECC 1.0964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 21 7 2159.70 -18.20 38.04 4.27 112.07 4 57 7 1559.7 -15.05 30.78
 90.00 17 52 46 4413.70 6.88 183.96 3.08 62.46 19 6 20 3813.7 3.14 177.28
 100.00 5 45 26 1887.76 -18.90 17.73 3.96 113.60 6 16 54 1287.8 -15.55 10.54
 100.00 19 11 9 4160.88 7.55 165.01 2.72 60.99 20 20 29 3560.9 3.62 158.42
 110.00 7 0 29 1652.90 -20.75 358.95 3.01 117.80 7 28 2 1052.9 -16.86 351.98
 110.00 20 12 35 3968.50 9.31 149.34 1.65 56.96 21 18 44 3368.5 4.89 143.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0504 TRA .0552 TC3-4.0029 BAU .4591 SGT 1945.6 SGR 2261.4 SG3 968.5 ST 138.4 SR 433.6 SS 677.1
 RDE -.1475 RRA .3493 RC3-4.2841 FAU .14371 RRT .9475 RRF .9999 RTF .9480 CRT .9179 CRS -.9990 CST -.9268
 FDE -.7901 FRA 1.7032 FC-21.2404 BSP 8825 SGB 2983.2 R23 .1352 R13 .9907 LSA 814.0 MSA 52.8 SSA 13.6
 BDE .1558 BRA .3536 BC3 5.8631 FSP -2992 SG1 2944.6 SG2 477.9 THA 49.53 EL1 452.1 EL2 52.7 ALF 73.44

LAUNCH DATE JUN 4 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 418.830

RL 151.76 LAL -.00 LOL 252.71 VL 26.941 GAL .16 AZL 91.66 HCA 187.18 SMA 129.71 ECC .17005 INC 1.6571 V1 29.357
 RP 107.75 LAP .21 LOP 79.88 VP 37.950 GAP .93 AZP 88.35 TAL 179.21 TAP 6.39 RCA 107.65 APO 151.77 V2 35.170
 RC 95.596 GL -17.78 GP -21.88 ZAL 93.83 ZAP 104.97 ETS 354.62 ZAE 153.20 ETE 222.40 ZAC 115.07 ETC 6.78 CLP-106.17

PLANETOCENTRIC CONIC

C3 6.527 VHL 2.555 DLA -8.19 RAL 153.66 RAD 6567.2 VEL 11.310 PTH 1.94 VHP 3.095 DPA -7.28 RAP 149.19 ECC 1.1074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 50 51 1726.09 -5.50 12.54 359.46 117.82 6 19 37 1126.1 -1.74 5.89
 90.00 15 45 15 4883.71 20.17 212.03 1.15 69.69 17 6 38 4283.7 17.22 204.59
 100.00 7 8 14 1476.46 -6.21 353.80 359.07 119.30 7 32 50 876.5 -2.26 347.24
 100.00 17 10 33 4608.58 20.92 191.49 .84 68.15 18 27 22 4008.6 17.77 184.11
 110.00 8 7 26 1291.07 -8.06 338.60 357.94 123.33 8 28 57 691.1 -3.62 332.33
 110.00 18 27 50 4366.73 22.90 172.17 359.89 63.90 19 40 37 3766.7 19.20 164.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3597 TRA -.0010 TC3-4.2178 BAU .4244 SGT 2301.1 SGR 1411.7 SG3 1230.9 ST 809.2 SR 572.8 SS 1651.2
 RDE -.2495 RRA .1710 RC3-2.4206 FAU .18208 RRT .9592 RRF .9995 RTF .9601 CRT .9789 CRS -.9997 CST -.9831
 FDE -2.7030 FRA 1.6480 FC-24.1501 BSP 7964 SGB 2699.7 R23 .2031 R13 .9786 LSA 1921.1 MSA 137.0 SSA 3.9
 BDE .4377 BRA .1710 BC3 4.8630 FSP -3865 SG1 2677.8 SG2 343.1 THA 31.04 EL1 986.7 EL2 95.9 ALF 35.10

LAUNCH DATE JUN 4 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 425.122

RL 151.76 LAL -.00 LOL 252.71 VL 26.931 GAL .26 AZL 92.20 HCA 190.41 SMA 129.64 ECC .17067 INC 2.2022 V1 29.357
 RP 107.72 LAP .40 LOP 83.11 VP 37.953 GAP 1.33 AZP 87.83 TAL 178.74 TAP 9.15 RCA 107.52 APO 151.77 V2 35.180
 RC 97.843 GL -22.92 GP -15.12 ZAL 92.70 ZAP 110.25 ETS 355.13 ZAE 154.03 ETE 206.60 ZAC 115.72 ETC 9.62 CLP-111.01

PLANETOCENTRIC CONIC

C3 7.065 VHL 2.658 DLA -13.34 RAL 152.65 RAD 6567.2 VEL 11.334 PTH 1.95 VHP 3.057 DPA -.41 RAP 150.08 ECC 1.1163
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 8 1569.22 -.47 3.77 359.62 118.31 6 55 17 969.2 3.32 357.13
 90.00 14 58 53 5068.19 24.04 224.16 2.43 74.57 16 23 22 4468.2 21.69 216.28
 100.00 7 43 30 1329.26 -1.25 345.69 359.19 119.87 8 5 40 729.3 2.73 339.17
 100.00 16 27 12 4783.38 24.90 202.94 2.15 72.91 17 46 55 4183.4 22.33 195.09
 110.00 8 36 5 1164.57 -3.28 331.93 357.92 124.04 8 55 30 564.6 1.21 325.72
 110.00 17 51 7 4520.83 27.16 182.12 1.27 68.39 19 6 27 3920.8 23.98 174.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.5519 TRA -.0021 TC3-4.4465 BAU .4460 SGT 2646.3 SGR 991.5 SG3 1276.5 ST 1191.7 SR 460.2 SS 2029.4
 RDE -.2101 RRA .1164 RC3-1.5866 FAU .18686 RRT .9648 RRF .9977 RTF .9669 CRT .9856 CRS -.9995 CST -.9904
 FDE -3.5274 FRA 1.5829 FC-22.8960 BSP 8429 SGB 2826.0 R23 .2158 R13 .9742 LSA 2393.6 MSA 145.7 SSA 4.6
 BDE .5905 BRA .1164 BC3 4.7211 FSP -4064 SG1 2815.3 SG2 245.1 THA 20.03 EL1 1275.4 EL2 72.8 ALF 20.91

LAUNCH DATE JUN 4 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 431.397

RL 151.76 LAL -.00 LOL 252.71 VL 26.920 GAL .37 AZL 92.49 HCA 193.64 SMA 129.56 ECC .17145 INC 2.4908 V1 29.357
 RP 107.69 LAP .59 LOP 86.34 VP 37.954 GAP 1.73 AZP 87.58 TAL 178.22 TAP 11.86 RCA 107.35 APO 151.78 V2 35.190
 RC 100.092 GL -25.40 GP -11.36 ZAL 91.55 ZAP 115.04 ETS 355.54 ZAE 152.29 ETE 197.14 ZAC 116.37 ETC 11.30 CLP-115.57

PLANETOCENTRIC CONIC

C3 7.438 VHL 2.727 DLA -16.06 RAL 152.72 RAD 6567.2 VEL 11.350 PTH 1.96 VHP 3.100 DPA 3.57 RAP 150.12 ECC 1.1224
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 3 1481.93 2.35 358.90 .63 118.23 7 18 45 881.9 6.11 352.23
 90.00 14 34 29 5173.82 25.76 231.42 4.01 77.82 16 0 43 4573.8 23.82 223.29
 100.00 8 6 27 1248.32 1.50 341.25 .16 119.86 8 27 15 648.3 5.46 334.70
 100.00 16 4 46 4882.66 26.71 209.76 3.76 76.06 17 26 9 4282.7 24.53 201.64
 110.00 8 54 51 1096.66 -.68 328.38 358.80 124.18 9 13 8 496.7 3.80 322.17
 110.00 17 32 51 4607.08 29.18 188.01 2.95 71.35 18 49 38 4007.1 26.36 179.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7057 TRA .0173 TC3-4.7070 BAU .4821 SGT 2965.0 SGR 749.1 SG3 1249.4 ST 1484.6 SR 348.9 SS 2181.7
 RDE -.1632 RRA .0934 RC3-1.1622 FAU .18121 RRT .9652 RRF .9930 RTF .9710 CRT .9858 CRS -.9986 CST -.9930
 FDE -3.8426 FRA 1.5571 FC-21.0919 BSP 9186 SGB 3058.2 R23 .1983 R13 .9742 LSA 2657.8 MSA 148.3 SSA 5.5
 BDE .7243 BRA .0950 BC3 4.8484 FSP -3973 SG1 3052.3 SG2 190.4 THA 13.76 EL1 1524.0 EL2 57.1 ALF 13.06

LAUNCH DATE JUN 4 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 437.652

RL 151.76 LAL -.00 LOL 252.71 VL 26.906 GAL .49 AZL 92.67 MCA 196.88 SMA 129.47 ECC .17238 INC 2.6702 V1 29.357
 RP 107.66 LAP .78 LOP 89.57 VP 37.953 GAP 2.12 AZP 87.44 TAL 177.65 TAP 14.52 RCA 107.15 APO 151.79 V2 35.199
 RC 102.344 GL -26.81 GP -8.98 ZAL 90.34 ZAP 119.43 ETS 355.86 ZAE 149.90 ETE 191.62 ZAC 116.91 ETC 12.44 CLP-119.83

PLANETOCENTRIC CONIC

C3 7.724 VHL 2.779 DLA -17.82 RAL 153.28 RAD 6567.3 VEL 11.363 PTH 1.96 VHP 3.180 DPA 6.15 RAP 149.96 ECC 1.1271
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 38 1422.49 4.26 355.57 1.97 118.02 7 37 20 822.5 7.97 348.86
 90.00 14 19 27 5246.91 26.71 236.56 5.68 80.22 15 46 53 4646.9 25.09 228.27
 100.00 8 24 30 1193.81 3.34 338.25 1.46 119.72 8 44 24 593.8 7.27 331.67
 100.00 15 51 15 4950.83 27.74 214.56 5.47 78.39 17 13 46 4350.8 25.86 206.27
 110.00 9 9 48 1051.88 1.03 326.05 .02 124.17 9 27 20 451.9 5.51 319.82
 110.00 17 22 27 4665.53 30.38 192.14 4.71 73.52 18 40 12 4065.5 27.82 183.88

DIFFERENTIAL CORRECTIONS

TDE -.8414 TRA .0469 TC3-4.9681 BAU .5217
 RDE -.1238 RRA .0817 RC3 -.9192 FAU .17220
 FDE-3.9304 FRA 1.5384 FC-19.3015 BSP 10072
 BDE .8505 BRA .0942 BC3 5.0524 FSP -3836

MID-COURSE EXECUTION ACCURACY

SGT 3262.7 SGR 597.9 SG3 1196.7
 RRT .9594 RRF .9828 RTF .9741
 SGB 3317.0 R23 .1624 R13 .9755
 SG1 3312.8 SG2 166.0 THA 10.00

ORBIT DETERMINATION ACCURACY

ST 1736.9 SR 261.1 SS 2244.7
 CRT .9825 CRS -.9964 CST -.9945
 LSA 2846.4 MSA 148.0 SSA 6.6
 EL1 1755.8 EL2 48.1 ALF 8.41

LAUNCH DATE JUN 4 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 443.889

RL 151.76 LAL -.00 LOL 252.71 VL 26.890 GAL .62 AZL 92.79 MCA 200.11 SMA 129.37 ECC .17346 INC 2.7933 V1 29.357
 RP 107.63 LAP .96 LOP 92.80 VP 37.950 GAP 2.51 AZP 87.38 TAL 177.02 TAP 17.14 RCA 106.93 APO 151.81 V2 35.208
 RC 104.596 GL -27.67 GP -7.33 ZAL 89.06 ZAP 123.48 ETS 356.13 ZAE 147.43 ETE 188.29 ZAC 117.28 ETC 13.28 CLP-123.80

PLANETOCENTRIC CONIC

C3 7.965 VHL 2.822 DLA -19.12 RAL 154.16 RAD 6567.3 VEL 11.373 PTH 1.96 VHP 3.280 DPA 7.94 RAP 149.82 ECC 1.1311
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 46 1376.87 5.71 353.01 3.51 117.78 7 53 43 776.9 9.39 346.25
 90.00 14 9 19 5303.85 27.30 240.62 7.45 82.18 15 37 43 4703.9 25.94 232.22
 100.00 8 40 19 1152.41 4.73 335.97 2.97 119.55 8 59 32 552.4 8.63 329.35
 100.00 15 42 27 5003.54 28.40 218.34 7.25 80.27 17 5 51 4403.5 26.77 209.92
 110.00 9 23 3 1018.52 2.30 324.31 1.46 124.11 9 40 1 418.5 6.76 318.06
 110.00 17 16 13 4710.19 31.20 195.36 6.56 75.27 18 34 43 4110.2 28.86 186.94

DIFFERENTIAL CORRECTIONS

TDE -.9641 TRA .0903 TC3-5.1943 BAU .5591
 RDE -.0910 RRA .0772 RC3 -.7629 FAU .16069
 FDE-3.8883 FRA 1.5666 FC-17.4655 BSP 10857
 BDE .9684 BRA .1188 BC3 5.2501 FSP -3600

MID-COURSE EXECUTION ACCURACY

SGT 3530.6 SGR 497.1 SG3 1129.3
 RRT .9439 RRF .9639 RTF .9754
 SGB 3565.5 R23 .1250 R13 .9761
 SG1 3561.7 SG2 162.8 THA 7.59

ORBIT DETERMINATION ACCURACY

ST 1960.2 SR 191.8 SS 2256.7
 CRT .9728 CRS -.9904 CST -.9952
 LSA 2991.6 MSA 148.3 SSA 7.7
 EL1 1969.0 EL2 44.3 ALF 5.44

LAUNCH DATE JUN 4 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 450.106

RL 151.76 LAL -.00 LOL 252.71 VL 26.873 GAL .77 AZL 92.88 MCA 203.35 SMA 129.25 ECC .17469 INC 2.8834 V1 29.357
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.945 GAP 2.90 AZP 87.35 TAL 176.35 TAP 19.71 RCA 106.67 APO 151.83 V2 35.216
 RC 106.849 GL -28.19 GP -6.14 ZAL 87.69 ZAP 127.22 ETS 356.35 ZAE 145.09 ETE 186.20 ZAC 117.44 ETC 13.90 CLP-127.47

PLANETOCENTRIC CONIC

C3 8.188 VHL 2.861 DLA -20.16 RAL 155.27 RAD 6567.3 VEL 11.383 PTH 1.97 VHP 3.395 DPA 9.21 RAP 149.81 ECC 1.1347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 46 43 1339.07 6.91 350.87 5.22 117.53 8 9 2 739.1 10.54 344.08
 90.00 14 2 9 5351.85 27.70 244.08 9.31 83.87 15 31 21 4751.9 26.56 235.60
 100.00 8 55 4 1118.49 5.87 334.09 4.65 119.36 9 13 43 518.5 9.74 327.44
 100.00 15 36 29 5047.66 28.87 221.54 9.14 81.89 17 0 37 4447.7 27.45 213.02
 110.00 9 35 31 991.74 3.33 322.91 3.08 124.04 9 52 3 391.7 7.77 316.64
 110.00 17 12 32 4747.18 31.81 198.07 8.50 76.76 18 31 39 4147.2 29.66 189.52

DIFFERENTIAL CORRECTIONS

TDE-1.0824 TRA .1363 TC3-5.4126 BAU .5969
 RDE -.0644 RRA .0746 RC3 -.6636 FAU .15016
 FDE-3.8030 FRA 1.5670 FC-15.8772 BSP 11697
 BDE 1.0843 BRA .1554 BC3 5.4531 FSP -3405

MID-COURSE EXECUTION ACCURACY

SGT 3791.6 SGR 431.4 SG3 1064.2
 RRT .9181 RRF .9341 RTF .9768
 SGB 3816.1 R23 .0894 R13 .9772
 SG1 3812.3 SG2 170.0 THA 5.98

ORBIT DETERMINATION ACCURACY

ST 2171.1 SR 137.9 SS 2254.4
 CRT .9504 CRS -.9741 CST -.9959
 LSA 3129.4 MSA 146.6 SSA 8.8
 EL1 2175.0 EL2 42.8 ALF 3.46

LAUNCH DATE JUN 4 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 456.304

RL 151.76 LAL -.00 LOL 252.71 VL 26.854 GAL .93 AZL 92.95 MCA 206.59 SMA 129.12 ECC .17607 INC 2.9528 V1 29.357
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.938 GAP 3.28 AZP 87.36 TAL 175.64 TAP 22.23 RCA 106.39 APO 151.86 V2 35.223
 RC 109.101 GL -28.50 GP -5.24 ZAL 86.25 ZAP 130.66 ETS 356.53 ZAE 142.92 ETE 184.83 ZAC 117.39 ETC 14.37 CLP-130.87

PLANETOCENTRIC CONIC

C3 8.405 VHL 2.899 DLA -21.03 RAL 156.55 RAD 6567.3 VEL 11.393 PTH 1.97 VHP 3.522 DPA 10.11 RAP 149.95 ECC 1.1383
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 2 11 1306.05 7.94 349.00 7.08 117.27 8 23 57 706.0 11.54 342.16
 90.00 13 56 54 5394.69 27.97 247.19 11.28 85.40 15 26 49 4794.7 27.04 238.64
 100.00 9 9 22 1089.22 6.84 332.47 6.48 119.17 9 27 31 489.2 10.68 325.78
 100.00 15 32 24 5086.76 29.21 224.39 11.14 83.36 16 57 11 4486.8 27.99 215.80
 110.00 9 47 41 969.10 4.19 321.72 4.85 123.96 10 3 50 369.1 8.62 315.43
 110.00 17 10 34 4779.63 32.29 200.48 10.55 78.11 18 30 14 4179.6 30.31 191.82

DIFFERENTIAL CORRECTIONS

TDE-1.1905 TRA .1930 TC3-5.5847 BAU .6311
 RDE -.0410 RRA .0746 RC3 -.5926 FAU .13899
 FDE-3.6607 FRA 1.5859 FC-14.3161 BSP 12431
 BDE 1.1912 BRA .2069 BC3 5.6160 FSP -3184

MID-COURSE EXECUTION ACCURACY

SGT 4023.5 SGR 386.7 SG3 994.6
 RRT .8790 RRF .8914 RTF .9775
 SGB 4042.0 R23 .0637 R13 .9777
 SG1 4037.8 SG2 183.8 THA 4.84

ORBIT DETERMINATION ACCURACY

ST 2358.0 SR 94.4 SS 2283.8
 CRT .8867 CRS -.9222 CST -.9963
 LSA 3239.3 MSA 145.3 SSA 9.9
 EL1 2359.5 EL2 43.6 ALF 2.03

LAUNCH DATE JUN 4 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 462.483

RL 151.76 LAL -.00 LOL 252.71 VL 26.834 GAL 1.10 AZL 93.01 HCA 209.84 SMA 128.99 ECC .17760 INC 3.0080 V1 29.357
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.930 GAP 3.66 AZP 87.39 TAL 174.88 TAP 24.72 RCA 106.08 APO 151.89 V2 35.230
 RC 111.351 GL -28.64 GP -4.53 ZAL 84.73 ZAP 133.85 ETS 356.67 ZAE 140.95 ETE 183.90 ZAC 117.14 ETC 14.71 CLP-134.02

PLANETOCENTRIC CONIC

C3 8.628 VHL 2.937 DLA -21.80 RAL 157.98 RAD 6567.3 VEL 11.403 PTH 1.97 VHP 3.658 DPA 10.75 RAP 150.27 ECC 1.1420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 29 1276.22 8.87 347.29 9.09 117.00 8 38 45 676.2 12.42 340.42
 90.00 13 53 1 5434.43 28.15 250.08 13.36 86.84 15 23 35 4834.4 27.42 241.49
 100.00 9 23 30 1063.12 7.71 331.01 8.46 118.97 9 41 13 463.1 11.51 324.29
 100.00 15 29 40 5122.75 29.47 227.04 13.25 84.73 16 55 3 4522.8 28.42 218.39
 110.00 9 59 47 949.40 4.94 320.69 6.76 123.87 10 15 36 349.4 9.35 314.38
 110.00 17 9 53 4809.24 32.68 202.70 12.72 79.37 18 30 2 4209.2 30.87 193.95

DIFFERENTIAL CORRECTIONS

TDE-1.2957 TRA .2560 TC3-5.7277 BAU .6637
 RDE -.0208 RRA .0757 RC3 -.5422 FAU .12854
 FDE-3.5124 FRA 1.6008 FC-12.8973 BSP 13157
 BDE 1.2959 BRA .2670 BC3 5.7533 FSP -2986

MID-COURSE EXECUTION ACCURACY

SGT 4242.5 SGR 358.4 SG3 929.2
 RRT .8286 RRF .8371 RTF .9779
 SGB 4257.7 R23 .0446 R13 .9781
 SG1 4252.9 SG2 200.1 THA 4.01

ORBIT DETERMINATION ACCURACY

ST 2534.5 SR 63.3 SS 2189.8
 CRT .6918 CRS -.7472 CST -.9966
 LSA 3347.0 MSA 143.5 SSA 11.0
 EL1 2534.9 EL2 45.7 ALF .99

LAUNCH DATE JUN 4 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 468.642

RL 151.76 LAL -.00 LOL 252.71 VL 26.813 GAL 1.29 AZL 93.05 HCA 213.08 SMA 128.84 ECC .17928 INC 3.0533 V1 29.357
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.921 GAP 4.04 AZP 87.44 TAL 174.08 TAP 27.16 RCA 105.74 APO 151.94 V2 35.236
 RC 113.598 GL -28.66 GP -3.97 ZAL 83.13 ZAP 136.80 ETS 356.78 ZAE 139.18 ETE 183.27 ZAC 116.69 ETC 14.96 CLP-136.94

PLANETOCENTRIC CONIC

C3 8.865 VHL 2.977 DLA -22.50 RAL 159.54 RAD 6567.3 VEL 11.413 PTH 1.98 VHP 3.802 DPA 11.17 RAP 150.77 ECC 1.1459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 50 1248.63 9.72 345.71 11.24 116.73 8 53 38 648.6 13.23 338.79
 90.00 13 50 7 5472.33 28.27 252.85 15.56 88.22 15 21 19 4872.3 27.72 244.22
 100.00 9 37 40 1039.37 8.49 329.68 10.58 118.77 9 54 59 439.4 12.26 322.92
 100.00 15 27 58 5156.83 29.65 229.55 15.48 86.04 16 53 55 4556.8 28.79 220.86
 110.00 10 11 56 931.94 5.60 319.77 8.82 123.78 10 27 28 331.9 10.00 313.44
 110.00 17 10 11 4837.02 33.01 204.80 15.02 80.58 18 30 48 4237.0 31.36 195.97

DIFFERENTIAL CORRECTIONS

TDE-1.3960 TRA .3269 TC3-5.8336 BAU .6940
 RDE -.0025 RRA .0779 RC3 -.5041 FAU .11859
 FDE-3.3526 FRA 1.6174 FC-11.5807 BSP 13800
 BDE 1.3960 BRA .3361 BC3 5.8554 FSP -2782

MID-COURSE EXECUTION ACCURACY

SGT 4443.9 SGR 341.3 SG3 866.3
 RRT .7689 RRF .7738 RTF .9781
 SGB 4457.0 R23 .0311 R13 .9782
 SG1 4451.7 SG2 217.8 THA 3.39

ORBIT DETERMINATION ACCURACY

ST 2696.2 SR 49.7 SS 2146.4
 CRT .1769 CRS -.2520 CST -.9968
 LSA 3443.7 MSA 141.9 SSA 12.0
 EL1 2696.2 EL2 49.0 ALF .19

LAUNCH DATE JUN 4 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 474.781

RL 151.76 LAL -.00 LOL 252.71 VL 26.790 GAL 1.49 AZL 93.09 HCA 216.32 SMA 128.69 ECC .18111 INC 3.0914 V1 29.357
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.910 GAP 4.42 AZP 87.51 TAL 173.25 TAP 29.57 RCA 105.38 APO 152.00 V2 35.241
 RC 115.842 GL -28.57 GP -3.52 ZAL 81.46 ZAP 139.53 ETS 356.86 ZAE 137.58 ETE 182.82 ZAC 116.07 ETC 15.12 CLP-139.66

PLANETOCENTRIC CONIC

C3 9.122 VHL 3.020 DLA -23.13 RAL 161.21 RAD 6567.3 VEL 11.424 PTH 1.98 VHP 3.954 DPA 11.42 RAP 151.44 ECC 1.1501
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 21 1222.77 10.50 344.22 13.53 116.45 9 8 44 622.8 13.97 337.26
 90.00 13 47 59 5509.18 28.31 255.54 17.87 89.57 15 19 48 4909.2 27.95 246.89
 100.00 9 51 56 1017.50 9.20 328.45 12.84 118.57 10 8 54 417.5 12.95 321.66
 100.00 15 27 5 5189.68 29.78 231.99 17.83 87.31 16 53 34 4589.7 29.09 223.25
 110.00 10 24 12 916.36 6.19 318.95 11.00 123.69 10 39 28 316.4 10.57 312.60
 110.00 17 11 19 4863.58 33.29 206.83 17.43 81.74 18 32 22 4263.6 31.79 197.92

DIFFERENTIAL CORRECTIONS

TDE-1.4930 TRA .4049 TC3-5.9058 BAU .7225
 RDE .0144 RRA .0807 RC3 -.4742 FAU .10936
 FDE-3.1931 FRA 1.6302 FC-10.3798 BSP 14422
 BDE 1.4931 BRA .4129 BC3 5.9248 FSP -2601

MID-COURSE EXECUTION ACCURACY

SGT 4630.9 SGR 332.4 SG3 807.3
 RRT .7040 RRF .7053 RTF .9783
 SGB 4642.8 R23 .0209 R13 .9783
 SG1 4636.9 SG2 235.8 THA 2.90

ORBIT DETERMINATION ACCURACY

ST 2845.4 SR 57.5 SS 2099.0
 CRT -.3892 CRS .3197 CST -.9970
 LSA 3533.5 MSA 140.1 SSA 13.1
 EL1 2845.5 EL2 53.0 ALF 179.55

LAUNCH DATE JUN 4 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 480.900

RL 151.76 LAL -.00 LOL 252.71 VL 26.766 GAL 1.70 AZL 93.12 HCA 219.57 SMA 128.53 ECC .18310 INC 3.1241 V1 29.357
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.897 GAP 4.79 AZP 87.59 TAL 172.38 TAP 31.95 RCA 105.00 APO 152.06 V2 35.246
 RC 118.080 GL -28.39 GP -3.14 ZAL 79.72 ZAP 142.07 ETS 356.91 ZAE 136.14 ETE 182.50 ZAC 115.28 ETC 15.21 CLP-142.18

PLANETOCENTRIC CONIC

C3 9.404 VHL 3.067 DLA -23.71 RAL 163.00 RAD 6567.3 VEL 11.437 PTH 1.98 VHP 4.112 DPA 11.54 RAP 152.26 ECC 1.1548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 4 5 1198.33 11.24 342.80 15.95 116.16 9 24 3 598.3 14.67 335.80
 90.00 13 46 29 5545.46 28.30 258.19 20.30 90.90 15 18 54 4945.5 28.13 249.53
 100.00 10 6 22 997.29 9.86 327.30 15.23 118.36 10 22 59 397.3 13.57 320.49
 100.00 15 26 53 5221.74 29.86 234.37 20.29 88.56 16 53 55 4621.7 29.34 225.60
 110.00 10 36 35 902.50 6.71 318.21 13.32 123.60 10 51 38 302.5 11.08 311.85
 110.00 17 13 9 4889.29 33.52 208.80 19.97 82.89 18 34 38 4289.3 32.18 199.82

DIFFERENTIAL CORRECTIONS

TDE-1.5850 TRA .4932 TC3-5.9321 BAU .7479
 RDE .0304 RRA .0841 RC3 -.4486 FAU .10047
 FDE-3.0315 FRA 1.6488 FC3-9.2490 BSP 14956
 BDE 1.5853 BRA .5003 BC3 5.9490 FSP -2421

MID-COURSE EXECUTION ACCURACY

SGT 4797.9 SGR 329.2 SG3 751.1
 RRT .6367 RRF .6348 RTF .9781
 SGB 4809.2 R23 .0134 R13 .9781
 SG1 4802.5 SG2 253.6 THA 2.51

ORBIT DETERMINATION ACCURACY

ST 2978.8 SR 77.1 SS 2045.1
 CRT -.6603 CRS .6042 CST -.9972
 LSA 3611.4 MSA 138.9 SSA 14.0
 EL1 2979.2 EL2 57.9 ALF 179.02

LAUNCH DATE JUN 4 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 486.997

RL 151.76 LAL -.00 LOL 252.71 VL 26.741 GAL 1.93 AZL 93.15 HCA 222.82 SMA 128.36 ECC .18526 INC 3.1525 V1 29.357
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.883 GAP 5.17 AZP 87.69 TAL 171.47 TAP 34.29 RCA 104.58 APO 152.14 V2 35.250
 RC 120.312 GL -28.13 GP -2.83 ZAL 77.92 ZAP 144.44 ETS 356.94 ZAE 134.86 ETE 182.26 ZAC 114.34 ETC 15.24 CLP-144.53

PLANETOCENTRIC CONIC

C3 9.718 VHL 3.117 DLA -24.25 RAL 164.87 RAD 6567.4 VEL 11.450 PTH 1.99 VHP 4.277 DPA 11.53 RAP 153.22 ECC 1.1599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 20 2 1175.22 11.93 341.46 18.51 115.87 9 39 37 575.2 15.32 334.41
 90.00 13 45 30 5581.47 28.24 260.83 22.84 92.22 15 18 31 4981.5 28.25 252.16
 100.00 10 20 55 978.67 10.46 326.25 17.74 118.16 10 37 14 378.7 14.14 319.40
 100.00 15 27 18 5253.24 29.89 236.71 22.87 89.80 16 54 51 4653.2 29.54 227.92
 110.00 10 49 5 890.32 7.17 317.57 15.76 123.51 11 3 56 290.3 11.52 311.18
 110.00 17 15 37 4914.36 33.72 210.73 22.63 84.01 18 37 31 4314.4 32.52 201.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6766 TRA .5881 TC3-5.9324 BAU .7727 SGT 4957.9 SGR 330.2 SG3 700.2 ST 3104.0 SR 99.6 SS 1993.1
 RDE .0456 RRA .0878 RC3 -.4265 FAU .09250 RRT .5709 RRF .5659 RTF .9780 CRT -.7724 CRS .7257 CST -.9973
 FDE-2.8822 FRA 1.6619 FC3-8.2402 BSP 15499 SGB 4968.9 R23 .0071 R13 .9780 LSA 3687.5 MSA 137.6 SSA 14.9
 BDE 1.6772 BRA .5946 BC3 5.9477 FSP -2266 SG1 4961.5 SG2 270.9 THA 2.18 EL1 3104.9 EL2 63.2 ALF 178.58

LAUNCH DATE JUN 4 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 493.073

RL 151.76 LAL -.00 LOL 252.71 VL 26.715 GAL 2.17 AZL 93.18 HCA 226.06 SMA 128.19 ECC .18759 INC 3.1776 V1 29.357
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.868 GAP 5.55 AZP 87.79 TAL 170.54 TAP 36.60 RCA 104.15 APO 152.24 V2 35.253
 RC 122.538 GL -27.80 GP -2.57 ZAL 76.08 ZAP 146.65 ETS 356.93 ZAE 133.71 ETE 182.09 ZAC 113.26 ETC 15.23 CLP-146.74

PLANETOCENTRIC CONIC

C3 10.069 VHL 3.173 DLA -24.75 RAL 166.83 RAD 6567.4 VEL 11.465 PTH 1.99 VHP 4.447 DPA 11.42 RAP 154.31 ECC 1.1657
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 11 1153.40 12.58 340.18 21.19 115.58 9 55 24 553.4 15.92 333.10
 90.00 13 44 59 5617.37 28.11 263.44 25.48 93.53 15 18 36 5017.4 28.31 254.78
 100.00 10 35 34 961.68 11.00 325.28 20.38 117.97 10 51 36 361.7 14.66 318.40
 100.00 15 28 17 5284.32 29.88 239.02 25.56 91.01 16 56 21 4684.3 29.70 230.22
 110.00 11 1 40 879.84 7.56 317.01 18.31 123.44 11 16 19 279.8 11.91 310.61
 110.00 17 18 41 4938.93 33.88 212.63 25.40 85.13 18 41 0 4338.9 32.83 203.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7654 TRA .6915 TC3-5.8986 BAU .7959 SGT 5105.3 SGR 334.0 SG3 652.9 ST 3216.2 SR 122.7 SS 1938.4
 RDE .0607 RRA .0916 RC3 -.4060 FAU .08513 RRT .5077 RRF .4999 RTF .9779 CRT -.8258 CRS .7851 CST -.9975
 FDE-2.7377 FRA 1.6744 FC3-7.3200 BSP 15987 SGB 5116.2 R23 .0022 R13 .9779 LSA 3754.7 MSA 136.7 SSA 15.7
 BDE 1.7664 BRA .6975 BC3 5.9426 FSP -2117 SG1 5108.2 SG2 287.6 THA 1.91 EL1 3217.8 EL2 69.1 ALF 178.20

LAUNCH DATE JUN 4 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 499.127

RL 151.76 LAL -.00 LOL 252.71 VL 26.688 GAL 2.42 AZL 93.20 HCA 229.31 SMA 128.02 ECC .19009 INC 3.2002 V1 29.357
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.852 GAP 5.93 AZP 87.91 TAL 169.57 TAP 38.88 RCA 103.68 APO 152.35 V2 35.256
 RC 124.755 GL -27.40 GP -2.34 ZAL 74.18 ZAP 148.72 ETS 356.91 ZAE 132.67 ETE 181.96 ZAC 112.06 ETC 15.18 CLP-148.80

PLANETOCENTRIC CONIC

C3 10.463 VHL 3.235 DLA -25.20 RAL 168.87 RAD 6567.4 VEL 11.483 PTH 2.00 VHP 4.623 DPA 11.22 RAP 155.52 ECC 1.1722
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 52 29 1132.97 13.17 338.98 23.99 115.29 10 11 22 533.0 16.47 331.85
 90.00 13 44 54 5653.22 27.94 266.05 28.21 94.83 15 19 8 5053.2 28.31 257.41
 100.00 10 50 16 946.42 11.49 324.41 23.12 117.79 11 6 2 346.4 15.12 317.50
 100.00 15 29 49 5315.01 29.82 241.30 28.35 92.21 16 58 24 4715.0 29.81 232.49
 110.00 11 14 15 871.14 7.89 316.55 20.97 123.37 11 28 46 271.1 12.22 310.14
 110.00 17 22 18 4963.05 34.00 214.50 28.28 86.23 18 45 1 4363.0 33.10 205.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8532 TRA .8038 TC3-5.8315 BAU .8175 SGT 5242.5 SGR 339.6 SG3 609.3 ST 3318.3 SR 145.4 SS 1884.1
 RDE .0756 RRA .0956 RC3 -.3861 FAU .07829 RRT .4477 RRF .4373 RTF .9776 CRT -.8545 CRS .8177 CST -.9976
 FDE-2.6028 FRA 1.6872 FC3-6.4781 BSP 16460 SGB 5253.5 R23 -.0021 R13 .9776 LSA 3816.2 MSA 136.4 SSA 16.3
 BDE 1.8547 BRA .8095 BC3 5.8443 FSP -1984 SG1 5244.7 SG2 303.5 THA 1.67 EL1 3320.6 EL2 75.5 ALF 177.85

LAUNCH DATE JUN 4 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 505.157

RL 151.76 LAL -.00 LOL 252.71 VL 26.661 GAL 2.69 AZL 93.22 HCA 232.56 SMA 127.84 ECC .19278 INC 3.2206 V1 29.357
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.834 GAP 6.32 AZP 88.04 TAL 168.58 TAP 41.14 RCA 103.19 APO 152.48 V2 35.258
 RC 126.964 GL -26.94 GP -2.15 ZAL 72.25 ZAP 150.68 ETS 356.86 ZAE 131.75 ETE 181.86 ZAC 110.75 ETC 15.10 CLP-150.75

PLANETOCENTRIC CONIC

C3 10.906 VHL 3.302 DLA -25.62 RAL 170.96 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 4.804 DPA 10.94 RAP 156.83 ECC 1.1795
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 8 51 1114.07 13.72 337.86 26.89 115.01 10 27 25 514.1 16.98 330.70
 90.00 13 45 15 5689.00 27.70 268.64 31.04 96.11 15 20 4 5089.0 28.26 260.02
 100.00 11 4 54 933.06 11.91 323.64 25.97 117.62 11 20 27 333.1 15.52 316.71
 100.00 15 31 53 5345.24 29.72 243.54 31.23 93.39 17 0 58 4745.2 29.87 234.74
 110.00 11 26 48 864.36 8.14 316.19 23.72 123.31 11 41 13 264.4 12.47 309.76
 110.00 17 26 28 4986.72 34.09 216.35 31.26 87.32 18 49 35 4386.7 33.34 207.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9384 TRA .9257 TC3-5.7336 BAU .8377 SGT 5368.8 SGR 346.3 SG3 569.0 ST 3407.1 SR 167.7 SS 1827.9
 RDE .0907 RRA .0995 RC3 -.3662 FAU .07201 RRT .3915 RRF .3789 RTF .9774 CRT -.8712 CRS .8372 CST -.9977
 FDE-2.4735 FRA 1.6995 FC3-5.7163 BSP 16891 SGB 5379.9 R23 -.0056 R13 .9774 LSA 3867.7 MSA 136.6 SSA 16.8
 BDE 1.9405 BRA .9310 BC3 5.7453 FSP -1860 SG1 5370.5 SG2 318.5 THA 1.45 EL1 3410.3 EL2 82.2 ALF 177.54

LAUNCH DATE JUN 4 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 511.164

RL 151.76 LAL -.00 LOL 252.71 VL 26.633 GAL 2.98 AZL 93.24 HCA 235.80 SMA 127.65 ECC .19567 INC 3.2394 V1 29.357
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.815 GAP 6.71 AZP 88.18 TAL 167.56 TAP 43.37 RCA 102.67 APO 152.63 V2 35.259
 RC 129.165 GL -26.43 GP -1.98 ZAL 70.29 ZAP 152.52 ETS 356.80 ZAE 130.91 ETE 181.78 ZAC 109.35 ETC 15.00 CLP-152.58

PLANETOCENTRIC CONIC

C3 11.405 VHL 3.377 DLA -26.00 RAL 173.11 RAD 6567.4 VEL 11.524 PTH 2.01 VHP 4.992 DPA 10.59 RAP 158.23 ECC 1.1877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 25 12 1096.92 14.21 336.84 29.90 114.75 10 43 28 496.9 17.43 329.64
 90.00 13 46 2 5724.62 27.42 271.21 33.95 97.36 15 21 26 5124.6 28.15 262.62
 100.00 11 19 25 921.82 12.26 322.99 28.92 117.48 11 34 47 321.8 15.85 316.04
 100.00 15 34 29 5374.95 29.58 245.74 34.21 94.54 17 4 4 4775.0 29.89 236.95
 110.00 11 39 15 859.61 8.32 315.93 26.57 123.28 11 53 34 259.6 12.64 309.50
 110.00 17 31 9 5009.93 34.15 218.16 34.35 88.39 18 54 39 4409.9 33.55 208.96

DIFFERENTIAL CORRECTIONS

TDE-2.0199 TRA 1.0598 TC3-5.5991 BAU .8554
 RDE .1061 RRA .1034 RC3 -.3458 FAU .06602
 FDE-2.3480 FRA 1.7164 FC3-5.0110 BSP 17236
 BDE 2.0227 BRA 1.0648 BC3 5.6098 FSP -1736

MID-COURSE EXECUTION ACCURACY

SGT 5481.6 SGR 353.6 SG3 531.3
 RRT .3387 RRF .3243 RTF .9769
 SGB 5493.0 R23 -.0083 R13 .9769
 SG1 5482.9 SG2 332.7 THA 1.26

ORBIT DETERMINATION ACCURACY

ST 3480.9 SR 189.5 SS 1769.0
 CRT -.8812 CRS .8489 CST -.9978
 LSA 3906.8 MSA 138.1 SSA 17.3
 EL1 3484.9 EL2 89.5 ALF 177.25

LAUNCH DATE JUN 4 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 517.144

RL 151.76 LAL -.00 LOL 252.71 VL 26.604 GAL 3.29 AZL 93.26 HCA 239.05 SMA 127.46 ECC .19876 INC 3.2568 V1 29.357
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.795 GAP 7.10 AZP 88.32 TAL 166.52 TAP 45.58 RCA 102.13 APO 152.80 V2 35.259
 RC 131.355 GL -25.86 GP -1.84 ZAL 68.31 ZAP 154.26 ETS 356.71 ZAE 130.16 ETE 181.71 ZAC 107.85 ETC 14.88 CLP-154.32

PLANETOCENTRIC CONIC

C3 11.968 VHL 3.460 DLA -26.33 RAL 175.29 RAD 6567.5 VEL 11.548 PTH 2.02 VHP 5.185 DPA 10.18 RAP 159.71 ECC 1.1970
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 23 1081.84 14.64 335.94 32.99 114.51 10 59 25 481.8 17.83 328.71
 90.00 13 47 17 5759.85 27.09 273.74 36.94 98.59 15 23 17 5159.8 28.00 265.19
 100.00 11 33 40 912.96 12.54 322.48 31.94 117.36 11 48 53 313.0 16.11 315.51
 100.00 15 37 41 5403.96 29.40 247.88 37.27 95.65 17 7 45 4804.0 29.87 239.11
 110.00 11 51 29 857.05 8.41 315.80 29.49 123.25 12 5 46 257.1 12.73 309.36
 110.00 17 36 21 5032.63 34.18 219.93 37.52 89.44 19 0 14 4432.6 33.72 210.71

DIFFERENTIAL CORRECTIONS

TDE-2.1028 TRA 1.2006 TC3-5.4482 BAU .8733
 RDE .1219 RRA .1069 RC3 -.3253 FAU .06071
 FDE-2.2350 FRA 1.7275 FC3-4.3913 BSP 17623
 BDE 2.1063 BRA 1.2053 BC3 5.4579 FSP -1632

MID-COURSE EXECUTION ACCURACY

SGT 5591.1 SGR 361.2 SG3 497.3
 RRT .2889 RRF .2728 RTF .9766
 SGB 5602.8 R23 -.0109 R13 .9766
 SG1 5592.1 SG2 345.7 THA 1.07

ORBIT DETERMINATION ACCURACY

ST 3547.5 SR 210.5 SS 1713.4
 CRT -.8877 CRS .8569 CST -.9979
 LSA 3942.7 MSA 139.6 SSA 17.5
 EL1 3552.4 EL2 96.8 ALF 176.98

LAUNCH DATE JUN 4 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 523.098

RL 151.76 LAL -.00 LOL 252.71 VL 26.575 GAL 3.61 AZL 93.27 HCA 242.30 SMA 127.27 ECC .20208 INC 3.2730 V1 29.357
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.774 GAP 7.50 AZP 88.48 TAL 165.46 TAP 47.76 RCA 101.56 APO 152.99 V2 35.259
 RC 133.537 GL -25.25 GP -1.71 ZAL 66.32 ZAP 155.92 ETS 356.59 ZAE 129.49 ETE 181.66 ZAC 106.27 ETC 14.76 CLP-155.97

PLANETOCENTRIC CONIC

C3 12.603 VHL 3.550 DLA -26.62 RAL 177.51 RAD 6567.5 VEL 11.575 PTH 2.02 VHP 5.386 DPA 9.71 RAP 161.27 ECC 1.2074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 57 16 1069.18 15.00 335.18 36.16 114.30 11 15 6 469.2 18.15 327.92
 90.00 13 49 4 5794.45 26.71 276.20 40.00 99.77 15 25 39 5194.4 27.79 267.70
 100.00 11 47 34 906.75 12.74 322.12 35.04 117.27 12 2 40 306.7 16.29 315.14
 100.00 15 41 28 5432.11 29.20 249.94 40.40 96.72 17 12 0 4832.1 29.82 241.20
 110.00 12 3 28 856.83 8.42 315.79 32.48 123.25 12 17 45 256.8 12.74 309.35
 110.00 17 42 3 5054.79 34.18 221.66 40.77 90.46 19 6 18 4454.8 33.87 212.43

DIFFERENTIAL CORRECTIONS

TDE-2.1838 TRA 1.3521 TC3-5.2711 BAU .8896
 RDE .1382 RRA .1101 RC3 -.3042 FAU .05576
 FDE-2.1276 FRA 1.7392 FC3-3.8300 BSP 17980
 BDE 2.1882 BRA 1.3566 BC3 5.2799 FSP -1535

MID-COURSE EXECUTION ACCURACY

SGT 5691.0 SGR 368.7 SG3 465.6
 RRT .2418 RRF .2242 RTF .9763
 SGB 5702.9 R23 -.0132 R13 .9763
 SG1 5691.7 SG2 357.7 THA .90

ORBIT DETERMINATION ACCURACY

ST 3601.4 SR 231.0 SS 1657.2
 CRT -.8917 CRS .8621 CST -.9980
 LSA 3968.6 MSA 142.0 SSA 17.6
 EL1 3607.3 EL2 104.4 ALF 176.72

LAUNCH DATE JUN 4 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 529.022

RL 151.76 LAL -.00 LOL 252.71 VL 26.545 GAL 3.95 AZL 93.29 HCA 245.55 SMA 127.08 ECC .20563 INC 3.2883 V1 29.357
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.752 GAP 7.91 AZP 88.64 TAL 164.38 TAP 49.93 RCA 100.95 APO 153.21 V2 35.257
 RC 135.709 GL -24.60 GP -1.60 ZAL 64.32 ZAP 157.49 ETS 356.46 ZAE 128.88 ETE 181.61 ZAC 104.62 ETC 14.62 CLP-157.55

PLANETOCENTRIC CONIC

C3 13.320 VHL 3.650 DLA -26.87 RAL 179.75 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 5.593 DPA 9.19 RAP 162.88 ECC 1.2192
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 12 42 1059.38 15.27 334.59 39.40 114.14 11 30 21 459.4 18.40 327.31
 90.00 13 51 29 5828.05 26.30 278.57 43.12 100.89 15 28 37 5228.1 27.54 270.13
 100.00 12 0 58 903.47 12.84 321.93 38.19 117.23 12 16 1 303.5 16.39 314.94
 100.00 15 45 54 5459.20 28.96 251.93 43.61 97.74 17 16 53 4859.2 29.73 243.21
 110.00 12 15 6 859.07 8.34 315.91 35.53 123.27 12 29 25 259.1 12.66 309.47
 110.00 17 48 15 5076.37 34.16 223.34 44.10 91.46 19 12 51 4476.4 33.98 214.10

DIFFERENTIAL CORRECTIONS

TDE-2.2634 TRA 1.5148 TC3-5.0735 BAU .9049
 RDE .1552 RRA .1129 RC3 -.2827 FAU .05117
 FDE-2.0269 FRA 1.7520 FC3-3.3260 BSP 18310
 BDE 2.2687 BRA 1.5190 BC3 5.0814 FSP -1446

MID-COURSE EXECUTION ACCURACY

SGT 5783.4 SGR 376.0 SG3 436.5
 RRT .1970 RRF .1782 RTF .9760
 SGB 5795.6 R23 -.0151 R13 .9760
 SG1 5783.8 SG2 368.7 THA .74

ORBIT DETERMINATION ACCURACY

ST 3643.8 SR 250.9 SS 1601.6
 CRT -.8940 CRS .8654 CST -.9981
 LSA 3985.5 MSA 145.1 SSA 17.6
 EL1 3650.7 EL2 112.2 ALF 176.47

LAUNCH DATE JUN 4 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 534.917

RL 151.76 LAL -.00 LOL 252.71 VL 26.515 GAL 4.31 AZL 93.30 MCA 248.80 SMA 126.89 ECC .20943 INC 3.3028 V1 29.357
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.729 GAP 8.33 AZP 88.80 TAL 163.28 TAP 52.08 RCA 100.31 APO 153.46 V2 35.255
 RC 137.871 GL -23.91 GP -1.51 ZAL 62.33 ZAP 159.00 ETS 356.31 ZAE 128.33 ETE 181.57 ZAC 102.91 ETC 14.48 CLP-159.05

PLANETOCENTRIC CONIC

C3 14.128 VHL 3.759 DLA -27.07 RAL 181.99 RAD 6567.6 VEL 11.641 PTH 2.04 VHP 5.807 DPA 8.62 RAP 164.56 ECC 1.2325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 27 27 1052.98 15.45 334.20 42.69 114.03 11 45 0 453.0 18.57 326.91
 90.00 13 54 37 5860.23 25.87 280.83 46.29 101.94 15 32 18 5260.2 27.26 272.44
 100.00 12 13 45 903.39 12.84 321.93 41.40 117.23 12 28 48 303.4 16.39 314.94
 100.00 15 51 0 5485.05 28.71 253.81 46.88 98.69 17 22 25 4885.1 29.62 245.12
 110.00 12 26 20 863.88 8.16 316.16 38.62 123.31 12 40 44 263.9 12.49 309.74
 110.00 17 54 55 5097.33 34.11 224.98 47.49 92.43 19 19 52 4497.3 34.07 215.73

DIFFERENTIAL CORRECTIONS

TDE-2.3385 TRA 1.6917 TC3-4.8469 BAU .9168
 RDE .1728 RRA .1152 RC3 -.2608 FAU .04672
 FDE-1.9286 FRA 1.7675 FC3-2.8628 BSP 18537
 BDE 2.3449 BRA 1.6956 BC3 4.8539 FSP -1354

MID-COURSE EXECUTION ACCURACY

SGT 5862.6 SGR 383.0 SG3 409.2
 RRT .1543 RRF .1346 RTF .9755
 SGB 5875.1 R23 -.0167 R13 .9754
 SG1 5862.9 SG2 378.4 THA .58

ORBIT DETERMINATION ACCURACY

ST 3670.6 SR 270.1 SS 1544.1
 CRT -.8948 CRS .8668 CST -.9981
 LSA 3988.4 MSA 149.1 SSA 17.5
 EL1 3678.5 EL2 120.3 ALF 176.23

LAUNCH DATE JUN 4 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 540.778

RL 151.76 LAL -.00 LOL 252.71 VL 26.485 GAL 4.69 AZL 93.32 MCA 252.04 SMA 126.69 ECC .21351 INC 3.3167 V1 29.357
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.705 GAP 8.75 AZP 88.98 TAL 162.17 TAP 54.22 RCA 99.64 APO 153.74 V2 35.253
 RC 140.023 GL -23.19 GP -1.42 ZAL 60.34 ZAP 160.44 ETS 356.13 ZAE 127.83 ETE 181.53 ZAC 101.14 ETC 14.35 CLP-160.49

PLANETOCENTRIC CONIC

C3 15.041 VHL 3.878 DLA -27.23 RAL 184.23 RAD 6567.6 VEL 11.680 PTH 2.05 VHP 6.030 DPA 8.01 RAP 166.28 ECC 1.2475
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 41 18 1050.59 15.51 334.06 46.00 113.99 11 58 48 450.6 18.63 326.76
 90.00 13 58 38 602.37 25.43 305.02 49.53 102.90 14 8 41 2.4 26.95 296.69
 100.00 12 25 49 906.77 12.74 322.13 44.63 117.27 12 40 55 306.8 16.29 315.14
 100.00 15 56 49 5509.46 28.45 255.57 50.20 99.59 17 28 38 4909.5 29.48 246.92
 110.00 12 37 5 871.35 7.88 316.56 41.74 123.37 12 51 37 271.3 12.21 310.15
 110.00 18 2 1 5117.65 34.04 226.56 50.94 93.36 19 27 19 4517.7 34.13 217.32

DIFFERENTIAL CORRECTIONS

TDE-2.4165 TRA 1.8766 TC3-4.6176 BAU .9298
 RDE .1911 RRA .1167 RC3 -.2390 FAU .04281
 FDE-1.8409 FRA 1.7799 FC3-2.4644 BSP 18831
 BDE 2.4240 BRA 1.8803 BC3 4.6238 FSP -1278

MID-COURSE EXECUTION ACCURACY

SGT 5941.1 SGR 389.5 SG3 384.4
 RRT .1127 RRF .0924 RTF .9752
 SGB 5953.8 R23 -.0181 R13 .9752
 SG1 5941.2 SG2 387.0 THA .43

ORBIT DETERMINATION ACCURACY

ST 3692.1 SR 288.3 SS 1490.7
 CRT -.8952 CRS .8678 CST -.9982
 LSA 3989.1 MSA 153.3 SSA 17.3
 EL1 3701.1 EL2 128.2 ALF 176.00

LAUNCH DATE JUN 4 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 546.603

RL 151.76 LAL -.00 LOL 252.71 VL 26.454 GAL 5.09 AZL 93.33 MCA 255.29 SMA 126.49 ECC .21788 INC 3.3301 V1 29.357
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.680 GAP 9.19 AZP 89.15 TAL 161.05 TAP 56.34 RCA 98.93 APO 154.06 V2 35.249
 RC 142.165 GL -22.45 GP -1.34 ZAL 58.38 ZAP 161.83 ETS 355.93 ZAE 127.37 ETE 181.50 ZAC 99.31 ETC 14.21 CLP-161.88

PLANETOCENTRIC CONIC

C3 16.070 VHL 4.009 DLA -27.35 RAL 186.45 RAD 6567.6 VEL 11.724 PTH 2.07 VHP 6.262 DPA 7.37 RAP 168.04 ECC 1.2645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 54 1 1052.83 15.45 334.19 49.34 114.03 12 11 34 452.8 18.57 326.90
 90.00 14 3 40 630.02 24.99 306.93 52.81 103.77 14 14 10 30.0 26.64 298.65
 100.00 12 37 3 913.81 12.52 322.53 47.88 117.37 12 52 17 313.8 16.08 315.56
 100.00 16 3 20 5532.31 28.18 257.22 53.58 100.41 17 35 33 4932.3 29.33 248.60
 110.00 12 47 19 881.54 7.50 317.10 44.89 123.45 13 2 1 281.5 11.84 310.71
 110.00 18 9 33 5137.34 33.95 228.09 54.44 94.26 19 35 10 4537.3 34.17 218.86

DIFFERENTIAL CORRECTIONS

TDE-2.4935 TRA 2.0733 TC3-4.3760 BAU .9413
 RDE .2102 RRA .1175 RC3 -.2174 FAU .03916
 FDE-1.7587 FRA 1.7922 FC3-2.1097 BSP 19114
 BDE 2.5024 BRA 2.0766 BC3 4.3814 FSP -1209

MID-COURSE EXECUTION ACCURACY

SGT 6011.8 SGR 395.5 SG3 361.4
 RRT .0723 RRF .0515 RTF .9749
 SGB 6024.8 R23 -.0194 R13 .9749
 SG1 6011.9 SG2 394.4 THA .27

ORBIT DETERMINATION ACCURACY

ST 3703.3 SR 305.8 SS 1438.4
 CRT -.8949 CRS .8681 CST -.9983
 LSA 3981.4 MSA 157.9 SSA 17.1
 EL1 3713.4 EL2 136.1 ALF 175.77

LAUNCH DATE JUN 4 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 552.390

RL 151.76 LAL -.00 LOL 252.71 VL 26.423 GAL 5.52 AZL 93.34 MCA 258.54 SMA 126.30 ECC .22256 INC 3.3431 V1 29.357
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.654 GAP 9.64 AZP 89.33 TAL 159.91 TAP 58.45 RCA 98.19 APO 154.41 V2 35.245
 RC 144.295 GL -21.68 GP -1.27 ZAL 56.44 ZAP 163.17 ETS 355.69 ZAE 126.95 ETE 181.46 ZAC 97.45 ETC 14.08 CLP-163.22

PLANETOCENTRIC CONIC

C3 17.233 VHL 4.151 DLA -27.43 RAL 188.66 RAD 6567.7 VEL 11.774 PTH 2.08 VHP 6.503 DPA 6.68 RAP 169.83 ECC 1.2836
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 5 25 1060.25 15.25 334.64 52.67 114.15 12 23 6 460.2 18.38 327.37
 90.00 14 9 52 654.63 24.58 308.62 56.15 104.52 14 20 46 54.6 26.34 300.39
 100.00 12 47 23 924.64 12.18 323.16 51.14 117.51 13 2 48 324.6 15.77 316.21
 100.00 16 10 35 5553.50 27.91 258.73 57.00 101.17 17 43 8 4953.5 29.16 250.16
 110.00 12 57 0 894.48 7.01 317.79 48.06 123.54 13 11 54 294.5 11.37 311.41
 110.00 18 17 28 5156.44 33.84 229.58 57.99 95.13 19 43 24 4556.4 34.18 220.35

DIFFERENTIAL CORRECTIONS

TDE-2.5691 TRA 2.2838 TC3-4.1237 BAU .9511
 RDE .2300 RRA .1175 RC3 -.1961 FAU .03573
 FDE-1.6811 FRA 1.8062 FC3-1.7948 BSP 19359
 BDE 2.5794 BRA 2.2868 BC3 4.1283 FSP -1142

MID-COURSE EXECUTION ACCURACY

SGT 6075.1 SGR 400.8 SG3 340.1
 RRT .0330 RRF .0121 RTF .9746
 SGB 6088.3 R23 -.0203 R13 .9746
 SG1 6075.2 SG2 400.6 THA .13

ORBIT DETERMINATION ACCURACY

ST 3704.0 SR 322.2 SS 1387.2
 CRT -.8939 CRS .8677 CST -.9984
 LSA 3964.9 MSA 163.0 SSA 16.7
 EL1 3715.2 EL2 144.0 ALF 175.55

LAUNCH DATE JUN 4 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 558.134

RL 151.76 LAL -0.00 LOL 252.71 VL 26.391 GAL 5.97 AZL 93.36 MCA 261.78 SMA 126.10 ECC .22759 INC 3.3558 V1 29.357
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.628 GAP 10.11 AZP 89.52 TAL 158.77 TAP 60.55 RCA 97.40 APO 154.80 V2 35.240
 RC 146.414 GL -20.90 GP -1.21 ZAL 54.53 ZAP 164.46 ETS 355.43 ZAE 126.57 ETE 181.42 ZAC 95.54 ETC 13.96 CLP-164.51

PLANETOCENTRIC CONIC

C3 18.546 VHL 4.307 DLA -27.46 RAL 190.83 RAD 6567.8 VEL 11.829 PTH 2.10 VHP 6.755 DPA 5.97 RAP 171.66 ECC 1.3052
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 15 21 1073.23 14.88 335.42 56.00 114.37 12 33 14 473.2 18.05 328.18
 90.00 14 17 17 675.85 24.21 310.06 59.55 105.15 14 28 33 75.8 26.06 301.88
 100.00 12 56 47 939.31 11.71 324.00 54.40 117.70 13 12 26 339.3 15.33 317.08
 100.00 16 18 32 5573.04 27.64 260.13 60.46 101.86 17 51 25 4973.0 29.00 251.58
 110.00 13 6 4 910.14 6.42 318.62 51.23 123.65 13 21 15 310.1 10.80 312.26
 110.00 18 25 44 5174.97 33.72 231.01 61.57 95.97 19 51 59 4575.0 34.18 221.80

DIFFERENTIAL CORRECTIONS

TDE-2.6400 TRA 2.5116 TC3-3.8560 BAU .9371
 RDE .2506 RRA .1164 RC3 -.1754 FAU .03235
 FDE-1.6049 FRA 1.8238 FC3-1.5100 BSP 19493
 BDE 2.6519 BRA 2.5143 BC3 3.8600 FSP -1074

MID-COURSE EXECUTION ACCURACY

SGT 6127.8 SGR 405.5 SG3 320.1
 RRT -.0049 RRF -.0254 RTF .9741
 SGB 6141.2 R23 .0206 R13 -.9741
 SG1 6127.8 SG2 405.5 THA 179.98

ORBIT DETERMINATION ACCURACY

ST 3691.0 SR 337.5 SS 1335.3
 CRT -.8922 CRS .8661 CST -.9984
 LSA 3935.9 MSA 168.7 SSA 16.4
 EL1 3703.3 EL2 152.0 ALF 175.33

LAUNCH DATE JUN 4 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 563.831

RL 151.76 LAL -0.00 LOL 252.71 VL 26.360 GAL 6.45 AZL 93.37 MCA 265.02 SMA 125.90 ECC .23300 INC 3.3683 V1 29.357
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.601 GAP 10.59 AZP 89.71 TAL 157.62 TAP 62.65 RCA 96.57 APO 155.23 V2 35.234
 RC 148.521 GL -20.11 GP -1.15 ZAL 52.66 ZAP 165.72 ETS 355.13 ZAE 126.21 ETE 181.38 ZAC 93.60 ETC 13.85 CLP-165.76

PLANETOCENTRIC CONIC

C3 20.031 VHL 4.476 DLA -27.46 RAL 192.97 RAD 6567.8 VEL 11.892 PTH 2.11 VHP 7.020 DPA 5.23 RAP 173.51 ECC 1.3297
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 23 43 1091.91 14.35 336.54 59.29 114.67 12 41 55 491.9 17.57 329.33
 90.00 14 25 56 693.58 23.89 311.26 62.99 105.67 14 37 30 93.6 25.81 303.12
 100.00 13 5 13 957.80 11.13 325.06 57.65 117.92 13 21 11 357.8 14.78 318.17
 100.00 16 27 7 5590.96 27.39 261.40 63.96 102.48 18 0 18 4991.0 28.83 252.89
 110.00 13 14 32 928.51 5.73 319.59 54.40 123.76 13 30 1 328.5 10.12 313.25
 110.00 18 34 17 5193.01 33.58 232.40 65.18 96.79 20 0 50 4593.0 34.16 223.20

DIFFERENTIAL CORRECTIONS

TDE-2.7156 TRA 2.7488 TC3-3.5961 BAU .9639
 RDE .2719 RRA .1142 RC3 -.1556 FAU .02937
 FDE-1.5382 FRA 1.8385 FC3-1.2692 BSP 19716
 BDE 2.7292 BRA 2.7512 BC3 3.5995 FSP -1017

MID-COURSE EXECUTION ACCURACY

SGT 6178.6 SGR 409.6 SG3 301.8
 RRT -.0429 RRF -.0631 RTF .9739
 SGB 6192.2 R23 .0211 R13 -.9739
 SG1 6178.6 SG2 409.2 THA 179.84

ORBIT DETERMINATION ACCURACY

ST 3675.7 SR 351.7 SS 1288.3
 CRT -.8905 CRS .8649 CST -.9985
 LSA 3906.9 MSA 174.0 SSA 16.0
 EL1 3689.1 EL2 159.4 ALF 175.12

LAUNCH DATE JUN 4 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 569.476

RL 151.76 LAL -0.00 LOL 252.71 VL 26.328 GAL 6.96 AZL 93.38 MCA 268.27 SMA 125.70 ECC .23881 INC 3.3806 V1 29.357
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.572 GAP 11.09 AZP 89.90 TAL 156.47 TAP 64.74 RCA 95.68 APO 155.72 V2 35.228
 RC 150.615 GL -19.31 GP -1.10 ZAL 50.83 ZAP 166.94 ETS 354.79 ZAE 125.87 ETE 181.34 ZAC 91.63 ETC 13.75 CLP-166.99

PLANETOCENTRIC CONIC

C3 21.711 VHL 4.659 DLA -27.42 RAL 195.05 RAD 6567.9 VEL 11.962 PTH 2.13 VHP 7.297 DPA 4.46 RAP 175.39 ECC 1.3573
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 30 34 1116.05 13.66 337.97 62.55 115.04 12 49 11 516.0 16.93 330.82
 90.00 14 35 44 708.07 23.62 312.24 66.48 106.09 14 47 32 108.1 25.60 304.13
 100.00 13 12 41 979.97 10.42 326.32 60.88 118.18 13 29 1 380.0 14.10 319.47
 100.00 16 36 18 5607.42 27.14 262.56 67.49 103.04 18 9 46 5007.4 28.66 254.08
 110.00 13 22 23 949.51 4.93 320.69 57.56 123.87 13 38 13 349.5 9.35 314.38
 110.00 18 43 6 5210.64 33.43 233.75 68.82 97.57 20 9 56 4610.6 34.12 224.58

DIFFERENTIAL CORRECTIONS

TDE-2.7907 TRA 3.0013 TC3-3.3343 BAU .9686
 RDE .2940 RRA .1108 RC3 -.1367 FAU .02654
 FDE-1.4753 FRA 1.8548 FC3-1.0584 BSP 19911
 BDE 2.8061 BRA 3.0034 BC3 3.3371 FSP -964

MID-COURSE EXECUTION ACCURACY

SGT 6222.3 SGR 412.9 SG3 284.8
 RRT -.0804 RRF -.0998 RTF .9738
 SGB 6236.0 R23 .0212 R13 -.9738
 SG1 6222.4 SG2 411.6 THA 179.69

ORBIT DETERMINATION ACCURACY

ST 3652.4 SR 364.5 SS 1242.9
 CRT -.8885 CRS .8633 CST -.9985
 LSA 3871.1 MSA 179.4 SSA 15.6
 EL1 3666.8 EL2 166.6 ALF 174.92

LAUNCH DATE JUN 4 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 575.062

RL 151.76 LAL -0.00 LOL 252.71 VL 26.297 GAL 7.50 AZL 93.39 MCA 271.51 SMA 125.50 ECC .24507 INC 3.3929 V1 29.357
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.544 GAP 11.61 AZP 90.09 TAL 155.32 TAP 66.83 RCA 94.75 APO 156.26 V2 35.221
 RC 152.696 GL -18.51 GP -1.06 ZAL 49.04 ZAP 168.13 ETS 354.39 ZAE 125.56 ETE 181.30 ZAC 89.63 ETC 13.67 CLP-168.18

PLANETOCENTRIC CONIC

C3 23.615 VHL 4.859 DLA -27.34 RAL 197.09 RAD 6568.0 VEL 12.041 PTH 2.15 VHP 7.590 DPA 3.67 RAP 177.28 ECC 1.3886
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 36 4 1145.14 12.82 339.69 65.76 115.47 12 55 9 545.1 16.14 332.59
 90.00 14 46 28 719.82 23.40 313.03 70.01 106.42 14 58 28 119.8 25.43 304.95
 100.00 13 19 14 1005.64 9.59 327.78 64.09 118.45 13 36 0 405.6 13.31 320.97
 100.00 16 45 59 5622.60 26.90 263.62 71.05 103.55 18 19 42 5022.6 28.50 255.18
 110.00 13 29 37 973.06 4.04 321.93 60.70 123.97 13 45 50 373.1 8.47 315.64
 110.00 18 52 6 5227.94 33.27 235.08 72.47 98.34 20 19 14 4627.9 34.07 225.93

DIFFERENTIAL CORRECTIONS

TDE-2.8664 TRA 3.2696 TC3-3.0745 BAU .9714
 RDE .3168 RRA .1061 RC3 -.1190 FAU .02389
 FDE-1.4172 FRA 1.8720 FC3 -.8758 BSP 20090
 BDE 2.8839 BRA 3.2713 BC3 3.0768 FSP -914

MID-COURSE EXECUTION ACCURACY

SGT 6259.8 SGR 415.6 SG3 269.0
 RRT -.1175 RRF -.1359 RTF .9737
 SGB 6273.6 R23 .0211 R13 -.9737
 SG1 6260.0 SG2 412.8 THA 179.55

ORBIT DETERMINATION ACCURACY

ST 3622.9 SR 376.0 SS 1199.9
 CRT -.8863 CRS .8614 CST -.9986
 LSA 3830.4 MSA 184.6 SSA 15.2
 EL1 3638.2 EL2 173.4 ALF 174.73

LAUNCH DATE JUN 4 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 580.584

RL 151.76 LAL -0.00 LOL 252.71 VL 26.265 GAL 8.07 AZL 93.41 HCA 274.75 SMA 125.31 ECC .25183 INC 3.4052 V1 29.357
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.515 GAP 12.16 AZP 90.28 TAL 154.18 TAP 68.93 RCA 93.75 APO 156.86 V2 35.214
 RC 154.762 GL -17.71 GP -1.02 ZAL 47.31 ZAP 169.30 ETS 353.92 ZAE 125.26 ETE 181.26 ZAC 87.62 ETC 13.59 CLP-169.35

PLANETOCENTRIC CONIC

C3 25.775 VHL 5.077 DLA -27.23 RAL 199.06 RAD 6568.0 VEL 12.131 PTH 2.17 VHP 7.899 DPA 2.86 RAP 179.19 ECC 1.4242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 40 21 1178.53 11.83 341.65 68.93 115.91 13 0 0 578.5 15.22 334.61
 90.00 14 57 57 729.47 23.21 313.67 73.58 106.69 15 10 7 129.5 25.28 305.61
 100.00 13 24 55 1034.56 8.64 329.41 67.26 118.73 13 42 9 434.6 12.41 322.65
 100.00 16 56 4 5636.72 26.67 264.61 74.62 104.02 18 30 1 5036.7 28.34 256.20
 110.00 13 36 14 999.03 3.05 323.29 63.83 124.06 13 52 53 399.0 7.50 317.03
 110.00 19 1 15 5245.01 33.09 236.38 76.14 99.09 20 28 40 4645.0 34.00 227.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9430 TRA 3.5551 TC3-2.8180 BAU .9717 SGT 6291.1 SGR 417.7 SG3 254.3 ST 3587.7 SR 385.9 SS 1159.5
 RDE .3403 RRA .0999 RC3 -.1026 FAU .02138 RRT -.1542 RRF -.1714 RTF .9737 CRT -.8839 CRS .8594 CST -.9987
 FDE-1.3635 FRA 1.8910 FC3 -.7181 BSP 20247 SGB 6305.0 R23 .0208 R13 -.9737 LSA 3785.3 MSA 189.6 SSA 14.8
 BDE 2.9626 BRA 3.5565 BC3 2.8198 FSP -867 SG1 6291.5 SG2 412.6 THA 179.41 EL1 3603.9 EL2 179.7 ALF 174.55

LAUNCH DATE JUN 4 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 586.033

RL 151.76 LAL -0.00 LOL 252.71 VL 26.234 GAL 8.69 AZL 93.42 HCA 277.99 SMA 125.11 ECC .25914 INC 3.4177 V1 29.357
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.485 GAP 12.74 AZP 90.48 TAL 153.04 TAP 71.03 RCA 92.69 APO 157.53 V2 35.205
 RC 156.813 GL -16.92 GP -.98 ZAL 45.63 ZAP 170.45 ETS 353.35 ZAE 124.97 ETE 181.22 ZAC 85.59 ETC 13.54 CLP-170.50

PLANETOCENTRIC CONIC

C3 28.231 VHL 5.313 DLA -27.09 RAL 200.98 RAD 6568.1 VEL 12.231 PTH 2.20 VHP 8.226 DPA 2.04 RAP 181.12 ECC 1.4646
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 43 38 1215.56 10.72 343.80 72.06 116.37 13 3 53 615.6 14.18 336.83
 90.00 15 9 56 737.67 23.05 314.22 77.16 106.92 15 22 14 137.7 25.15 306.18
 100.00 13 29 47 1066.46 7.60 331.20 70.40 119.00 13 47 33 466.5 11.41 324.48
 100.00 17 6 28 5650.03 26.45 265.53 78.21 104.46 18 40 38 5050.0 28.18 257.16
 110.00 13 42 15 1027.32 1.97 324.77 66.93 124.13 13 59 22 427.3 6.43 318.53
 110.00 19 10 29 5261.94 32.90 237.66 79.81 99.83 20 38 11 4661.9 33.91 228.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0175 TRA 3.8621 TC3-2.5619 BAU .9675 SGT 6315.2 SGR 419.0 SG3 240.6 ST 3544.6 SR 394.4 SS 1120.3
 RDE .3644 RRA .0921 RC3 -.0877 FAU .01890 RRT -.1902 RRF -.2056 RTF .9737 CRT -.8809 CRS .8566 CST -.9987
 FDE-1.3117 FRA 1.9136 FC3 -.5797 BSP 20304 SGB 6329.1 R23 .0200 R13 -.9738 LSA 3733.2 MSA 194.6 SSA 14.4
 BDE 3.0394 BRA 3.8632 BC3 2.5634 FSP -818 SG1 6315.7 SG2 411.3 THA 179.27 EL1 3561.6 EL2 185.8 ALF 174.39

LAUNCH DATE JUN 4 1967

FLIGHT TIME 210.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 591.397

RL 151.76 LAL -0.00 LOL 252.71 VL 26.202 GAL 9.34 AZL 93.43 HCA 281.23 SMA 124.92 ECC .26705 INC 3.4303 V1 29.357
 RP 107.67 LAP 3.36 LOP 173.95 VP 37.455 GAP 13.34 AZP 90.67 TAL 151.91 TAP 73.14 RCA 91.56 APO 158.28 V2 35.197
 RC 158.850 GL -16.12 GP -.95 ZAL 44.01 ZAP 171.59 ETS 352.66 ZAE 124.69 ETE 181.17 ZAC 83.54 ETC 13.50 CLP-171.64

PLANETOCENTRIC CONIC

C3 31.029 VHL 5.570 DLA -26.92 RAL 202.82 RAD 6568.2 VEL 12.345 PTH 2.23 VHP 8.575 DPA 1.21 RAP 183.05 ECC 1.5107
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 46 3 1255.60 9.50 346.11 75.15 116.80 13 6 59 655.6 13.03 339.20
 90.00 15 22 14 744.95 22.90 314.71 80.76 107.12 15 34 39 145.0 25.03 306.68
 100.00 13 33 54 1101.07 6.45 333.12 73.51 119.25 13 52 15 501.1 10.30 326.45
 100.00 17 17 4 5662.76 26.23 266.42 81.81 104.88 18 51 27 5062.8 28.02 258.07
 110.00 13 47 41 1057.78 .80 326.36 70.01 124.17 14 5 19 457.8 5.28 320.13
 110.00 19 19 46 5278.81 32.70 238.94 83.48 100.56 20 47 45 4678.8 33.81 229.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0981 TRA 4.1848 TC3-2.3190 BAU .9625 SGT 6335.1 SGR 419.6 SG3 227.8 ST 3501.1 SR 401.3 SS 1085.4
 RDE .3891 RRA .0826 RC3 -.0741 FAU .01666 RRT -.2265 RRF -.2403 RTF .9740 CRT -.8782 CRS .8543 CST -.9988
 FDE-1.2666 FRA 1.9360 FC3 -.4649 BSP 20437 SGB 6348.9 R23 .0192 R13 -.9740 LSA 3682.0 MSA 198.8 SSA 14.0
 BDE 3.1224 BRA 4.1857 BC3 2.3202 FSP -777 SG1 6335.8 SG2 408.7 THA 179.14 EL1 3518.9 EL2 190.9 ALF 174.24

LAUNCH DATE JUN 4 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 596.666

RL 151.76 LAL -0.00 LOL 252.71 VL 26.171 GAL 10.04 AZL 93.44 HCA 284.46 SMA 124.72 ECC .27563 INC 3.4433 V1 29.357
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.424 GAP 13.99 AZP 90.86 TAL 150.80 TAP 75.26 RCA 90.35 APO 159.10 V2 35.187
 RC 160.871 GL -15.34 GP -.92 ZAL 42.45 ZAP 172.71 ETS 351.78 ZAE 124.41 ETE 181.12 ZAC 81.49 ETC 13.48 CLP-172.76

PLANETOCENTRIC CONIC

C3 34.224 VHL 5.850 DLA -26.72 RAL 204.59 RAD 6568.3 VEL 12.474 PTH 2.26 VHP 8.947 DPA .36 RAP 184.98 ECC 1.5632
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 47 46 1298.14 8.19 348.55 78.19 117.20 13 9 24 698.1 11.77 341.70
 90.00 15 34 39 751.80 22.77 315.16 84.36 107.31 15 47 11 151.8 24.92 307.15
 100.00 13 37 19 1138.10 5.21 335.18 76.57 119.48 13 56 17 538.1 9.10 328.55
 100.00 17 27 48 5675.10 26.01 267.27 85.40 105.28 19 2 23 5075.1 27.85 258.95
 110.00 13 52 33 1090.27 -.44 328.05 73.06 124.18 14 10 43 490.3 4.05 321.84
 110.00 19 29 3 5295.70 32.48 240.21 87.15 101.28 20 57 18 4695.7 33.70 231.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1814 TRA 4.5285 TC3-2.0845 BAU .9542 SGT 6349.1 SGR 419.6 SG3 215.9 ST 3454.3 SR 406.5 SS 1053.3
 RDE .4144 RRA .0713 RC3 -.0619 FAU .01453 RRT -.2627 RRF -.2746 RTF .9744 CRT -.8755 CRS .8520 CST -.9988
 FDE-1.2235 FRA 1.9606 FC3 -.3676 BSP 20556 SGB 6362.9 R23 .0182 R13 -.9744 LSA 3628.5 MSA 202.4 SSA 13.6
 BDE 3.2082 BRA 4.5291 BC3 2.0854 FSP -739 SG1 6350.0 SG2 404.8 THA 179.00 EL1 3472.7 EL2 195.4 ALF 174.10

LAUNCH DATE JUN 4 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 601.824

RL 151.76 LAL -0.00 LOL 252.71 VL 26.139 GAL 10.79 AZL 93.46 HCA 287.69 SMA 124.53 ECC .28496 INC 3.4566 V1 29.357
 RP 107.73 LAP 3.29 LOP 180.43 VP 37.393 GAP 14.67 AZP 91.05 TAL 149.71 TAP 77.41 RCA 89.05 APO 160.02 V2 35.178
 RC 162.878 GL -14.57 GP -.89 ZAL 40.96 ZAP 173.82 ETS 350.62 ZAE 124.12 ETE 181.07 ZAC 79.44 ETC 13.48 CLP-173.88

PLANETOCENTRIC CONIC

C3 37.884 VHL 6.155 DLA -26.49 RAL 206.29 RAD 6568.5 VEL 12.620 PTH 2.29 VHP 9.346 DPA -.49 RAP 186.92 ECC 1.6235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 48 53 1342.73 6.79 351.08 81.19 117.56 13 11 16 742.7 10.43 344.29
 90.00 15 47 5 758.53 22.63 315.61 87.95 107.49 15 59 44 158.5 24.81 307.62
 100.00 13 40 6 1177.30 3.90 337.34 79.60 119.66 13 59 43 577.3 7.82 330.75
 100.00 17 38 33 5687.23 25.79 268.10 88.98 105.66 19 13 20 5087.2 27.69 259.82
 110.00 13 56 52 1124.66 -1.75 329.84 76.08 124.14 14 15 37 524.7 2.74 323.64
 110.00 19 38 16 5312.64 32.25 241.47 90.80 102.00 21 6 49 4712.6 33.57 232.49

DIFFERENTIAL CORRECTIONS

TDE-3.2678 TRA 4.8960 TC3-1.8583 BAU .9415
 RDE .4402 RRA .0580 RC3 -.0512 FAU .01247
 FDE-1.1882 FRA 1.9884 FC3 -.2850 BSP 20645
 BDE 3.2974 BRA 4.8963 BC3 1.8590 FSP -702

MID-COURSE EXECUTION ACCURACY

SGT 6357.5 SGR 419.0 SG3 204.9
 RRT -.2986 RRF -.3085 RTF .9750
 SGB 6371.3 R23 .0170 R13 -.9750
 SG1 6358.7 SG2 399.8 THA 178.87

ORBIT DETERMINATION ACCURACY

ST 3404.7 SR 410.2 SS 1024.1
 CRT -.8727 CRS .8497 CST -.9989
 LSA 3573.1 MSA 205.5 SSA 13.2
 EL1 3423.6 EL2 199.2 ALF 173.98

LAUNCH DATE JUN 4 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 606.854

RL 151.76 LAL -0.00 LOL 252.71 VL 26.109 GAL 11.60 AZL 93.47 HCA 290.93 SMA 124.34 ECC .29513 INC 3.4703 V1 29.357
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.361 GAP 15.41 AZP 91.24 TAL 148.65 TAP 79.57 RCA 87.65 APO 161.04 V2 35.167
 RC 164.869 GL -13.81 GP -.86 ZAL 39.53 ZAP 174.93 ETS 348.97 ZAE 123.84 ETE 181.02 ZAC 77.38 ETC 13.50 CLP-175.00

PLANETOCENTRIC CONIC

C3 42.089 VHL 6.488 DLA -26.24 RAL 207.91 RAD 6568.6 VEL 12.785 PTH 2.33 VHP 9.775 DPA -1.34 RAP 188.85 ECC 1.6927
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 49 28 1389.03 5.33 353.69 84.14 117.85 13 12 37 789.0 9.01 346.95
 90.00 15 59 25 765.39 22.49 316.06 91.52 107.68 16 12 10 165.4 24.70 308.08
 100.00 13 42 18 1218.41 2.51 339.61 82.58 119.80 14 2 36 618.4 6.46 333.04
 100.00 17 49 16 5699.28 25.57 268.93 92.54 106.04 19 24 15 5099.3 27.52 260.67
 110.00 14 0 39 1160.79 -3.13 331.73 79.07 124.06 14 20 0 560.8 1.36 325.53
 110.00 19 47 24 5329.67 32.00 242.74 94.42 102.71 21 16 13 4729.7 33.42 233.80

DIFFERENTIAL CORRECTIONS

TDE-3.3551 TRA 5.2921 TC3-1.6388 BAU .9224
 RDE .4664 RRA .0424 RC3 -.0421 FAU .01041
 FDE-1.1531 FRA 2.0206 FC3 -.2142 BSP 20622
 BDE 3.3874 BRA 5.2923 BC3 1.6393 FSP -664

MID-COURSE EXECUTION ACCURACY

SGT 6360.4 SGR 417.6 SG3 194.6
 RRT -.3339 RRF -.3415 RTF .9756
 SGB 6374.1 R23 .0154 R13 -.9756
 SG1 6361.9 SG2 393.6 THA 178.74

ORBIT DETERMINATION ACCURACY

ST 3350.8 SR 412.1 SS 996.9
 CRT -.8696 CRS .8469 CST -.9989
 LSA 3514.0 MSA 208.0 SSA 12.8
 EL1 3370.0 EL2 202.3 ALF 173.87

LAUNCH DATE JUN 4 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 611.733

RL 151.76 LAL -0.00 LOL 252.71 VL 26.078 GAL 12.47 AZL 93.48 HCA 294.16 SMA 124.16 ECC .30624 INC 3.4847 V1 29.357
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.330 GAP 16.19 AZP 91.43 TAL 147.62 TAP 81.78 RCA 86.14 APO 162.18 V2 35.156
 RC 166.846 GL -13.06 GP -.84 ZAL 38.17 ZAP 176.03 ETS 346.45 ZAE 123.54 ETE 180.97 ZAC 75.34 ETC 13.54 CLP-176.12

PLANETOCENTRIC CONIC

C3 46.938 VHL 6.851 DLA -25.97 RAL 209.45 RAD 6568.8 VEL 12.973 PTH 2.37 VHP 10.238 DPA -2.19 RAP 190.79 ECC 1.7725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 49 34 1436.78 3.80 356.37 87.04 118.08 13 13 31 836.8 7.53 349.67
 90.00 16 11 34 772.49 22.34 316.53 95.06 107.87 16 24 27 172.5 24.58 308.57
 100.00 13 43 56 1261.21 1.06 341.96 85.52 119.88 14 4 57 661.2 5.03 335.41
 100.00 17 59 53 5711.32 25.34 269.75 96.07 106.42 19 35 5 5111.3 27.34 261.52
 110.00 14 3 55 1198.51 -4.57 333.71 82.02 123.91 14 23 54 598.5 -.08 327.49
 110.00 19 56 24 5346.79 31.74 244.01 98.01 103.41 21 25 31 4746.8 33.26 235.11

DIFFERENTIAL CORRECTIONS

TDE-3.4530 TRA 5.7110 TC3-1.4352 BAU .9009
 RDE .4932 RRA .0247 RC3 -.0342 FAU .00853
 FDE-1.1243 FRA 2.0544 FC3 -.1573 BSP 20707
 BDE 3.4881 BRA 5.7110 BC3 1.4356 FSP -632

MID-COURSE EXECUTION ACCURACY

SGT 6358.4 SGR 415.7 SG3 185.0
 RRT -.3696 RRF -.3751 RTF .9765
 SGB 6372.0 R23 .0139 R13 -.9765
 SG1 6360.3 SG2 386.2 THA 178.61

ORBIT DETERMINATION ACCURACY

ST 3298.9 SR 412.5 SS 974.1
 CRT -.8671 CRS .8450 CST -.9990
 LSA 3458.0 MSA 209.5 SSA 12.4
 EL1 3318.3 EL2 204.3 ALF 173.79

LAUNCH DATE JUN 4 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 616.436

RL 151.76 LAL -0.00 LOL 252.71 VL 26.048 GAL 13.42 AZL 93.50 HCA 297.38 SMA 123.98 ECC .31842 INC 3.4998 V1 29.357
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.298 GAP 17.04 AZP 91.61 TAL 146.63 TAP 84.02 RCA 84.50 APO 163.45 V2 35.145
 RC 168.808 GL -12.32 GP -.82 ZAL 36.88 ZAP 177.13 ETS 341.99 ZAE 123.23 ETE 180.92 ZAC 73.31 ETC 13.61 CLP-177.25

PLANETOCENTRIC CONIC

C3 52.552 VHL 7.249 DLA -25.67 RAL 210.90 RAD 6568.9 VEL 13.188 PTH 2.41 VHP 10.740 DPA -3.04 RAP 192.71 ECC 1.8649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 49 13 1485.73 2.23 359.11 89.90 118.24 13 13 59 885.7 5.99 352.45
 90.00 16 23 29 779.88 22.19 317.01 98.57 108.06 16 36 29 179.9 24.45 309.07
 100.00 13 45 2 1305.50 -4.44 344.38 88.42 119.89 14 6 48 705.5 3.54 337.86
 100.00 18 10 21 5723.39 25.10 270.57 99.57 106.79 19 45 45 5123.4 27.16 262.37
 110.00 14 6 39 1237.68 -6.05 335.77 84.94 123.71 14 27 17 637.7 -1.58 329.54
 110.00 20 5 14 5363.97 31.46 245.27 101.56 104.11 21 34 38 4764.0 33.08 236.42

DIFFERENTIAL CORRECTIONS

TDE-3.5572 TRA 6.1611 TC3-1.2420 BAU .8728
 RDE .5204 RRA .0045 RC3 -.0276 FAU .00668
 FDE-1.0994 FRA 2.0926 FC3 -.1100 BSP 20765
 BDE 3.5951 BRA 6.1612 BC3 1.2423 FSP -602

MID-COURSE EXECUTION ACCURACY

SGT 6351.3 SGR 413.3 SG3 176.0
 RRT -.4050 RRF -.4085 RTF .9776
 SGB 6364.8 R23 .0122 R13 -.9776
 SG1 6353.6 SG2 377.7 THA 178.48

ORBIT DETERMINATION ACCURACY

ST 3245.7 SR 411.3 SS 954.5
 CRT -.8647 CRS .8432 CST -.9991
 LSA 3401.6 MSA 210.0 SSA 12.0
 EL1 3265.2 EL2 205.3 ALF 173.72

LAUNCH DATE JUN 5 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 14 1967

HELIOCENTRIC CONIC

DISTANCE 150.627

RL 151.78 LAL -.00 LOL 253.67 VL 20.752 GAL 5.90 AZL 93.29 MCA 57.06 SMA 100.69 ECC .51515 INC 3.2859 V1 29.353
 RP 108.94 LAP -2.76 LOP 310.68 VP 33.441 GAP -30.68 AZP 91.79 TAL 174.39 TAP 231.45 RCA 48.82 APO 152.56 V2 34.784
 RC 48.377 GL -7.53 GP .31 ZAL 77.89 ZAP 19.45 ETS 181.82 ZAE 163.59 ETE 143.43 ZAC 114.32 ETC 16.74 CLP 19.44

PLANETOCENTRIC CONIC

C3 81.437 VHL 9.024 DLA -5.28 RAL 173.22 RAD 6569.6 VEL 14.240 PTH 2.59 VHP 18.099 DPA 14.76 RAP 153.52 ECC 2.3402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 30 2395.35 -23.51 53.27 56.91 106.26 7 22 25 1795.3 -21.05 45.45
 90.00 17 21 47 5367.79 27.81 245.23 61.56 84.44 18 51 15 4767.8 26.75 236.73
 100.00 8 1 21 2140.97 -24.93 34.09 56.44 107.04 8 37 2 1541.0 -22.36 26.24
 100.00 18 45 37 5097.40 29.29 225.17 61.38 83.76 20 10 35 4497.4 28.12 216.57
 110.00 9 3 54 1945.17 -28.78 17.82 55.03 109.29 9 36 19 1345.2 -25.88 9.84
 110.00 19 59 34 4865.97 33.31 207.01 60.79 81.85 21 20 40 4266.0 31.83 198.10

DIFFERENTIAL CORRECTIONS

TOE .4900 TRA-1.1411 TC3 -.0625 BAU .0849
 RDE -.6151 RRA -.2998 RC3 .0466 FAU .01624
 FDE -.3174 FRA .4686 FC3 -.1726 BSP 2118
 BDE .7864 BRA 1.1798 BC3 .0780 FSP -87

MID-COURSE EXECUTION ACCURACY

SGT 799.3 SGR 442.9 SG3 41.2
 RRT .0229 RRF -.0220 RTF -.6432
 SGB 913.8 R23 -.0008 R13 -.6432
 SG1 799.4 SG2 442.7 THA 1.05

ORBIT DETERMINATION ACCURACY

ST 380.0 SR 394.7 SS 345.2
 CRT -.7265 CRS -.8439 CST .9801
 LSA 612.4 MSA 210.2 SSA 14.1
 EL1 509.2 EL2 202.5 ALF 133.50

LAUNCH DATE JUN 5 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 156.975

RL 151.78 LAL -.00 LOL 253.67 VL 21.271 GAL 5.63 AZL 93.30 MCA 60.22 SMA 102.38 ECC .49014 INC 3.2981 V1 29.353
 RP 108.94 LAP -2.86 LOP 313.84 VP 33.766 GAP -29.14 AZP 91.64 TAL 174.09 TAP 234.30 RCA 52.20 APO 152.56 V2 34.784
 RC 47.155 GL -8.23 GP .32 ZAL 77.47 ZAP 17.86 ETS 181.85 ZAE 164.91 ETE 137.35 ZAC 112.80 ETC 16.46 CLP 17.85

PLANETOCENTRIC CONIC

C3 72.444 VHL 8.511 DLA -6.09 RAL 173.36 RAD 6569.4 VEL 13.921 PTH 2.54 VHP 17.262 DPA 14.23 RAP 155.05 ECC 2.1922
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 13 2342.68 -22.46 49.76 54.87 107.72 7 28 15 1742.7 -19.82 42.08
 90.00 17 16 8 5366.34 27.80 245.13 60.03 84.38 18 45 35 4766.3 26.73 236.62
 100.00 8 7 40 2089.59 -23.86 30.65 54.37 108.56 8 42 29 1489.6 -21.11 22.94
 100.00 18 40 22 5094.65 29.27 224.97 59.85 83.66 20 5 17 4494.7 28.09 216.37
 110.00 9 9 18 1896.63 -27.65 14.50 52.86 110.95 9 40 54 1296.6 -24.54 6.70
 110.00 19 55 14 4860.38 33.26 206.58 59.25 81.60 21 16 14 4260.4 31.74 197.68

DIFFERENTIAL CORRECTIONS

TOE .4896 TRA-1.1254 TC3 -.0560 BAU .0749
 RDE -.5835 RRA -.2840 RC3 .0533 FAU .01676
 FDE -.3341 FRA .4804 FC3 -.2003 BSP 2261
 BDE .7617 BRA 1.1606 BC3 .0773 FSP -98

MID-COURSE EXECUTION ACCURACY

SGT 835.6 SGR 446.7 SG3 45.1
 RRT .0224 RRF -.0220 RTF -.6634
 SGB 947.4 R23 -.0013 R13 -.6634
 SG1 835.6 SG2 446.5 THA .96

ORBIT DETERMINATION ACCURACY

ST 401.1 SR 397.0 SS 366.0
 CRT -.7303 CRS -.8488 CST .9795
 LSA 637.7 MSA 213.4 SSA 14.4
 EL1 524.9 EL2 207.2 ALF 135.40

LAUNCH DATE JUN 5 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 163.380

RL 151.78 LAL -.00 LOL 253.67 VL 21.752 GAL 5.34 AZL 93.31 MCA 63.38 SMA 104.04 ECC .46627 INC 3.3095 V1 29.353
 RP 108.94 LAP -2.96 LOP 317.01 VP 34.072 GAP -27.67 AZP 91.48 TAL 173.82 TAP 237.20 RCA 55.53 APO 152.56 V2 34.785
 RC 46.068 GL -8.96 GP .33 ZAL 77.15 ZAP 16.27 ETS 181.90 ZAE 166.15 ETE 129.76 ZAC 111.28 ETC 16.19 CLP 16.27

PLANETOCENTRIC CONIC

C3 64.518 VHL 8.032 DLA -6.90 RAL 173.38 RAD 6569.2 VEL 13.634 PTH 2.49 VHP 16.458 DPA 13.69 RAP 156.57 ECC 2.0618
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 55 30 2289.61 -21.32 46.29 52.75 109.09 7 33 39 1689.6 -18.52 38.74
 90.00 17 10 3 5364.35 27.79 244.98 58.35 84.31 18 39 28 4764.3 26.71 236.48
 100.00 8 13 33 2037.82 -22.70 27.25 52.22 109.99 8 47 31 1437.8 -19.77 19.68
 100.00 18 34 42 5091.37 29.25 224.73 58.18 83.53 19 59 33 4491.4 28.04 216.13
 110.00 9 14 16 1847.72 -26.41 11.23 50.64 112.53 9 45 3 1247.7 -23.12 3.62
 110.00 19 50 28 4854.23 33.20 206.11 57.56 81.33 21 11 22 4254.2 31.64 197.23

DIFFERENTIAL CORRECTIONS

TOE .4883 TRA-1.1105 TC3 -.0475 BAU .0665
 RDE -.5528 RRA -.2684 RC3 .0608 FAU .01733
 FDE -.3520 FRA .4921 FC3 -.2325 BSP 2365
 BDE .7375 BRA 1.1425 BC3 .0771 FSP -109

MID-COURSE EXECUTION ACCURACY

SGT 874.0 SGR 449.7 SG3 49.5
 RRT .0232 RRF -.0220 RTF -.6818
 SGB 982.9 R23 -.0005 R13 -.6818
 SG1 874.0 SG2 449.5 THA .93

ORBIT DETERMINATION ACCURACY

ST 422.6 SR 398.5 SS 387.9
 CRT -.7332 CRS -.8539 CST .9785
 LSA 664.0 MSA 216.3 SSA 14.7
 EL1 540.9 EL2 211.8 ALF 137.29

LAUNCH DATE JUN 5 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 169.836

RL 151.78 LAL -.00 LOL 253.67 VL 22.198 GAL 5.05 AZL 93.32 MCA 66.54 SMA 105.67 ECC .44355 INC 3.3204 V1 29.353
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.361 GAP -26.28 AZP 91.32 TAL 173.60 TAP 240.14 RCA 58.80 APO 152.54 V2 34.787
 RC 45.125 GL -9.72 GP .35 ZAL 76.93 ZAP 14.69 ETS 182.00 ZAE 167.20 ETE 120.37 ZAC 109.75 ETC 15.94 CLP 14.69

PLANETOCENTRIC CONIC

C3 57.530 VHL 7.585 DLA -7.69 RAL 173.30 RAD 6569.0 VEL 13.375 PTH 2.44 VHP 15.686 DPA 13.14 RAP 158.10 ECC 1.9468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 21 2236.30 -20.09 42.86 50.57 110.39 7 38 37 1636.3 -17.13 35.43
 90.00 17 3 31 5361.99 27.77 244.81 56.54 84.23 18 32 53 4762.0 26.68 236.32
 100.00 8 18 59 1985.83 -21.45 23.89 50.01 111.33 8 52 5 1385.8 -18.36 16.46
 100.00 18 28 35 5087.70 29.22 224.46 56.36 83.39 19 53 22 4487.7 28.00 215.87
 110.00 9 18 47 1798.61 -25.09 8.03 48.36 114.01 9 48 45 1198.6 -21.63 .59
 110.00 19 45 16 4847.67 33.13 205.61 55.73 81.04 21 6 4 4247.7 31.54 196.75

DIFFERENTIAL CORRECTIONS

TOE .4896 TRA-1.0924 TC3 -.0346 BAU .0594
 RDE -.5229 RRA -.2532 RC3 .0690 FAU .01797
 FDE -.3714 FRA .5030 FC3 -.2705 BSP 2523
 BDE .7163 BRA 1.1213 BC3 .0772 FSP -122

MID-COURSE EXECUTION ACCURACY

SGT 912.6 SGR 451.9 SG3 54.2
 RRT .0220 RRF -.0215 RTF -.7008
 SGB 1018.4 R23 -.0010 R13 -.7008
 SG1 912.7 SG2 451.8 THA .83

ORBIT DETERMINATION ACCURACY

ST 446.3 SR 399.2 SS 411.3
 CRT -.7388 CRS -.8594 CST .9781
 LSA 692.8 MSA 218.0 SSA 14.9
 EL1 558.9 EL2 214.9 ALF 139.30

LAUNCH DATE JUN 5 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 176.337

RL 151.78 LAL -0.00 LOL 253.67 VL 22.613 GAL 4.75 AZL 93.33 HCA 69.70 SMA 107.25 ECC .42197 INC 3.3307 V1 29.353
 RP 108.93 LAP -3.12 LOP 323.34 VP 34.632 GAP -24.94 AZP 91.16 TAL 173.43 TAP 243.14 RCA 62.00 APO 152.51 V2 34.790
 RC 44.335 GL -10.53 GP .36 ZAL 76.83 ZAP 13.11 ETS 182.14 ZAE 167.93 ETE 109.12 ZAC 108.22 ETC 15.70 CLP 13.10

PLANETOCENTRIC CONIC

C3 51.370 VHL 7.167 DLA -8.49 RAL 173.10 RAD 6568.9 VEL 13.143 PTH 2.40 VHP 14.945 DPA 12.58 RAP 159.61 ECC 1.8454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 45 2182.91 -18.79 39.49 48.32 111.58 7 43 8 1582.9 -15.69 32.18
 90.00 16 56 32 5359.45 27.75 244.63 54.59 84.14 18 25 51 4759.5 26.65 236.14
 100.00 8 23 59 1933.78 -20.13 20.59 47.75 112.58 8 56 13 1333.8 -16.89 13.29
 100.00 18 21 59 5083.82 29.19 224.18 54.41 83.25 19 46 43 4483.8 27.95 215.59
 110.00 9 22 50 1749.48 -23.69 4.90 46.04 115.39 9 52 0 1149.5 -20.08 357.62
 110.00 19 39 37 4840.88 33.05 205.10 53.77 80.74 21 0 18 4240.9 31.42 196.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4913 TRA-1.0734 TC3 -.0178 BAU .0549 SGT 952.7 SGR 453.3 SG3 59.5 ST 471.1 SR 399.1 SS 436.0
 RDE -.4940 RRA -.2382 RC3 .0780 FAU .01869 RRT .0211 RRF -.0210 RTF -.7189 CRT -.7448 CRS -.8051 CST .9778
 FDE -.3922 FRA .5136 FC3 -.3150 BSP 2677 SGB 1055.0 R23 -.0014 R13 -.7189 LSA 723.3 MSA 219.0 SSA 15.2
 BDE .6967 BRA 1.0995 BC3 .0800 FSP -136 SG1 952.7 SG2 453.2 THA .74 EL1 578.1 EL2 217.1 ALF 141.31

LAUNCH DATE JUN 5 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 182.880

RL 151.78 LAL -0.00 LOL 253.67 VL 22.997 GAL 4.45 AZL 93.34 HCA 72.86 SMA 108.79 ECC .40153 INC 3.3406 V1 29.353
 RP 108.92 LAP -3.19 LOP 326.50 VP 34.887 GAP -23.67 AZP 90.99 TAL 173.31 TAP 246.18 RCA 65.11 APO 152.48 V2 34.793
 RC 43.707 GL -11.37 GP .38 ZAL 76.84 ZAP 11.52 ETS 182.36 ZAE 168.21 ETE 96.47 ZAC 106.70 ETC 15.48 CLP 11.52

PLANETOCENTRIC CONIC

C3 45.942 VHL 6.778 DLA -9.27 RAL 172.78 RAD 6568.7 VEL 12.935 PTH 2.36 VHP 14.232 DPA 12.02 RAP 161.12 ECC 1.7561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 11 43 2129.64 -17.42 36.17 46.03 112.68 7 47 12 1529.6 -14.20 28.98
 90.00 16 49 4 5356.91 27.73 244.45 52.52 84.05 18 18 21 4756.9 26.62 235.96
 100.00 8 28 31 1881.86 -18.74 17.36 45.44 113.73 8 59 53 1281.9 -15.37 10.19
 100.00 18 14 57 5079.92 29.16 223.89 52.34 83.10 19 39 37 4479.9 27.90 215.32
 110.00 9 26 26 1700.51 -22.23 1.85 43.69 116.66 9 54 46 1100.5 -18.47 354.73
 110.00 19 33 31 4834.03 32.98 204.58 51.69 80.45 20 54 5 4234.0 31.31 195.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4936 TRA-1.0532 TC3 .0036 BAU .0540 SGT 993.9 SGR 453.9 SG3 65.3 ST 497.3 SR 398.1 SS 462.3
 RDE -.4660 RRA -.2237 RC3 .0878 FAU .01949 RRT .0199 RRF -.0203 RTF -.7361 CRT -.7516 CRS -.8711 CST .9775
 FDE -.4149 FRA .5236 FC3 -.3672 BSP 2837 SGB 1092.7 R23 -.0018 R13 -.7362 LSA 755.8 MSA 219.1 SSA 15.4
 BDE .6789 BRA 1.0767 BC3 .0879 FSP -152 SG1 993.9 SG2 453.8 THA .66 EL1 598.5 EL2 218.2 ALF 143.31

LAUNCH DATE JUN 5 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 189.460

RL 151.78 LAL -0.00 LOL 253.67 VL 23.353 GAL 4.14 AZL 93.35 HCA 76.03 SMA 110.28 ECC .38220 INC 3.3502 V1 29.353
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.127 GAP -22.46 AZP 90.81 TAL 173.25 TAP 249.27 RCA 68.13 APO 152.44 V2 34.797
 RC 43.245 GL -12.25 GP .40 ZAL 76.96 ZAP 9.93 ETS 182.68 ZAE 167.94 ETE 83.44 ZAC 105.18 ETC 15.26 CLP 9.92

PLANETOCENTRIC CONIC

C3 41.160 VHL 6.416 DLA -10.05 RAL 172.35 RAD 6568.6 VEL 12.749 PTH 2.32 VHP 13.547 DPA 11.46 RAP 162.61 ECC 1.6774
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 13 2076.67 -16.00 32.93 43.70 113.68 7 50 49 1476.7 -12.66 25.85
 90.00 16 41 7 5354.53 27.72 244.27 50.35 83.96 18 10 22 4754.5 26.59 235.79
 100.00 8 32 35 1830.27 -17.29 14.21 43.09 114.77 9 3 5 1230.3 -13.81 7.15
 100.00 18 7 26 5076.16 29.13 223.62 50.16 82.96 19 32 2 4476.2 27.85 215.05
 110.00 9 29 33 1651.91 -20.71 358.89 41.31 117.82 9 57 5 1051.9 -16.83 351.92
 110.00 19 26 58 4827.29 32.90 204.07 49.51 80.15 20 47 25 4227.3 31.19 195.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4965 TRA-1.0317 TC3 .0301 BAU .0566 SGT 1036.2 SGR 453.7 SG3 71.8 ST 524.8 SR 396.3 SS 490.2
 RDE -.4391 RRA -.2096 RC3 .0984 FAU .02037 RRT .0188 RRF -.0197 RTF -.7525 CRT -.7591 CRS -.8773 CST .9773
 FDE -.4396 FRA .5332 FC3 -.4285 BSP 2999 SGB 1131.2 R23 -.0021 R13 -.7525 LSA 790.4 MSA 218.5 SSA 15.7
 BDE .6628 BRA 1.0528 BC3 .1029 FSP -170 SG1 1036.2 SG2 453.6 THA .58 EL1 620.3 EL2 218.2 ALF 145.27

LAUNCH DATE JUN 5 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 196.071

RL 151.78 LAL -0.00 LOL 253.67 VL 23.682 GAL 3.84 AZL 93.36 HCA 79.19 SMA 111.72 ECC .36398 INC 3.3595 V1 29.353
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.351 GAP -21.30 AZP 90.63 TAL 173.23 TAP 252.42 RCA 71.06 APO 152.39 V2 34.801
 RC 42.956 GL -13.17 GP .42 ZAL 77.19 ZAP 8.33 ETS 183.18 ZAE 167.13 ETE 71.28 ZAC 103.67 ETC 15.06 CLP 8.32

PLANETOCENTRIC CONIC

C3 36.951 VHL 6.079 DLA -10.81 RAL 171.80 RAD 6568.4 VEL 12.583 PTH 2.28 VHP 12.888 DPA 10.89 RAP 164.09 ECC 1.6081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 14 2024.23 -14.54 29.78 41.33 114.57 7 53 59 1424.2 -11.11 22.78
 90.00 16 32 42 5352.46 27.70 244.12 48.08 83.89 18 1 54 4752.5 26.57 235.64
 100.00 8 36 11 1779.24 -15.81 11.15 40.71 115.70 9 5 50 1179.2 -12.22 4.19
 100.00 17 59 26 5072.69 29.10 223.36 47.89 82.83 19 23 59 4472.7 27.80 214.80
 110.00 9 32 10 1603.89 -19.16 356.03 38.90 118.86 9 58 54 1003.9 -15.16 349.19
 110.00 19 19 56 4820.80 32.82 203.58 47.23 79.87 20 40 17 4220.8 31.08 194.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5006 TRA-1.0086 TC3 .0628 BAU .0625 SGT 1079.5 SGR 452.7 SG3 78.9 ST 554.0 SR 393.6 SS 520.2
 RDE -.4132 RRA -.1959 RC3 .1099 FAU .02136 RRT .0171 RRF -.0187 RTF -.7683 CRT -.7677 CRS -.8837 CST .9773
 FDE -.4667 FRA .5422 FC3 -.5005 BSP 3169 SGB 1170.5 R23 -.0027 R13 -.7683 LSA 827.7 MSA 217.0 SSA 15.9
 BDE .6491 BRA 1.0275 BC3 .1265 FSP -190 SG1 1079.5 SG2 452.6 THA .50 EL1 644.0 EL2 217.0 ALF 147.21

LAUNCH DATE JUN 5 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 202.709

RL 151.78 LAL -.00 LOL 253.67 VL 23.987 GAL 3.55 AZL 93.37 HCA 82.36 SMA 113.11 ECC .34683 INC 3.3687 V1 29.353
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.561 GAP -20.18 AZP 90.45 TAL 173.27 TAP 255.63 RCA 73.88 APO 152.34 V2 34.806
 RC 42.841 GL -14.12 GP .44 ZAL 77.54 ZAP 6.71 ETS 184.00 ZAE 165.86 ETE 60.78 ZAC 102.17 ETC 14.88 CLP 6.70

PLANETOCENTRIC CONIC

C3 33.249 VHL 5.766 OLA -11.56 RAL 171.13 RAD 6568.3 VEL 12.435 PTH 2.25 VHP 12.254 DPA 10.33 RAP 165.56 ECC 1.5472
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 47 1972.53 -13.06 26.71 38.94 115.35 7 56 40 1372.5 -9.54 19.80
 90.00 16 23 48 5350.86 27.69 244.01 45.73 83.83 17 52 59 4750.9 26.55 235.53
 100.00 8 39 17 1728.97 -14.30 8.17 38.31 116.53 9 8 6 1129.0 -10.63 1.31
 100.00 17 50 59 5069.66 29.07 223.14 45.54 82.71 19 15 29 4469.7 27.76 214.58
 110.00 9 34 18 1556.68 -17.59 353.27 36.48 119.79 10 0 14 956.7 -13.49 346.56
 110.00 19 12 28 4814.71 32.75 203.12 44.87 79.61 20 32 43 4214.7 30.97 194.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5051 TRA -.9845 TC3 .1020 BAU .0707 SGT 1123.7 SGR 450.7 SG3 86.8 ST 584.5 SR 390.0 SS 552.1
 RDE -.3884 RRA -.1828 RC3 .1220 FAU .02247 RRT .0157 RRF -.0177 RTF -.7831 CRT -.7767 CRS -.8903 CST .9773
 FDE -.4966 FRA .5505 FC3 -.5850 BSP 3335 SGB 1210.7 R23 -.0031 R13 -.7831 LSA 867.3 MSA 214.8 SSA 16.2
 BDE .6372 BRA 1.0013 BC3 .1591 FSP -212 SG1 1123.7 SG2 450.7 THA .43 EL1 669.1 EL2 214.6 ALF 149.08

LAUNCH DATE JUN 5 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 209.370

RL 151.78 LAL -.00 LOL 253.67 VL 24.270 GAL 3.25 AZL 93.38 HCA 85.52 SMA 114.44 ECC .33074 INC 3.3777 V1 29.353
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.758 GAP -19.12 AZP 90.26 TAL 173.37 TAP 258.89 RCA 76.59 APO 152.29 V2 34.812
 RC 42.900 GL -15.11 GP .47 ZAL 78.00 ZAP 5.08 ETS 185.43 ZAE 164.25 ETE 52.17 ZAC 100.68 ETC 14.70 CLP 5.06

PLANETOCENTRIC CONIC

C3 29.997 VHL 5.477 OLA -12.30 RAL 170.34 RAD 6568.2 VEL 12.303 PTH 2.22 VHP 11.645 DPA 9.76 RAP 167.00 ECC 1.4937
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 51 1921.79 -11.56 23.73 36.52 116.03 7 58 53 1321.8 -7.97 16.90
 90.00 16 14 27 5349.82 27.68 243.93 43.30 83.79 17 43 37 4749.8 26.54 235.46
 100.00 8 41 54 1679.68 -12.79 5.30 35.89 117.25 9 9 53 1079.7 -9.03 358.52
 100.00 17 42 5 5067.16 29.05 222.96 43.12 82.62 19 6 33 4467.2 27.72 214.41
 110.00 9 35 55 1510.49 -16.00 350.63 34.05 120.62 10 1 6 910.5 -11.82 344.02
 110.00 19 4 33 4809.13 32.68 202.69 42.45 79.37 20 24 42 4209.1 30.87 193.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5107 TRA -.9588 TC3 .1484 BAU .0804 SGT 1168.7 SGR 447.9 SG3 95.7 ST 616.7 SR 385.5 SS 586.5
 RDE -.3647 RRA -.1702 RC3 .1349 FAU .02370 RRT .0138 RRF -.0165 RTF -.7972 CRT -.7866 CRS -.8970 CST .9776
 FDE -.5297 FRA .5582 FC3 -.6841 BSP 3511 SGB 1251.6 R23 -.0036 R13 -.7972 LSA 909.8 MSA 211.7 SSA 16.4
 BDE .6276 BRA .9738 BC3 .2006 FSP -238 SG1 1168.7 SG2 447.9 THA .35 EL1 696.0 EL2 210.9 ALF 150.89

LAUNCH DATE JUN 5 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 216.050

RL 151.78 LAL -.00 LOL 253.67 VL 24.530 GAL 2.97 AZL 93.39 HCA 88.69 SMA 115.71 ECC .31567 INC 3.3866 V1 29.353
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.942 GAP -18.09 AZP 90.08 TAL 173.52 TAP 262.21 RCA 79.18 APO 152.23 V2 34.819
 RC 43.133 GL -16.13 GP .50 ZAL 78.57 ZAP 3.43 ETS 188.41 ZAE 162.44 ETE 45.26 ZAC 99.22 ETC 14.54 CLP 3.39

PLANETOCENTRIC CONIC

C3 27.143 VHL 5.210 OLA -13.02 RAL 169.44 RAD 6568.1 VEL 12.187 PTH 2.19 VHP 11.059 DPA 9.21 RAP 168.41 ECC 1.4467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 25 1872.25 -10.06 20.86 34.08 116.61 8 0 37 1272.2 -6.41 14.09
 90.00 16 4 40 5349.44 27.68 243.91 40.82 83.78 17 33 49 4749.4 26.53 235.43
 100.00 8 44 0 1631.62 -11.27 2.54 33.45 117.87 9 11 12 1031.6 -7.46 355.83
 100.00 17 32 46 5065.31 29.03 222.82 40.64 82.55 18 57 11 4465.3 27.70 214.27
 110.00 9 37 2 1465.53 -14.43 348.10 31.61 121.33 10 1 27 865.5 -10.18 341.58
 110.00 18 56 14 4804.15 32.62 202.32 39.96 79.16 20 16 18 4204.2 30.78 193.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5167 TRA -.9319 TC3 .2025 BAU .0911 SGT 1214.1 SGR 444.2 SG3 105.5 ST 650.0 SR 380.1 SS 623.0
 RDE -.3422 RRA -.1581 RC3 .1483 FAU .02509 RRT .0122 RRF -.0155 RTF -.8102 CRT -.7969 CRS -.9038 CST .9779
 FDE -.5663 FRA .5651 FC3 -.8003 BSP 3679 SGB 1292.8 R23 -.0041 R13 -.8103 LSA 954.8 MSA 208.1 SSA 16.7
 BDE .6197 BRA .9452 BC3 .2510 FSP -266 SG1 1214.1 SG2 444.2 THA .29 EL1 724.2 EL2 206.1 ALF 152.61

LAUNCH DATE JUN 5 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 222.745

RL 151.78 LAL -.00 LOL 253.67 VL 24.771 GAL 2.70 AZL 93.40 HCA 91.86 SMA 116.92 ECC .30158 INC 3.3955 V1 29.353
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.114 GAP -17.11 AZP 89.89 TAL 173.72 TAP 265.58 RCA 81.66 APO 152.18 V2 34.826
 RC 43.534 GL -17.17 GP .53 ZAL 79.25 ZAP 1.78 ETS 197.35 ZAE 160.54 ETE 39.73 ZAC 97.79 ETC 14.39 CLP 1.70

PLANETOCENTRIC CONIC

C3 24.643 VHL 4.964 OLA -13.72 RAL 168.42 RAD 6568.0 VEL 12.084 PTH 2.16 VHP 10.496 DPA 8.66 RAP 169.80 ECC 1.4056
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 29 1824.13 -8.58 18.10 31.64 117.09 8 1 53 1224.1 -4.88 11.37
 90.00 15 54 30 5349.77 27.68 243.93 38.30 83.79 17 23 39 4749.8 26.53 235.45
 100.00 8 45 36 1584.99 -9.78 359.88 31.00 118.39 9 12 1 985.0 -5.91 353.23
 100.00 17 23 4 5064.14 29.02 222.74 38.11 82.51 18 47 28 4464.1 27.68 214.19
 110.00 9 37 38 1422.04 -12.88 345.69 29.17 121.94 10 1 20 822.0 -8.56 339.24
 110.00 18 47 31 4799.85 32.56 202.00 37.44 78.97 20 7 31 4199.9 30.70 193.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5233 TRA -.9041 TC3 .2643 BAU .1022 SGT 1260.0 SGR 439.6 SG3 116.4 ST 684.6 SR 373.8 SS 662.4
 RDE -.3207 RRA -.1467 RC3 .1621 FAU .02664 RRT .0107 RRF -.0143 RTF -.8225 CRT -.8075 CRS -.9106 CST .9782
 FDE -.6073 FRA .5715 FC3 -.9360 BSP 3846 SGB 1334.5 R23 -.0043 R13 -.8225 LSA 1002.7 MSA 204.0 SSA 16.9
 BDE .6137 BRA .9160 BC3 .3101 FSP -297 SG1 1260.0 SG2 439.6 THA .24 EL1 753.9 EL2 200.3 ALF 154.26

LAUNCH DATE JUN 5 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 229.450

RL 151.78 LAL -0.00 LOL 253.67 VL 24.993 GAL 2.43 AZL 93.40 HCA 95.03 SMA 118.07 ECC .28846 INC 3.4044 V1 29.353
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.274 GAP -16.17 AZP 89.70 TAL 173.98 TAP 269.00 RCA 84.01 APO 152.12 V2 34.834
 RC 44.099 GL -18.24 GP .57 ZAL 80.03 ZAP .57 ETS 272.99 ZAE 158.61 ETE 35.29 ZAC 96.39 ETC 14.25 CLP -.03

PLANETOCENTRIC CONIC

C3 22.455 VHL 4.739 DLA -14.40 RAL 167.30 RAD 6567.9 VEL 11.993 PTH 2.14 VHP 9.955 DPA 8.12 RAP 171.15 ECC 1.3696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 3 1777.64 -7.13 15.46 29.19 117.48 8 2 40 1177.6 -3.40 8.77
 90.00 15 43 59 5350.83 27.69 244.01 35.74 83.83 17 13 9 4750.8 26.55 235.53
 100.00 8 46 41 1540.03 -8.31 357.35 28.56 118.82 9 12 21 940.0 -4.40 350.74
 100.00 17 13 1 5063.68 29.02 222.70 35.56 82.49 18 37 25 4463.7 27.68 214.16
 110.00 9 37 43 1380.22 -11.36 343.40 26.72 122.46 10 0 43 780.2 -7.00 337.02
 110.00 18 38 29 4796.25 32.51 201.73 34.89 78.82 19 58 25 4196.3 30.63 193.01

DIFFERENTIAL CORRECTIONS

TDE .5303 TRA -.8759 TC3 .3332 BAU .1132
 RDE -.3003 RRA -.1358 RC3 .1762 FAU .02838
 FDE -.6527 FRA .5769 FC3-1.0941 BSP 3991
 BDE .6094 BRA .8864 BC3 .3769 FSP -333

MID-COURSE EXECUTION ACCURACY

SGT 1306.3 SGR 434.2 SG3 128.6
 RRT .0093 RRF -.0134 RTF -.8334
 SGB 1376.6 R23 -.0047 R13 -.8334
 SG1 1306.3 SG2 434.1 THA .20

ORBIT DETERMINATION ACCURACY

ST 720.3 SR 366.7 SS 704.2
 CRT -.8181 CRS -.9173 CST .9786
 LSA 1053.1 MSA 199.6 SSA 17.2
 EL1 784.7 EL2 193.5 ALF 155.82

LAUNCH DATE JUN 5 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 236.163

RL 151.78 LAL -0.00 LOL 253.67 VL 25.198 GAL 2.18 AZL 93.41 HCA 98.20 SMA 119.16 ECC .27627 INC 3.4135 V1 29.353
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.423 GAP -15.26 AZP 89.51 TAL 174.28 TAP 272.47 RCA 86.24 APO 152.07 V2 34.842
 RC 44.820 GL -19.32 GP .61 ZAL 80.90 ZAP 1.91 ETS 341.19 ZAE 156.73 ETE 31.69 ZAC 95.02 ETC 14.12 CLP -1.81

PLANETOCENTRIC CONIC

C3 20.545 VHL 4.533 DLA -15.06 RAL 166.08 RAD 6567.8 VEL 11.913 PTH 2.12 VHP 9.434 DPA 7.61 RAP 172.46 ECC 1.3381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 6 1733.02 -5.72 12.93 26.75 117.78 8 2 59 1133.0 -1.96 6.27
 90.00 15 33 11 5352.60 27.70 244.13 33.17 83.89 17 2 23 4752.6 26.57 235.65
 100.00 8 47 16 1496.93 -6.89 354.94 26.11 119.16 9 12 13 896.9 -2.95 348.37
 100.00 17 2 41 5063.92 29.02 222.72 32.99 82.50 18 27 5 4463.9 27.68 214.18
 110.00 9 37 18 1340.25 -9.89 341.23 24.29 122.89 9 59 38 740.3 -5.49 334.91
 110.00 18 29 10 4793.37 32.48 201.51 32.32 78.70 19 49 3 4193.4 30.58 192.81

DIFFERENTIAL CORRECTIONS

TDE .5389 TRA -.8444 TC3 .4127 BAU .1248
 RDE -.2811 RRA -.1256 RC3 .1903 FAU .03034
 FDE -.7038 FRA .5815 FC3-1.2785 BSP 4182
 BDE .6078 BRA .8537 BC3 .4544 FSP -373

MID-COURSE EXECUTION ACCURACY

SGT 1351.2 SGR 427.8 SG3 142.3
 RRT .0073 RRF -.0127 RTF -.8450
 SGB 1417.3 R23 -.0058 R13 -.8450
 SG1 1351.3 SG2 427.8 THA .15

ORBIT DETERMINATION ACCURACY

ST 757.7 SR 358.7 SS 749.3
 CRT -.8300 CRS -.9239 CST .9795
 LSA 1107.3 MSA 194.3 SSA 17.4
 EL1 817.6 EL2 185.4 ALF 157.31

LAUNCH DATE JUN 5 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 242.880

RL 151.78 LAL -0.00 LOL 253.67 VL 25.386 GAL 1.93 AZL 93.42 HCA 101.37 SMA 120.18 ECC .26496 INC 3.4227 V1 29.353
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.562 GAP -14.38 AZP 89.32 TAL 174.63 TAP 275.99 RCA 88.34 APO 152.03 V2 34.851
 RC 45.690 GL -20.40 GP .65 ZAL 81.85 ZAP 3.69 ETS 349.51 ZAE 154.95 ETE 28.73 ZAC 93.70 ETC 14.00 CLP -3.63

PLANETOCENTRIC CONIC

C3 18.879 VHL 4.345 DLA -15.68 RAL 164.77 RAD 6567.8 VEL 11.843 PTH 2.10 VHP 8.935 DPA 7.11 RAP 173.72 ECC 1.3107
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 40 1690.46 -4.37 10.54 24.32 118.01 8 2 50 1090.5 -.59 3.90
 90.00 15 22 10 5355.04 27.72 244.31 30.60 83.98 16 51 25 4755.0 26.60 235.82
 100.00 8 47 22 1455.90 -5.52 352.66 23.68 119.42 9 11 38 855.9 -1.56 346.12
 100.00 16 52 9 5064.83 29.03 222.79 30.42 82.53 18 16 34 4464.8 27.69 214.24
 110.00 9 36 23 1302.32 -8.48 339.20 21.87 123.24 9 58 6 702.3 -4.05 332.92
 110.00 18 19 37 4791.17 32.45 201.35 29.76 78.60 19 39 28 4191.2 30.54 192.65

DIFFERENTIAL CORRECTIONS

TDE .5465 TRA -.8134 TC3 .4973 BAU .1357
 RDE -.2629 RRA -.1159 RC3 .2042 FAU .03254
 FDE -.7612 FRA .5849 FC3-1.4923 BSP 4339
 BDE .6064 BRA .8216 BC3 .5376 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 1395.3 SGR 420.5 SG3 157.7
 RRT .0064 RRF -.0122 RTF -.8545
 SGB 1457.3 R23 -.0062 R13 -.8545
 SG1 1395.3 SG2 420.5 THA .12

ORBIT DETERMINATION ACCURACY

ST 794.4 SR 349.9 SS 797.3
 CRT -.8410 CRS -.9304 CST .9800
 LSA 1163.2 MSA 189.4 SSA 17.5
 EL1 849.8 EL2 177.0 ALF 158.71

LAUNCH DATE JUN 5 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 249.598

RL 151.78 LAL -0.00 LOL 253.67 VL 25.559 GAL 1.70 AZL 93.43 HCA 104.54 SMA 121.15 ECC .25451 INC 3.4320 V1 29.353
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.691 GAP -13.54 AZP 89.14 TAL 175.01 TAP 279.56 RCA 90.31 APO 151.98 V2 34.860
 RC 46.700 GL -21.49 GP .70 ZAL 82.88 ZAP 5.55 ETS 352.36 ZAE 153.30 ETE 26.28 ZAC 92.43 ETC 13.90 CLP -5.51

PLANETOCENTRIC CONIC

C3 17.431 VHL 4.175 DLA -16.28 RAL 163.38 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 8.455 DPA 6.63 RAP 174.94 ECC 1.2869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 45 1650.14 -3.07 8.28 21.91 118.16 8 2 15 1050.1 .72 1.65
 90.00 15 11 2 5358.07 27.74 244.53 28.04 84.09 16 40 20 4758.1 26.63 236.04
 100.00 8 46 58 1417.10 -4.22 350.52 21.28 119.62 9 10 35 817.1 -.24 343.99
 100.00 16 41 30 5066.34 29.04 222.90 27.86 82.59 18 5 56 4466.3 27.71 214.35
 110.00 9 35 1 1266.58 -7.14 337.30 19.47 123.52 9 56 8 666.6 -2.69 331.05
 110.00 18 9 56 4789.63 32.43 201.23 27.21 78.54 19 29 46 4189.6 30.51 192.54

DIFFERENTIAL CORRECTIONS

TDE .5553 TRA -.7808 TC3 .5904 BAU .1466
 RDE -.2456 RRA -.1069 RC3 .2177 FAU .03505
 FDE -.8260 FRA .5872 FC3-1.7406 BSP 4504
 BDE .6072 BRA .7881 BC3 .6292 FSP -470

MID-COURSE EXECUTION ACCURACY

SGT 1438.7 SGR 412.3 SG3 175.0
 RRT .0055 RRF -.0123 RTF -.8639
 SGB 1496.6 R23 -.0071 R13 -.8639
 SG1 1438.7 SG2 412.3 THA .10

ORBIT DETERMINATION ACCURACY

ST 832.5 SR 340.3 SS 848.9
 CRT -.8524 CRS -.9367 CST .9808
 LSA 1222.8 MSA 184.1 SSA 17.7
 EL1 883.6 EL2 167.6 ALF 160.04

LAUNCH DATE JUN 5 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

RL 151.78 LAL -.00 LOL 253.67 VL 25.717 GAL 1.48 AZL 93.44 HCA 107.72 SMA 122.05 ECC .24488 INC 3.4417 V1 29.353
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.811 GAP -12.73 AZP 88.95 TAL 175.44 TAP 283.16 RCA 92.17 APO 151.94 V2 34.870
 RC 47.841 GL -22.57 GP .76 ZAL 83.96 ZAP 7.49 ETS 353.75 ZAE 151.82 ETE 24.23 ZAC 91.22 ETC 13.80 CLP -7.45

PLANETOCENTRIC CONIC

C3 16.174 VHL 4.022 DLA -16.83 RAL 161.94 RAD 6567.6 VEL 11.729 PTH 2.07 VHP 7.995 DPA 6.19 RAP 176.10 ECC 1.2662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 34 22 1612.22 -1.85 6.16 19.54 118.26 8 1 14 1012.2 1.94 359.54
 90.00 14 59 52 5361.61 27.77 244.79 25.51 84.21 16 29 13 4761.6 26.68 236.29
 100.00 8 46 7 1380.67 -2.99 348.51 18.91 119.76 9 9 8 780.7 .99 341.99
 100.00 16 30 47 5068.39 29.06 223.05 25.34 82.67 17 55 16 4468.4 27.74 214.49
 110.00 9 33 13 1233.15 -5.88 335.53 17.11 123.73 9 53 46 633.2 -1.41 329.30
 110.00 18 0 11 4788.67 32.41 201.16 24.69 78.50 19 20 0 4188.7 30.49 192.47

DIFFERENTIAL CORRECTIONS

TDE .5630 TRA -.7486 TC3 .6867 BAU .1566
 RDE -.2294 RRA -.0984 RC3 .2305 FAU .03785
 FDE -.8987 FRA .5890 FC3-2.0261 BSP 4638
 BDE .6079 BRA .7550 BC3 .7244 FSP -528

MID-COURSE EXECUTION ACCURACY

SGT 1479.8 SGR 403.3 SG3 194.4
 RRT .0059 RRF -.0134 RTF -.8720
 SGB 1533.8 R23 -.0079 R13 -.8720
 SG1 1479.8 SG2 403.3 THA .10

ORBIT DETERMINATION ACCURACY

ST 869.1 SR 329.8 SS 903.5
 CRT -.8629 CRS -.9426 CST .9814
 LSA 1283.7 MSA 179.4 SSA 17.7
 EL1 916.0 EL2 158.1 ALF 161.29

LAUNCH DATE JUN 5 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

RL 151.78 LAL -.00 LOL 253.67 VL 25.862 GAL 1.27 AZL 93.45 HCA 110.90 SMA 122.90 ECC .23603 INC 3.4518 V1 29.353
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.922 GAP -11.94 AZP 88.77 TAL 175.89 TAP 286.79 RCA 93.89 APO 151.91 V2 34.881
 RC 49.103 GL -23.63 GP .83 ZAL 85.10 ZAP 9.50 ETS 354.54 ZAE 150.53 ETE 22.52 ZAC 90.08 ETC 13.71 CLP -9.47

PLANETOCENTRIC CONIC

C3 15.086 VHL 3.884 DLA -17.36 RAL 160.44 RAD 6567.6 VEL 11.682 PTH 2.05 VHP 7.554 DPA 5.78 RAP 177.19 ECC 1.2483
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 33 33 1576.79 -.71 4.19 17.21 118.31 7 59 50 976.8 3.08 357.56
 90.00 14 48 45 5365.57 27.79 245.07 23.02 84.36 16 18 10 4765.6 26.72 236.57
 100.00 8 44 51 1346.73 -1.84 346.65 16.58 119.84 9 7 18 746.7 2.14 340.13
 100.00 16 20 8 5070.87 29.08 223.23 22.86 82.76 17 44 39 4470.9 27.77 214.67
 110.00 9 31 1 1202.11 -4.71 333.90 14.80 123.90 9 51 3 602.1 -.22 327.68
 110.00 17 50 28 4788.25 32.41 201.13 22.22 78.48 19 10 16 4188.2 30.48 192.44

DIFFERENTIAL CORRECTIONS

TDE .5715 TRA -.7149 TC3 .7883 BAU .1663
 RDE -.2140 RRA -.0906 RC3 .2425 FAU .04104
 FDE -.9816 FRA .5890 FC3-2.3552 BSP 4792
 BDE .6103 BRA .7206 BC3 .8247 FSP -595

MID-COURSE EXECUTION ACCURACY

SGT 1518.7 SGR 393.3 SG3 216.4
 RRT .0065 RRF -.0153 RTF -.8799
 SGB 1568.8 R23 -.0091 R13 -.8799
 SG1 1518.7 SG2 393.3 THA .10

ORBIT DETERMINATION ACCURACY

ST 906.1 SR 318.5 SS 962.4
 CRT -.8736 CRS -.9482 CST .9822
 LSA 1348.3 MSA 174.6 SSA 17.7
 EL1 948.9 EL2 148.0 ALF 162.49

LAUNCH DATE JUN 5 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

RL 151.78 LAL -.00 LOL 253.67 VL 25.995 GAL 1.07 AZL 93.46 HCA 114.08 SMA 123.68 ECC .22792 INC 3.4622 V1 29.353
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.025 GAP -11.19 AZP 88.59 TAL 176.37 TAP 290.45 RCA 95.49 APO 151.87 V2 34.891
 RC 50.476 GL -24.66 GP .90 ZAL 86.26 ZAP 11.61 ETS 355.03 ZAE 149.45 ETE 21.09 ZAC 89.02 ETC 13.64 CLP -11.57

PLANETOCENTRIC CONIC

C3 14.147 VHL 3.761 DLA -17.84 RAL 158.92 RAD 6567.6 VEL 11.642 PTH 2.04 VHP 7.132 DPA 5.40 RAP 178.21 ECC 1.2328
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 32 22 1543.94 .35 2.36 14.95 118.32 7 58 6 943.9 4.13 355.72
 90.00 14 37 47 5369.85 27.82 245.38 20.60 84.51 16 7 17 4769.8 26.77 236.87
 100.00 8 43 13 1315.31 -.78 344.92 14.32 119.88 9 5 8 715.3 3.20 338.40
 100.00 16 9 37 5073.71 29.11 223.44 20.44 82.87 17 34 11 4473.7 27.81 214.87
 110.00 9 28 29 1173.49 -3.62 332.40 12.55 124.01 9 48 2 573.5 .87 326.19
 110.00 17 40 51 4788.29 32.41 201.13 19.81 78.48 19 0 39 4188.3 30.48 192.44

DIFFERENTIAL CORRECTIONS

TDE .5784 TRA -.6815 TC3 .8904 BAU .1751
 RDE -.1993 RRA -.0833 RC3 .2535 FAU .04466
 FDE -1.0746 FRA .5877 FC3-2.7331 BSP 4908
 BDE .6118 BRA .6866 BC3 .9258 FSP -669

MID-COURSE EXECUTION ACCURACY

SGT 1553.8 SGR 382.5 SG3 241.2
 RRT .0094 RRF -.0192 RTF -.8866
 SGB 1600.2 R23 -.0103 R13 -.8866
 SG1 1553.8 SG2 382.5 THA .14

ORBIT DETERMINATION ACCURACY

ST 940.1 SR 306.3 SS 1024.2
 CRT -.8832 CRS -.9533 CST .9829
 LSA 1413.2 MSA 170.5 SSA 17.7
 EL1 979.1 EL2 137.9 ALF 163.61

LAUNCH DATE JUN 5 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

RL 151.78 LAL -.00 LOL 253.67 VL 26.115 GAL .88 AZL 93.47 HCA 117.26 SMA 124.41 ECC .22062 INC 3.4732 V1 29.353
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.121 GAP -10.46 AZP 88.41 TAL 176.87 TAP 294.13 RCA 96.98 APO 151.85 V2 34.903
 RC 51.950 GL -25.67 GP .98 ZAL 87.43 ZAP 13.81 ETS 355.35 ZAE 148.60 ETE 19.90 ZAC 88.05 ETC 13.57 CLP -13.77

PLANETOCENTRIC CONIC

C3 13.339 VHL 3.652 DLA -18.29 RAL 157.38 RAD 6567.5 VEL 11.607 PTH 2.03 VHP 6.728 DPA 5.08 RAP 179.14 ECC 1.2195
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 30 50 1513.68 1.33 .67 12.75 118.29 7 56 4 913.7 5.10 354.02
 90.00 14 27 4 5374.36 27.85 245.71 18.26 84.67 15 56 38 4774.4 26.82 237.19
 100.00 8 41 16 1286.45 .20 343.34 12.12 119.89 9 2 42 686.4 4.18 336.81
 100.00 15 59 20 5076.83 29.13 223.67 18.10 82.98 17 23 57 4476.8 27.85 215.10
 110.00 9 25 40 1147.30 -2.62 331.03 10.36 124.09 9 44 48 547.3 1.87 324.82
 110.00 17 31 25 4788.74 32.41 201.16 17.48 78.50 18 51 13 4188.7 30.49 192.48

DIFFERENTIAL CORRECTIONS

TDE .5862 TRA -.6460 TC3 .9942 BAU .1834
 RDE -.1853 RRA -.0766 RC3 .2634 FAU .04875
 FDE -1.1814 FRA .5840 FC3-3.1643 BSP 5071
 BDE .6148 BRA .6505 BC3 1.0285 FSP -758

MID-COURSE EXECUTION ACCURACY

SGT 1585.0 SGR 370.9 SG3 269.2
 RRT .0127 RRF -.0243 RTF -.8935
 SGB 1627.8 R23 -.0123 R13 -.8935
 SG1 1585.0 SG2 370.9 THA .18

ORBIT DETERMINATION ACCURACY

ST 974.0 SR 293.3 SS 1091.2
 CRT -.8930 CRS -.9582 CST .9837
 LSA 1482.4 MSA 166.2 SSA 17.5
 EL1 1009.2 EL2 127.4 ALF 164.70

LAUNCH DATE JUN 5 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 283.115

RL 151.78 LAL -.00 LOL 253.67 VL 26.225 GAL .71 AZL 93.48 HCA 120.44 SMA 125.09 ECC .21379 INC 3.4849 V1 29.353
 RP 108.54 LAP -3.00 LOP 14.15 VP 37.209 GAP -9.76 AZP 88.23 TAL 177.38 TAP 297.82 RCA 98.34 APO 151.83 V2 34.914
 RC 53.515 GL -26.63 GP 1.08 ZAL 88.60 ZAP 16.12 ETS 355.57 ZAE 147.98 ETE 18.92 ZAC 87.18 ETC 13.50 CLP -16.08

PLANETOCENTRIC CONIC

C3 12.645 VHL 3.556 DLA -18.70 RAL 155.86 RAD 6567.5 VEL 11.577 PTH 2.02 VHP 6.342 DPA 4.81 RAP 179.98 ECC 1.2081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 29 4 1485.97 2.22 359.12 10.64 118.24 7 53 50 886.0 5.98 352.46
 90.00 14 16 40 5379.08 27.88 246.05 16.02 84.84 15 46 19 4779.1 26.87 237.53
 100.00 8 39 4 1260.07 1.10 341.89 10.02 119.87 9 0 4 660.1 5.06 335.35
 100.00 15 49 21 5080.21 29.16 223.91 15.86 83.11 17 14 1 4480.2 27.90 215.34
 110.00 9 22 40 1123.47 -1.71 329.78 8.26 124.15 9 41 23 523.5 2.78 323.58
 110.00 17 22 15 4789.57 32.43 201.23 15.25 78.53 18 42 4 4189.6 30.51 192.54

DIFFERENTIAL CORRECTIONS

TDE .5900 TRA -.6135 TC3 1.0866 BAU .1894
 RDE -.1718 RRA -.0704 RC3 .2724 FAU .05333
 FDE-1.3012 FRA .5803 FC3-3.6514 BSP 5093
 BDE .6145 BRA .6176 BC3 1.1202 FSP -850

MID-COURSE EXECUTION ACCURACY

SGT 1609.3 SGR 358.5 SG3 300.7
 RRT .0201 RRF -.0329 RTF -.8980
 SGB 1648.8 R23 -.0139 R13 -.8980
 SG1 1609.3 SG2 358.4 THA .27

ORBIT DETERMINATION ACCURACY

ST 1001.1 SR 279.2 SS 1161.0
 CRT -.9007 CRS -.9623 CST .9841
 LSA 1549.5 MSA 163.6 SSA 17.2
 EL1 1032.6 EL2 117.6 ALF 165.71

LAUNCH DATE JUN 5 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 289.789

RL 151.78 LAL -.00 LOL 253.67 VL 26.324 GAL .55 AZL 93.50 HCA 123.63 SMA 125.70 ECC .20769 INC 3.4973 V1 29.353
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.290 GAP -9.07 AZP 88.06 TAL 177.89 TAP 301.52 RCA 99.60 APO 151.81 V2 34.926
 RC 55.163 GL -27.51 GP 1.19 ZAL 89.76 ZAP 18.56 ETS 355.71 ZAE 147.61 ETE 18.14 ZAC 86.43 ETC 13.45 CLP -18.52

PLANETOCENTRIC CONIC

C3 12.053 VHL 3.472 DLA -19.07 RAL 154.36 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 5.974 DPA 4.61 RAP 180.71 ECC 1.1984
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 6 1460.70 3.03 357.71 8.63 118.17 7 51 27 860.7 6.78 351.03
 90.00 14 6 39 5383.95 27.91 246.41 13.88 85.01 15 36 23 4784.0 26.93 237.88
 100.00 8 36 42 1236.09 1.91 340.58 8.01 119.84 8 57 19 636.1 5.87 334.02
 100.00 15 39 44 5083.80 29.19 224.18 13.73 83.25 17 4 28 4483.8 27.95 215.59
 110.00 9 19 32 1101.90 -.88 328.66 6.26 124.17 9 37 54 501.9 3.61 322.45
 110.00 17 13 24 4790.76 32.44 201.31 13.13 78.58 18 33 15 4190.8 30.53 192.62

DIFFERENTIAL CORRECTIONS

TDE .5943 TRA -.5783 TC3 1.1809 BAU .1956
 RDE -.1586 RRA -.0647 RC3 .2805 FAU .05866
 FDE-1.4387 FRA .5732 FC3-4.2135 BSP 5209
 BDE .6151 BRA .5820 BC3 1.2137 FSP -963

MID-COURSE EXECUTION ACCURACY

SGT 1629.1 SGR 345.3 SG3 336.8
 RRT .0304 RRF -.0455 RTF -.9035
 SGB 1665.3 R23 -.0168 R13 -.9035
 SG1 1629.2 SG2 345.1 THA .39

ORBIT DETERMINATION ACCURACY

ST 1026.8 SR 264.0 SS 1236.2
 CRT -.9086 CRS -.9661 CST .9849
 LSA 1620.5 MSA 160.4 SSA 16.8
 EL1 1054.7 EL2 107.4 ALF 166.71

LAUNCH DATE JUN 5 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 296.450

RL 151.78 LAL -.00 LOL 253.67 VL 26.414 GAL .41 AZL 93.51 HCA 126.82 SMA 126.27 ECC .20218 INC 3.5108 V1 29.353
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.365 GAP -8.42 AZP 87.89 TAL 178.39 TAP 305.21 RCA 100.74 APO 151.80 V2 34.938
 RC 56.885 GL -28.42 GP 1.32 ZAL 90.87 ZAP 21.14 ETS 355.81 ZAE 147.50 ETE 17.56 ZAC 85.81 ETC 13.40 CLP -21.10

PLANETOCENTRIC CONIC

C3 11.549 VHL 3.398 DLA -19.42 RAL 152.90 RAD 6567.4 VEL 11.530 PTH 2.01 VHP 5.625 DPA 4.48 RAP 181.32 ECC 1.1901
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 25 4 1437.70 3.77 356.42 6.74 118.09 7 49 1 837.7 7.50 349.73
 90.00 13 57 5 5389.04 27.94 246.77 11.87 85.20 15 26 54 4789.0 26.98 238.24
 100.00 8 34 17 1214.32 2.65 339.38 6.11 119.79 8 54 31 614.3 6.59 332.81
 100.00 15 30 33 5087.66 29.22 224.46 11.73 83.39 16 55 20 4487.7 28.00 215.87
 110.00 9 16 23 1082.41 -.14 327.64 4.37 124.18 9 34 25 482.4 4.35 321.43
 110.00 17 4 56 4792.33 32.46 201.43 11.13 78.65 18 24 49 4192.3 30.56 192.73

DIFFERENTIAL CORRECTIONS

TDE .5939 TRA -.5451 TC3 1.2550 BAU .1988
 RDE -.1456 RRA -.0595 RC3 .2880 FAU .06458
 FDE-1.5934 FRA .5644 FC3-4.8415 BSP 5255
 BDE .6115 BRA .5484 BC3 1.2877 FSP -1090

MID-COURSE EXECUTION ACCURACY

SGT 1637.1 SGR 331.5 SG3 377.2
 RRT .0459 RRF -.0636 RTF -.9066
 SGB 1670.3 R23 -.0202 R13 -.9067
 SG1 1637.1 SG2 331.1 THA .55

ORBIT DETERMINATION ACCURACY

ST 1043.5 SR 247.6 SS 1314.7
 CRT -.9146 CRS -.9692 CST .9852
 LSA 1689.1 MSA 158.7 SSA 16.3
 EL1 1068.0 EL2 97.8 ALF 167.65

LAUNCH DATE JUN 5 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 303.095

RL 151.78 LAL -.00 LOL 253.67 VL 26.494 GAL .27 AZL 93.53 HCA 130.01 SMA 126.79 ECC .19724 INC 3.5254 V1 29.353
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.433 GAP -7.78 AZP 87.73 TAL 178.89 TAP 308.89 RCA 101.78 APO 151.79 V2 34.951
 RC 58.673 GL -29.24 GP 1.47 ZAL 91.94 ZAP 23.88 ETS 355.87 ZAE 147.67 ETE 17.17 ZAC 85.33 ETC 13.36 CLP -23.84

PLANETOCENTRIC CONIC

C3 11.122 VHL 3.335 DLA -19.74 RAL 151.50 RAD 6567.4 VEL 11.511 PTH 2.01 VHP 5.293 DPA 4.43 RAP 181.79 ECC 1.1830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 2 1416.76 4.44 355.25 4.97 118.00 7 46 38 816.8 8.15 348.54
 90.00 13 47 58 5394.39 27.97 247.16 10.00 85.39 15 17 53 4794.4 27.04 238.62
 100.00 8 31 53 1194.55 3.31 338.29 4.34 119.73 8 51 48 594.6 7.25 331.71
 100.00 15 21 48 5091.83 29.25 224.76 9.86 83.55 16 46 40 4491.8 28.05 216.17
 110.00 9 13 17 1064.83 .53 326.72 2.61 124.18 9 31 2 464.8 5.01 320.50
 110.00 16 56 53 4794.32 32.49 201.58 9.27 78.74 18 16 48 4194.3 30.60 192.88

DIFFERENTIAL CORRECTIONS

TDE .5920 TRA -.5124 TC3 1.3210 BAU .2013
 RDE -.1325 RRA -.0548 RC3 .2952 FAU .07137
 FDE-1.7706 FRA .5546 FC3-5.5556 BSP 5304
 BDE .6067 BRA .5154 BC3 1.3536 FSP -1238

MID-COURSE EXECUTION ACCURACY

SGT 1638.8 SGR 317.2 SG3 423.4
 RRT .0683 RRF -.0890 RTF -.9098
 SGB 1669.2 R23 -.0246 R13 -.9099
 SG1 1639.0 SG2 316.4 THA .79

ORBIT DETERMINATION ACCURACY

ST 1055.4 SR 229.7 SS 1398.9
 CRT -.9197 CRS -.9716 CST .9856
 LSA 1760.3 MSA 157.1 SSA 15.7
 EL1 1076.5 EL2 88.4 ALF 168.60

LAUNCH DATE JUN 5 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 309.724

RL 151.78 LAL -.00 LOL 253.67 VL 26.567 GAL .15 AZL 93.54 HCA 133.20 SMA 127.25 ECC .19281 INC 3.5414 V1 29.353
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.496 GAP -7.16 AZP 87.57 TAL 179.36 TAP 312.56 RCA 102.72 APO 151.79 V2 34.964
 RC 60.521 GL -30.01 GP 1.65 ZAL 92.94 ZAP 26.80 ETS 355.92 ZAE 148.11 ETE 17.00 ZAC 85.02 ETC 13.33 CLP -26.76

PLANETOCENTRIC CONIC

C3 10.764 VHL 3.281 DLA -20.04 RAL 150.18 RAD 6567.4 VEL 11.496 PTH 2.00 VHP 4.979 DPA 4.48 RAP 182.12 ECC 1.1771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 8 1397.57 5.05 354.17 3.33 117.90 7 44 26 797.6 8.75 347.44
 90.00 13 39 20 5400.16 28.00 247.58 8.27 85.60 15 9 20 4800.2 27.10 239.03
 100.00 8 29 38 1176.51 3.92 337.30 2.71 119.66 8 49 14 576.5 7.84 330.70
 100.00 15 13 31 5096.45 29.29 225.10 8.14 83.73 16 38 27 4496.4 28.11 216.50
 110.00 9 10 21 1048.89 1.14 325.89 .98 124.17 9 27 50 448.9 5.62 319.66
 110.00 16 49 17 4796.83 32.52 201.77 7.56 78.84 18 9 13 4196.8 30.64 193.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5856 TRA -.4829 TC3 1.3663 BAU .2014 SGT 1629.5 SGR 302.7 SG3 475.8 ST 1057.9 SR 210.1 SS 1489.1
 RDE -.1191 RRA -.0505 RC3 .3030 FAU .07909 RRT .1007 RRF -.1248 RTF -.9112 CRT -.9228 CRS -.9733 CST .9856
 FDE -1.9731 FRA .5456 FC3-6.3614 BSP 5130 SGB 1657.4 R23 -.0300 R13 -.9113 LSA 1831.9 MSA 156.8 SSA 15.0
 BDE .5976 BRA .4855 BC3 1.3995 FSP -1379 SG1 1629.8 SG2 301.1 THA 1.11 EL1 1075.6 EL2 79.6 ALF 169.56

LAUNCH DATE JUN 5 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 316.337

RL 151.78 LAL -.00 LOL 253.67 VL 26.631 GAL .05 AZL 93.56 HCA 136.39 SMA 127.67 ECC .18888 INC 3.5592 V1 29.353
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.554 GAP -6.56 AZP 87.42 TAL 179.80 TAP 316.19 RCA 103.56 APO 151.79 V2 34.977
 RC 62.420 GL -30.73 GP 1.86 ZAL 93.86 ZAP 29.93 ETS 355.95 ZAE 148.85 ETE 17.07 ZAC 84.90 ETC 13.31 CLP -29.87

PLANETOCENTRIC CONIC

C3 10.465 VHL 3.235 DLA -20.32 RAL 148.95 RAD 6567.4 VEL 11.483 PTH 2.00 VHP 4.684 DPA 4.63 RAP 182.28 ECC 1.1722
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 19 30 1379.76 5.62 353.17 1.85 117.80 7 42 30 779.8 9.30 346.42
 90.00 13 31 8 5406.55 28.03 248.05 6.71 85.83 15 1 14 4806.5 27.16 239.49
 100.00 8 27 39 1159.85 4.48 336.38 1.22 119.59 8 46 58 559.8 8.39 329.77
 100.00 15 5 40 5101.69 29.32 225.49 6.58 83.92 16 30 42 4501.7 28.17 216.87
 110.00 9 7 42 1034.29 1.70 325.13 359.49 124.15 9 24 57 434.3 6.17 318.90
 110.00 16 42 6 4800.01 32.56 202.01 6.01 78.98 18 2 6 4200.0 30.70 193.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5590 TRA -.4622 TC3 1.3188 BAU .1896 SGT 1571.6 SGR 288.3 SG3 524.9 ST 1024.3 SR 188.6 SS 1558.7
 RDE -.1054 RRA -.0466 RC3 .3111 FAU .08581 RRT .1410 RRF -.1717 RTF -.9038 CRT -.9198 CRS -.9731 CST .9843
 FDE -2.1660 FRA .5538 FC3-7.0986 BSP 4698 SGB 1597.9 R23 -.0404 R13 -.9041 LSA 1867.8 MSA 159.6 SSA 14.2
 BDE .5688 BRA .4645 BC3 1.3550 FSP -1481 SG1 1572.2 SG2 285.3 THA 1.53 EL1 1039.0 EL2 72.9 ALF 170.34

LAUNCH DATE JUN 5 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 322.931

RL 151.78 LAL -.00 LOL 253.67 VL 26.688 GAL -.05 AZL 93.58 HCA 139.59 SMA 128.05 ECC .18540 INC 3.5793 V1 29.353
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.607 GAP -5.98 AZP 87.27 TAL 180.21 TAP 319.80 RCA 104.31 APO 151.79 V2 34.990
 RC 64.367 GL -31.41 GP 2.11 ZAL 94.70 ZAP 33.27 ETS 355.98 ZAE 149.89 ETE 17.43 ZAC 84.97 ETC 13.30 CLP -33.21

PLANETOCENTRIC CONIC

C3 10.220 VHL 3.197 DLA -20.60 RAL 147.81 RAD 6567.4 VEL 11.472 PTH 1.99 VHP 4.408 DPA 4.92 RAP 182.25 ECC 1.1682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 13 1363.02 6.15 352.22 .51 117.69 7 40 56 763.0 9.81 345.46
 90.00 13 23 20 5413.72 28.07 248.57 5.31 86.09 14 53 33 4813.7 27.23 240.00
 100.00 8 26 0 1144.27 5.01 335.52 359.88 119.51 8 45 4 544.3 8.90 328.90
 100.00 14 58 14 5107.70 29.37 225.93 5.18 84.15 16 23 22 4507.7 28.25 217.31
 110.00 9 5 24 1020.80 2.22 324.43 358.15 124.12 9 22 24 420.8 6.68 318.18
 110.00 16 35 19 4803.94 32.61 202.30 4.62 79.15 17 55 23 4203.9 30.77 193.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5637 TRA -.4241 TC3 1.4227 BAU .1993 SGT 1583.4 SGR 275.4 SG3 604.9 ST 1039.5 SR 164.1 SS 1688.3
 RDE -.0905 RRA -.0429 RC3 .3235 FAU .09854 RRT .2089 RRF -.2432 RTF -.9136 CRT -.9238 CRS -.9736 CST .9857
 FDE -2.4665 FRA .5191 FC3-8.3477 BSP 5392 SGB 1607.2 R23 -.0477 R13 -.9139 LSA 1983.4 MSA 155.6 SSA 13.4
 BDE .5709 BRA .4262 BC3 1.4590 FSP -1874 SG1 1584.5 SG2 269.1 THA 2.14 EL1 1050.6 EL2 62.2 ALF 171.67

LAUNCH DATE JUN 5 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 329.508

RL 151.78 LAL -.00 LOL 253.67 VL 26.738 GAL -.13 AZL 93.60 HCA 142.79 SMA 128.38 ECC .18235 INC 3.6022 V1 29.353
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.655 GAP -5.42 AZP 87.13 TAL 180.58 TAP 323.37 RCA 104.97 APO 151.79 V2 35.003
 RC 66.356 GL -32.05 GP 2.41 ZAL 95.44 ZAP 36.86 ETS 356.00 ZAE 151.23 ETE 18.15 ZAC 85.27 ETC 13.30 CLP -36.80

PLANETOCENTRIC CONIC

C3 10.022 VHL 3.166 DLA -20.88 RAL 146.78 RAD 6567.4 VEL 11.463 PTH 1.99 VHP 4.151 DPA 5.35 RAP 182.02 ECC 1.1649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 28 1346.81 6.66 351.31 359.34 117.59 7 39 55 746.8 10.31 344.52
 90.00 13 15 52 5422.10 28.11 249.18 4.08 86.39 14 46 14 4822.1 27.31 240.60
 100.00 8 24 52 1129.30 5.51 334.69 358.71 119.43 8 43 41 529.3 9.39 328.05
 100.00 14 51 9 5114.85 29.42 226.46 3.96 84.43 16 16 24 4514.8 28.33 217.82
 110.00 9 3 34 1007.99 2.71 323.76 356.97 124.09 9 20 22 408.0 7.16 317.50
 110.00 16 28 56 4808.92 32.68 202.68 3.42 79.36 17 49 5 4208.9 30.87 193.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5395 TRA -.3939 TC3 1.3435 BAU .1856 SGT 1503.0 SGR 263.7 SG3 674.0 ST 1003.2 SR 136.7 SS 1796.1
 RDE -.0744 RRA -.0395 RC3 .3372 FAU .10818 RRT .2738 RRF -.3218 RTF -.9063 CRT -.9189 CRS -.9715 CST .9848
 FDE -2.7612 FRA .4830 FC3-9.3448 BSP 5032 SGB 1526.0 R23 -.0691 R13 -.9069 LSA 2055.8 MSA 156.4 SSA 12.4
 BDE .5446 BRA .3958 BC3 1.3851 FSP -2080 SG1 1504.8 SG2 253.3 THA 2.83 EL1 1011.1 EL2 53.5 ALF 172.84

LAUNCH DATE JUN 5 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 336.065

RL 151.78 LAL -.00 LOL 253.67 VL 26.782 GAL -.20 AZL 93.63 HCA 145.99 SMA 128.67 ECC .17968 INC 3.6287 V1 29.353
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.698 GAP -4.88 AZP 86.99 TAL 180.91 TAP 326.90 RCA 105.55 APO 151.79 V2 35.016
 RC 68.382 GL -32.66 GP 2.76 ZAL 96.07 ZAP 40.72 ETS 356.04 ZAE 152.89 ETE 19.36 ZAC 85.81 ETC 13.33 CLP -40.64

PLANETOCENTRIC CONIC

C3 9.867 VHL 3.141 DLA -21.18 RAL 145.86 RAD 6567.4 VEL 11.457 PTH 1.99 VHP 3.914 DPA 5.94 RAP 181.58 ECC 1.1624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 23 1330.62 7.17 350.39 358.34 117.47 7 39 34 730.6 10.80 343.59
 90.00 13 8 36 5432.08 28.15 249.91 3.03 86.75 14 39 8 4832.1 27.40 241.32
 100.00 8 24 22 1114.46 6.00 333.87 357.70 119.34 8 42 57 514.5 9.87 327.21
 100.00 14 44 18 5123.48 29.47 227.09 2.92 84.76 16 9 42 4523.5 28.43 218.44
 110.00 9 2 19 995.50 3.18 323.10 355.95 124.05 9 18 55 395.5 7.63 316.84
 110.00 16 22 50 4815.20 32.76 203.15 2.39 79.63 17 43 6 4215.2 30.98 194.38

DIFFERENTIAL CORRECTIONS

TDE .5108 TRA -.3674 TC3 1.2589 BAU .1726
 RDE -.0566 RRA -.0363 RC3 .3557 FAU .11963
 FDE -3.0935 FRA .4558 FC-10.4966 BSP 4688
 BDE .5139 BRA .3692 BC3 1.3082 FSP -2321

MID-COURSE EXECUTION ACCURACY

SGT 1417.8 SGR 256.2 SG3 753.8
 RRT .3626 RRF -.4272 RTF -.8985
 SGB 1440.8 R23 -.0987 R13 -.8996
 SG1 1421.0 SG2 238.2 THA 3.86

ORBIT DETERMINATION ACCURACY

ST 956.7 SR 105.5 SS 1911.3
 CRT -.9048 CRS -.9638 CST .9838
 LSA 2134.2 MSA 156.5 SSA 11.4
 EL1 961.4 EL2 44.7 ALF 174.29

LAUNCH DATE JUN 5 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 342.603

RL 151.78 LAL -.00 LOL 253.67 VL 26.820 GAL -.25 AZL 93.66 HCA 149.20 SMA 128.92 ECC .17739 INC 3.6601 V1 29.353
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.737 GAP -4.34 AZP 86.85 TAL 181.18 TAP 330.38 RCA 106.05 APO 151.79 V2 35.029
 RC 70.443 GL -33.25 GP 3.20 ZAL 96.59 ZAP 44.86 ETS 356.08 ZAE 154.84 ETE 21.24 ZAC 86.60 ETC 13.38 CLP -44.77

PLANETOCENTRIC CONIC

C3 9.752 VHL 3.123 DLA -21.50 RAL 145.05 RAD 6567.4 VEL 11.452 PTH 1.99 VHP 3.697 DPA 6.71 RAP 180.92 ECC 1.1605
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 9 1313.86 7.70 349.44 357.50 117.33 7 40 3 713.9 11.30 342.61
 90.00 13 1 24 5444.20 28.19 250.79 2.16 87.20 14 32 8 4844.2 27.50 242.19
 100.00 8 24 39 1099.23 6.51 333.02 356.86 119.24 8 42 58 499.2 10.36 326.35
 100.00 14 37 35 5134.07 29.53 227.87 2.06 85.16 16 3 9 4534.1 28.55 219.21
 110.00 9 1 46 982.91 3.66 322.44 355.10 124.01 9 18 8 382.9 8.10 316.17
 110.00 16 16 58 4823.15 32.85 203.75 1.55 79.97 17 37 21 4223.1 31.12 194.96

DIFFERENTIAL CORRECTIONS

TDE .4712 TRA -.3465 TC3 1.1505 BAU .1580
 RDE -.0365 RRA -.0336 RC3 .3813 FAU .13279
 FDE -3.4555 FRA .4374 FC-11.7890 BSP 4356
 BDE .4726 BRA .3481 BC3 1.2120 FSP -2621

MID-COURSE EXECUTION ACCURACY

SGT 1315.5 SGR 256.0 SG3 842.8
 RRT .4704 RRF -.5549 RTF -.8854
 SGB 1340.2 R23 -.1427 R13 -.8878
 SG1 1321.2 SG2 225.0 THA 5.39

ORBIT DETERMINATION ACCURACY

ST 888.8 SR 70.2 SS 2028.3
 CRT -.8601 CRS -.9373 CST .9816
 LSA 2209.9 MSA 157.7 SSA 10.5
 EL1 890.8 EL2 35.7 ALF 176.11

LAUNCH DATE JUN 5 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 349.123

RL 151.78 LAL -.00 LOL 253.67 VL 26.852 GAL -.30 AZL 93.70 HCA 152.40 SMA 129.14 ECC .17543 INC 3.6980 V1 29.353
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.772 GAP -3.83 AZP 86.72 TAL 181.40 TAP 333.80 RCA 106.49 APO 151.79 V2 35.042
 RC 72.534 GL -33.83 GP 3.74 ZAL 97.00 ZAP 49.29 ETS 356.15 ZAE 157.05 ETE 24.09 ZAC 87.64 ETC 13.49 CLP -49.19

PLANETOCENTRIC CONIC

C3 9.676 VHL 3.111 DLA -21.86 RAL 144.36 RAD 6567.3 VEL 11.448 PTH 1.99 VHP 3.503 DPA 7.70 RAP 180.03 ECC 1.1592
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 19 59 1295.69 8.26 348.41 356.85 117.18 7 41 35 695.7 11.84 341.56
 90.00 12 54 2 5459.29 28.23 251.89 1.48 87.75 14 25 1 4859.3 27.62 243.28
 100.00 8 25 55 1082.90 7.05 332.11 356.20 119.12 8 43 58 482.9 10.88 325.42
 100.00 14 30 47 5147.31 29.61 228.85 1.39 85.67 15 56 34 4547.3 28.69 220.17
 110.00 9 2 2 969.68 4.17 321.75 354.42 123.96 9 18 12 369.7 8.60 315.46
 110.00 16 11 9 4833.29 32.97 204.52 .90 80.41 17 31 42 4233.3 31.30 195.70

DIFFERENTIAL CORRECTIONS

TDE .4206 TRA -.3295 TC3 .9720 BAU .1366
 RDE -.0134 RRA -.0311 RC3 .4135 FAU .14548
 FDE -3.8481 FRA .4239 FC-13.0166 BSP 3840
 BDE .4208 BRA .3309 BC3 1.0563 FSP -2904

MID-COURSE EXECUTION ACCURACY

SGT 1180.4 SGR 265.7 SG3 932.7
 RRT .5638 RRF -.6835 RTF -.8584
 SGB 1210.0 R23 -.2209 R13 -.8639
 SG1 1190.2 SG2 217.7 THA 7.49

ORBIT DETERMINATION ACCURACY

ST 799.4 SR 31.8 SS 2148.1
 CRT -.6029 CRS -.7454 CST .9775
 LSA 2286.6 MSA 159.7 SSA 9.4
 EL1 799.6 EL2 25.3 ALF 178.63

LAUNCH DATE JUN 5 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 355.622

RL 151.78 LAL -.00 LOL 253.67 VL 26.879 GAL -.33 AZL 93.75 HCA 155.61 SMA 129.32 ECC .17378 INC 3.7452 V1 29.353
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.804 GAP -3.33 AZP 86.59 TAL 181.56 TAP 337.18 RCA 106.85 APO 151.80 V2 35.056
 RC 74.652 GL -34.44 GP 4.42 ZAL 97.28 ZAP 54.02 ETS 356.25 ZAE 159.44 ETE 28.43 ZAC 88.93 ETC 13.65 CLP -53.90

PLANETOCENTRIC CONIC

C3 9.640 VHL 3.105 DLA -22.29 RAL 143.77 RAD 6567.3 VEL 11.447 PTH 1.99 VHP 3.332 DPA 8.94 RAP 178.93 ECC 1.1587
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 10 1275.09 8.90 347.23 356.39 116.99 7 44 25 675.1 12.45 340.35
 90.00 12 46 9 5478.44 28.28 253.29 .98 88.45 14 17 27 4878.4 27.76 244.66
 100.00 8 28 23 1064.60 7.66 331.09 355.72 118.98 8 46 8 464.6 11.47 324.37
 100.00 14 23 37 5164.16 29.69 230.10 .91 86.32 15 49 41 4564.2 28.86 221.39
 110.00 9 3 17 955.19 4.72 320.99 353.91 123.90 9 19 13 355.2 9.14 314.69
 110.00 16 5 12 4846.34 33.11 205.51 .46 80.98 17 25 59 4246.3 31.51 196.65

DIFFERENTIAL CORRECTIONS

TDE .3607 TRA -.3124 TC3 .7727 BAU .1158
 RDE .0140 RRA -.0288 RC3 .4581 FAU .15972
 FDE -4.2785 FRA .3998 FC-14.3437 BSP 3313
 BDE .3610 BRA .3137 BC3 .8983 FSP -3227

MID-COURSE EXECUTION ACCURACY

SGT 1030.3 SGR 291.4 SG3 1030.7
 RRT .6313 RRF -.8009 RTF -.8158
 SGB 1070.7 R23 -.3360 R13 -.8298
 SG1 1047.4 SG2 222.3 THA 10.61

ORBIT DETERMINATION ACCURACY

ST 691.5 SR 32.2 SS 2275.5
 CRT .9225 CRS .8268 CST .9704
 LSA 2373.0 MSA 160.8 SSA 8.4
 EL1 692.2 EL2 12.4 ALF 2.46

LAUNCH DATE JUN 5 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 362.101

RL 151.78 LAL -.00 LOL 253.67 VL 26.902 GAL -.35 AZL 93.81 MCA 158.82 SMA 129.47 ECC .17242 INC 3.8055 V1 29.353
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.832 GAP -2.84 AZP 86.45 TAL 181.67 TAP 340.49 RCA 107.15 APO 151.80 V2 35.069
 RC 76.795 GL -35.08 GP 5.29 ZAL 97.44 ZAP 59.05 ETS 356.39 ZAE 161.87 ETE 35.07 ZAC 90.44 ETC 13.90 CLP -58.90

PLANETOCENTRIC CONIC

C3 9.651 VHL 3.107 DLA -22.80 RAL 143.28 RAD 6567.3 VEL 11.447 PTH 1.99 VHP 3.186 DPA 10.46 RAP 177.64 ECC 1.1588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 10 1250.46 9.66 345.82 356.13 116.75 7 49 1 650.5 13.17 338.90
 90.00 12 37 14 5503.48 28.31 255.12 .68 89.36 14 8 57 4903.5 27.92 246.48
 100.00 8 32 27 1043.03 8.37 329.88 355.44 118.80 8 49 50 443.0 12.15 323.13
 100.00 14 15 39 5186.15 29.77 231.73 .63 87.18 15 42 5 4586.2 29.06 222.99
 110.00 9 5 47 938.51 5.35 320.11 353.59 123.81 9 21 25 338.5 9.75 313.79
 110.00 15 58 48 4863.44 33.29 206.82 .23 81.74 17 19 51 4263.4 31.79 197.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2881 TRA -.2979 TC3 .5149 BAU .0940 SGT 860.2 SGR 336.3 SG3 1125.5 ST 560.7 SR 89.2 SS 2404.1
 RDE .0473 RRA -.0267 RC3 .5156 FAU .17301 RRT .6247 RRF -.8881 RTF -.7288 CRT .9858 CRS .9851 CST .9555
 FDE-4.7313 FRA .3734 FC-15.5201 BSP 2711 SGB 923.6 R23 -.4969 R13 -.7691 LSA 2464.9 MSA 161.8 SSA 7.4
 BDE .2919 BRA .2991 BC3 .7286 FSP -3543 SG1 887.9 SG2 254.4 THA 14.98 EL1 567.6 EL2 14.8 ALF 8.92

LAUNCH DATE JUN 5 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 368.561

RL 151.78 LAL -.00 LOL 253.67 VL 26.919 GAL -.35 AZL 93.89 MCA 162.04 SMA 129.59 ECC .17134 INC 3.8865 V1 29.353
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.856 GAP -2.36 AZP 86.30 TAL 181.71 TAP 343.75 RCA 107.39 APO 151.80 V2 35.082
 RC 78.958 GL -35.82 GP 6.45 ZAL 97.47 ZAP 64.34 ETS 356.58 ZAE 164.00 ETE 45.21 ZAC 92.12 ETC 14.27 CLP -64.16

PLANETOCENTRIC CONIC

C3 9.718 VHL 3.117 DLA -23.44 RAL 142.87 RAD 6567.4 VEL 11.450 PTH 1.99 VHP 3.066 DPA 12.35 RAP 176.23 ECC 1.1599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 48 1219.08 10.62 344.01 356.10 116.41 7 56 7 619.1 14.08 337.04
 90.00 12 26 20 5537.63 28.31 257.62 .59 90.62 13 58 37 4937.6 28.10 248.96
 100.00 8 38 43 1016.00 9.25 328.36 355.38 118.55 8 55 39 416.0 12.99 321.57
 100.00 14 6 6 5215.94 29.85 233.94 .57 88.34 15 33 2 4615.9 29.30 225.18
 110.00 9 9 54 918.20 6.12 319.04 353.47 123.70 9 25 12 318.2 10.50 312.70
 110.00 15 51 24 4886.51 33.50 208.58 .24 82.76 17 12 50 4286.5 32.14 199.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1984 TRA -.2886 TC3 .2078 BAU .0814 SGT 695.6 SGR 406.2 SG3 1211.2 ST 403.8 SR 164.7 SS 2524.7
 RDE .0890 RRA -.0252 RC3 .5908 FAU .18476 RRT .4835 RRF -.9438 RTF -.5350 CRT .9374 CRS .9970 CST .9124
 FDE-5.1818 FRA .3583 FC-16.4588 BSP 2042 SGB 805.6 R23 -.6812 R13 -.6594 LSA 2556.8 MSA 163.9 SSA 6.3
 BDE .2175 BRA .2897 BC3 .6263 FSP -3790 SG1 731.1 SG2 338.4 THA 20.30 EL1 432.8 EL2 53.5 ALF 21.26

LAUNCH DATE JUN 5 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 375.001

RL 151.78 LAL -.00 LOL 253.67 VL 26.933 GAL -.35 AZL 94.00 MCA 165.25 SMA 129.69 ECC .17050 INC 4.0013 V1 29.353
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.878 GAP -1.89 AZP 86.13 TAL 181.69 TAP 346.94 RCA 107.58 APO 151.80 V2 35.094
 RC 81.139 GL -36.74 GP 8.07 ZAL 97.36 ZAP 69.86 ETS 356.84 ZAE 165.25 ETE 59.86 ZAC 93.88 ETC 14.80 CLP -69.65

PLANETOCENTRIC CONIC

C3 9.870 VHL 3.142 DLA -24.30 RAL 142.50 RAD 6567.4 VEL 11.457 PTH 1.99 VHP 2.975 DPA 14.75 RAP 174.80 ECC 1.1624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 36 1175.69 11.92 341.48 356.35 115.88 8 7 12 575.7 15.30 334.44
 90.00 12 11 34 5587.15 28.22 261.24 .71 92.43 13 44 41 4987.2 28.26 252.58
 100.00 8 48 21 979.57 10.43 326.30 355.58 118.17 9 4 41 379.6 14.12 319.45
 100.00 13 53 30 5258.51 29.89 237.10 .75 90.00 15 21 8 4658.5 29.57 228.31
 110.00 9 16 20 891.79 7.11 317.65 353.58 123.52 9 31 12 291.8 11.47 311.26
 110.00 15 42 0 4919.05 33.75 211.09 .53 84.23 17 3 59 4319.1 32.58 202.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0961 TRA -.2812 TC3 -.1226 BAU .0931 SGT 594.3 SGR 513.1 SG3 1288.3 ST 243.3 SR 265.9 SS 2651.6
 RDE .1454 RRA -.0242 RC3 .6947 FAU .19508 RRT .1314 RRF -.9751 RTF -.1533 CRT .7557 CRS .9992 CST .7331
 FDE-5.6533 FRA .3374 FC-17.1108 BSP 1768 SGB 785.1 R23 -.8738 R13 -.4337 LSA 2670.8 MSA 165.3 SSA 5.2
 BDE .1743 BRA .2822 BC3 .7055 FSP -4088 SG1 607.0 SG2 498.0 THA 20.85 EL1 337.9 EL2 125.4 ALF 48.36

LAUNCH DATE JUN 5 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 381.421

RL 151.78 LAL -.00 LOL 253.67 VL 26.943 GAL -.33 AZL 94.18 MCA 168.47 SMA 129.75 ECC .16989 INC 4.1791 V1 29.353
 RP 107.94 LAP -.83 LOP 62.17 VP 37.896 GAP -1.44 AZP 85.90 TAL 181.60 TAP 350.08 RCA 107.71 APO 151.80 V2 35.107
 RC 83.336 GL -38.01 GP 10.51 ZAL 97.09 ZAP 75.54 ETS 357.23 ZAE 164.67 ETE 77.57 ZAC 95.55 ETC 15.58 CLP -75.29

PLANETOCENTRIC CONIC

C3 10.167 VHL 3.189 DLA -25.51 RAL 142.09 RAD 6567.4 VEL 11.470 PTH 1.99 VHP 2.917 DPA 17.96 RAP 173.55 ECC 1.1673
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 7 40 1107.02 13.92 337.44 357.05 114.91 8 26 7 507.0 17.17 330.26
 90.00 11 48 16 5667.65 27.85 267.10 1.07 95.34 13 22 44 5067.7 28.30 258.46
 100.00 9 4 11 924.51 12.18 323.15 356.17 117.51 9 19 36 324.5 15.77 316.20
 100.00 13 34 25 5325.40 29.79 242.07 1.22 92.62 15 3 11 4725.4 29.83 233.27
 110.00 9 26 38 854.07 8.52 315.64 353.99 123.23 9 40 52 254.1 12.84 309.20
 110.00 15 28 28 4968.61 34.02 214.93 1.18 86.49 16 51 16 4368.6 33.16 205.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0237 TRA -.2775 TC3 -.4686 BAU .1312 SGT 629.6 SGR 679.1 SG3 1346.5 ST 171.4 SR 412.4 SS 2782.7
 RDE .2292 RRA -.0224 RC3 .8438 FAU .20245 RRT -.3595 RRF -.9906 RTF .3516 CRT -.2189 CRS .9998 CST -.2355
 FDE-6.1403 FRA .2775 FC-17.2381 BSP 2156 SGB 926.0 R23 .4832 R13 -.8648 LSA 2813.4 MSA 166.7 SSA 4.1
 BDE .2304 BRA .2784 BC3 .9652 FSP -4272 SG1 765.4 SG2 521.2 THA 129.04 EL1 414.4 EL2 166.4 ALF 96.20

LAUNCH DATE JUN 5 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 387.821

RL 151.78 LAL -.00 LOL 253.67 VL 26.949 GAL -.30 AZL 94.49 MCA 171.69 SMA 129.79 ECC .16950 INC 4.4916 V1 29.353
 RP 107.91 LAP -.65 LOP 65.39 VP 37.912 GAP -.99 AZP 85.55 TAL 181.46 TAP 353.15 RCA 107.79 APO 151.79 V2 35.119
 RC 85.546 GL -40.00 GP 14.66 ZAL 96.63 ZAP 81.32 ETS 357.84 ZAE 161.10 ETE 93.01 ZAC 96.75 ETC 16.79 CLP -81.02

PLANETOCENTRIC CONIC

C3 10.781 VHL 3.283 DLA -27.45 RAL 141.47 RAD 6567.4 VEL 11.497 PTH 2.00 VHP 2.910 DPA 22.75 RAP 172.99 ECC 1.1774
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 54 0 955.50 18.06 328.24 358.83 112.19 9 9 56 355.5 20.91 320.72
 90.00 10 56 56 5842.88 26.11 279.62 1.45 101.38 12 34 19 5242.9 27.41 271.19
 100.00 9 35 39 820.91 15.36 317.10 357.57 115.97 9 49 20 220.9 18.72 309.92
 100.00 12 57 59 5452.70 29.02 251.45 2.00 97.49 14 28 51 4852.7 29.76 242.72
 110.00 9 45 4 791.34 10.85 312.27 354.98 122.62 9 58 16 191.3 15.07 305.71
 110.00 15 5 3 5055.03 34.18 221.68 2.42 90.47 16 29 18 4455.0 33.87 212.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1668 TRA -.2816 TC3 -.7966 BAU .1907
 RDE .3739 RRA -.0216 RC3 1.0564 FAU .20121
 FDE -6.6271 FRA .2220 FC-16.1573 BSP 3315
 BDE .4094 BRA .2825 BC3 1.3231 FSP -4296

SGT 815.5 SGR 953.2 SG3 1356.5
 RRT -.6808 RRF -.9972 RTF .6775
 SGB 1254.5 R23 .3235 R13 -.9432
 SG1 1153.2 SG2 493.7 THA 128.52

ST 335.5 SR 652.9 SS 2908.7
 CRT -.8587 CRS 1.0000 CST -.8628
 LSA 2995.2 MSA 169.0 SSA 3.0
 EL1 717.1 EL2 156.5 ALF 115.09

LAUNCH DATE JUN 5 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 394.201

RL 151.78 LAL -.00 LOL 253.67 VL 26.951 GAL -.25 AZL 95.20 MCA 174.92 SMA 129.81 ECC .16931 INC 5.1970 V1 29.353
 RP 107.87 LAP -.46 LOP 68.60 VP 37.925 GAP -.56 AZP 84.82 TAL 181.25 TAP 356.16 RCA 107.83 APO 151.79 V2 35.131
 RC 87.767 GL -43.91 GP 23.39 ZAL 95.85 ZAP 87.03 ETS 359.02 ZAE 152.19 ETE 101.47 ZAC 96.39 ETC 18.83 CLP -86.77

PLANETOCENTRIC CONIC

C3 12.401 VHL 3.522 DLA -31.17 RAL 140.03 RAD 6567.5 VEL 11.567 PTH 2.02 VHP 3.027 DPA 31.65 RAP 174.74 ECC 1.2041
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.40 8 1 52 1130.86 24.22 343.70 1.96 110.24 8 20 43 530.9 26.75 335.71
 103.60 11 37 36 5725.86 24.23 270.43 1.97 110.23 13 13 2 5125.9 26.76 262.44
 76.40 8 1 52 1130.86 24.22 343.70 1.96 110.24 8 20 43 530.9 26.75 335.71
 103.60 11 37 36 5725.86 24.23 270.43 1.97 110.23 13 13 2 5125.9 26.76 262.44
 110.00 10 31 24 644.79 16.08 304.14 357.85 120.58 10 42 8 44.8 20.02 297.23
 110.00 14 7 15 5259.93 32.93 237.51 4.62 99.74 15 34 55 4659.9 33.92 228.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.3563 TRA -.3036 TC3 -.9981 BAU .2812
 RDE .7086 RRA -.0085 RC3 1.3717 FAU .18309
 FDE -7.0664 FRA .0221 FC-12.7818 BSP 5355
 BDE .7932 BRA .3037 BC3 1.6964 FSP -3973

SGT 1078.6 SGR 1504.3 SG3 1261.6
 RRT -.8247 RRF -.9994 RTF .8234
 SGB 1851.0 R23 .1924 R13 -.9807
 SG1 1777.6 SG2 516.3 THA 123.83

ST 605.3 SR 1153.4 SS 3007.6
 CRT -.9569 CRS 1.0000 CST -.9578
 LSA 3273.1 MSA 171.5 SSA 1.9
 EL1 1293.1 EL2 156.8 ALF 117.10

LAUNCH DATE JUN 5 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 400.557

RL 151.78 LAL -.00 LOL 253.67 VL 26.951 GAL -.20 AZL 98.34 MCA 178.14 SMA 129.81 ECC .16932 INC 8.3359 V1 29.353
 RP 107.83 LAP -.27 LOP 71.82 VP 37.936 GAP -.13 AZP 81.66 TAL 180.97 TAP 359.11 RCA 107.83 APO 151.79 V2 35.143
 RC 89.996 GL -55.31 GP 50.98 ZAL 94.01 ZAP 91.62 ETS 2.72 ZAE 124.69 ETE 102.35 ZAC 88.79 ETC 22.09 CLP -92.57

PLANETOCENTRIC CONIC

C3 22.615 VHL 4.755 DLA -41.64 RAL 134.34 RAD 6567.9 VEL 12.000 PTH 2.14 VHP 4.217 DPA 56.08 RAP 193.34 ECC 1.3722
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.09 5 56 45 1575.06 26.99 20.64 9.39 123.01 6 23 0 975.1 31.13 13.22
 121.91 12 57 20 5556.85 27.00 258.58 9.40 123.00 14 29 57 4956.8 31.14 251.16
 58.09 5 56 45 1575.06 26.99 20.64 9.39 123.01 6 23 0 975.1 31.13 13.22
 121.91 12 57 20 5556.85 27.00 258.58 9.40 123.00 14 29 57 4956.8 31.14 251.16
 58.09 5 56 45 1575.06 26.99 20.64 9.39 123.01 6 23 0 975.1 31.13 13.22
 121.91 12 57 20 5556.85 27.00 258.58 9.40 123.00 14 29 57 4956.8 31.14 251.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7499 TRA -.4334 TC3 -.6362 BAU .4232
 RDE 2.1911 RRA .1346 RC3 1.2466 FAU .08521
 FDE -5.8854 FRA -.3830 FC3-3.2620 BSP 8857
 BDE 2.3159 BRA .4538 BC3 1.3996 FSP -1909

SGT 1292.6 SGR 2902.1 SG3 670.9
 RRT -.8675 RRF -.9999 RTF .8684
 SGB 3176.9 R23 .0753 R13 -.9971
 SG1 3120.1 SG2 597.9 THA 111.98

ST 927.7 SR 2641.0 SS 2584.5
 CRT -.9794 CRS 1.0000 CST -.9797
 LSA 3805.5 MSA 181.3 SSA .9
 EL1 2793.5 EL2 177.1 ALF 109.06

LAUNCH DATE JUN 5 1967

FLIGHT TIME 148.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 406.923

RL 151.78 LAL -.00 LOL 253.67 VL 26.948 GAL -.13 AZL 86.70 MCA 181.38 SMA 129.79 ECC .16950 INC 3.2545 V1 29.353
 RP 107.80 LAP -.08 LOP 75.05 VP 37.944 GAP .29 AZP 93.30 TAL 180.65 TAP 2.03 RCA 107.79 APO 151.79 V2 35.154
 RC 92.232 GL 32.16 GP -59.90 ZAL 95.95 ZAP 94.40 ETS 353.45 ZAE 122.50 ETE 253.97 ZAC 111.85 ETC 351.66 CLP -98.81

PLANETOCENTRIC CONIC

C3 8.487 VHL 2.913 DLA 38.45 RAL 172.94 RAD 6567.3 VEL 11.396 PTH 1.97 VHP 5.110 DPA -42.87 RAP 133.88 ECC 1.1397
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.82 20 50 32 3943.82 -31.69 169.22 31.92 66.98 21 56 16 3343.8 -34.51 160.69
 117.18 3 11 27 2760.57 -31.68 79.65 31.92 66.96 3 57 28 2160.6 -34.50 71.13
 62.82 20 50 32 3943.82 -31.69 169.22 31.92 66.98 21 56 16 3343.8 -34.51 160.69
 117.18 3 11 27 2760.57 -31.68 79.65 31.92 66.96 3 57 28 2160.6 -34.50 71.13
 62.82 20 50 32 3943.82 -31.69 169.22 31.92 66.98 21 56 16 3343.8 -34.51 160.69
 117.18 3 11 27 2760.57 -31.68 79.65 31.92 66.96 3 57 28 2160.6 -34.50 71.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6259 TRA .3518 TC3-1.9979 BAU .4395
 RDE .7352 RRA .9425 RC3-3.3189 FAU .05552
 FDE 1.2376 FRA 1.5936 FC3-5.6632 BSP 5820
 BDE .9655 BRA 1.0061 BC3 3.8738 FSP -787

SGT 1910.7 SGR 3381.3 SG3 495.1
 RRT .9476 RRF 1.0000 RTF .9475
 SGB 3883.8 R23 .0767 R13 .9970
 SG1 3846.6 SG2 536.5 THA 61.22

ST 1259.6 SR 1611.9 SS 1199.2
 CRT .9703 CRS-1.0000 CST -.9699
 LSA 2356.9 MSA 260.5 SSA .6
 EL1 2031.4 EL2 241.9 ALF 52.20

LAUNCH DATE JUN 5 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 413.232

RL 151.78 LAL -.00 LOL 253.67 VL 26.942 GAL -.05 AZL 91.39 MCA 184.60 SMA 129.75 ECC .16986 INC 1.3842 V1 29.353
 RP 107.77 LAP .11 LOP 78.27 VP 37.950 GAP .71 AZP 88.61 TAL 180.27 TAP 4.87 RCA 107.71 APO 151.79 V2 35.165
 RC 94.474 GL -15.06 GP -25.08 ZAL 96.04 ZAP 102.12 ETS 354.96 ZAE 152.35 ETE 230.07 ZAC 114.33 ETC 5.67 CLP-103.40

PLANETOCENTRIC CONIC

C3 6.346 VHL 2.519 DLA -5.21 RAL 153.55 RAD 6567.2 VEL 11.302 PTH 1.94 VHP 3.132 DPA -10.65 RAP 149.05 ECC 1.1044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 31 1815.91 -8.33 17.63 359.06 117.16 5 53 47 1215.9 -4.62 10.91
 90.00 16 3 47 4784.28 17.70 205.78 .12 67.53 17 23 31 4184.3 14.50 198.57
 100.00 6 42 24 1561.43 -9.01 358.55 358.69 118.62 7 8 25 961.4 -5.12 351.93
 100.00 17 27 35 4513.99 18.41 185.58 359.80 66.02 18 42 49 3914.0 15.01 178.44
 110.00 7 45 1 1365.41 -10.82 342.59 357.60 122.63 8 7 46 765.4 -6.44 336.24
 110.00 18 41 28 4282.78 20.29 167.05 358.82 61.88 19 52 51 3682.8 16.38 160.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2658 TRA -.0373 TC3-4.0187 BAU .4225 SGT 2114.7 SGR 1638.2 SG3 1219.9 ST 608.1 SR 601.6 SS 1459.5
 RDE -.2591 RRA .1635 RC3-2.9419 FAU .18492 RRT .9599 RRF .9998 RTF .9603 CRT .9735 CRS -.9999 CST -.9763
 FDE-2.3298 FRA 1.3649 FC-25.2280 BSP 8065 SGB 2675.0 R23 .1756 R13 .9843 LSA 1687.2 MSA 124.3 SSA 2.8
 BDE .3712 BRA .1677 BC3 4.9804 FSP -3978 SG1 2649.8 SG2 366.5 THA 37.48 EL1 849.7 EL2 98.4 ALF 44.68

LAUNCH DATE JUN 5 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 419.537

RL 151.78 LAL -.00 LOL 253.67 VL 26.933 GAL .04 AZL 92.22 MCA 187.83 SMA 129.69 ECC .17037 INC 2.2202 V1 29.353
 RP 107.73 LAP .30 LOP 81.50 VP 37.953 GAP 1.11 AZP 87.80 TAL 179.82 TAP 7.65 RCA 107.59 APO 151.79 V2 35.175
 RC 96.719 GL -23.08 GP -15.03 ZAL 94.78 ZAP 107.72 ETS 355.87 ZAE 155.84 ETE 208.52 ZAC 114.73 ETC 9.79 CLP-108.37

PLANETOCENTRIC CONIC

C3 7.087 VHL 2.662 DLA -13.03 RAL 151.45 RAD 6567.2 VEL 11.335 PTH 1.95 VHP 3.015 DPA -.66 RAP 151.04 ECC 1.1166
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 43 1580.40 -.83 4.39 358.42 118.31 6 44 3 980.4 2.96 357.76
 90.00 14 52 50 5058.08 23.86 223.48 1.17 74.28 16 17 8 4458.1 21.47 215.62
 100.00 7 32 17 1339.78 -1.61 346.27 357.98 119.85 7 54 37 739.8 2.38 339.74
 100.00 16 20 57 4773.93 24.71 202.30 .89 72.62 17 40 31 4173.9 22.10 194.48
 110.00 8 25 18 1173.73 -3.63 332.41 356.72 124.01 8 44 52 573.7 .86 326.20
 110.00 17 44 25 4512.75 26.95 181.58 .00 68.13 18 59 38 3912.7 23.74 173.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4938 TRA -.0531 TC3-4.1082 BAU .4159 SGT 2434.7 SGR 964.6 SG3 1270.0 ST 1065.4 SR 455.8 SS 1969.0
 RDE -.2091 RRA .1015 RC3-1.5460 FAU .18822 RRT .9592 RRF .9987 RTF .9603 CRT .9836 CRS -.9997 CST -.9872
 FDE-3.4803 FRA 1.4370 FC-22.9931 BSP 7643 SGB 2618.8 R23 .2383 R13 .9699 LSA 2279.6 MSA 151.7 SSA 3.3
 BDE .5362 BRA .1146 BC3 4.3895 FSP -3935 SG1 2606.3 SG2 254.9 THA 21.02 EL1 1156.3 EL2 75.7 ALF 22.92

LAUNCH DATE JUN 5 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 425.821

RL 151.78 LAL -.00 LOL 253.67 VL 26.922 GAL .14 AZL 92.57 MCA 191.07 SMA 129.62 ECC .17105 INC 2.5669 V1 29.353
 RP 107.70 LAP .49 LOP 84.72 VP 37.955 GAP 1.51 AZP 87.48 TAL 179.32 TAP 10.38 RCA 107.45 APO 151.79 V2 35.185
 RC 98.967 GL -26.10 GP -10.51 ZAL 93.62 ZAP 112.68 ETS 356.42 ZAE 154.31 ETE 196.58 ZAC 115.38 ETC 11.74 CLP-113.09

PLANETOCENTRIC CONIC

C3 7.519 VHL 2.742 DLA -16.22 RAL 151.26 RAD 6567.2 VEL 11.354 PTH 1.96 VHP 3.043 DPA 4.08 RAP 151.21 ECC 1.1237
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 49 1478.07 2.47 358.68 359.33 118.22 7 10 27 878.1 6.23 352.01
 90.00 14 23 15 5181.60 25.87 231.96 2.75 78.07 15 49 36 4581.6 23.97 223.81
 100.00 7 58 5 1244.87 1.61 341.06 358.85 119.85 8 18 50 644.9 5.57 334.51
 100.00 15 53 39 4890.03 26.83 210.27 2.51 76.31 17 15 10 4290.0 24.68 202.13
 110.00 8 46 14 1094.04 -.58 328.25 357.47 124.18 9 4 28 494.0 3.90 322.04
 110.00 17 22 0 4613.62 29.32 188.47 1.70 71.59 18 38 54 4013.6 26.53 180.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6556 TRA -.0437 TC3-4.3751 BAU .4527 SGT 2764.6 SGR 688.5 SG3 1266.9 ST 1372.1 SR 329.5 SS 2169.0
 RDE -.1557 RRA .0747 RC3-1.0659 FAU .18659 RRT .9630 RRF .9948 RTF .9671 CRT .9857 CRS -.9992 CST -.9914
 FDE-3.9205 FRA 1.3858 FC-21.4834 BSP 8425 SGB 2849.0 R23 .2206 R13 .9706 LSA 2583.1 MSA 153.7 SSA 4.3
 BDE .6739 BRA .0866 BC3 4.5031 FSP -3968 SG1 2843.3 SG2 180.5 THA 13.54 EL1 1410.1 EL2 54.1 ALF 13.34

LAUNCH DATE JUN 5 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 432.086

RL 151.78 LAL -.00 LOL 253.67 VL 26.910 GAL .26 AZL 92.76 MCA 194.30 SMA 129.53 ECC .17188 INC 2.7590 V1 29.353
 RP 107.67 LAP .68 LOP 87.95 VP 37.954 GAP 1.91 AZP 87.33 TAL 178.76 TAP 13.07 RCA 107.26 APO 151.79 V2 35.195
 RC 101.218 GL -27.61 GP -7.96 ZAL 92.44 ZAP 117.22 ETS 356.81 ZAE 151.76 ETE 190.35 ZAC 116.02 ETC 12.93 CLP-117.51

PLANETOCENTRIC CONIC

C3 7.812 VHL 2.795 DLA -18.06 RAL 151.74 RAD 6567.3 VEL 11.367 PTH 1.96 VHP 3.115 DPA 6.88 RAP 150.96 ECC 1.1286
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 57 1415.37 4.49 355.17 .60 117.99 7 29 33 815.4 8.20 348.46
 90.00 14 6 55 5258.18 26.84 237.36 4.38 80.61 15 34 33 4658.2 25.26 229.05
 100.00 8 16 36 1187.42 3.56 337.90 .09 119.70 8 36 23 587.4 7.48 331.31
 100.00 15 38 57 4961.37 27.88 215.31 4.16 78.76 17 1 39 4361.4 26.05 206.99
 110.00 9 1 27 1046.89 1.22 325.79 358.63 124.16 9 18 54 446.9 5.69 319.56
 110.00 17 10 35 4674.66 30.56 192.79 3.42 73.87 18 28 30 4074.7 28.04 184.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7963 TRA -.0232 TC3-4.6704 BAU .4952 SGT 3079.4 SGR 532.8 SG3 1224.8 ST 1634.3 SR 238.7 SS 2256.5
 RDE -.1145 RRA .0632 RC3 -.8203 FAU .17902 RRT .9589 RRF .9849 RTF .9714 CRT .9835 CRS -.9976 CST -.9935
 FDE-4.0637 FRA 1.3565 FC-19.8407 BSP 9407 SGB 3125.1 R23 .1804 R13 .9729 LSA 2792.2 MSA 153.3 SSA 5.4
 BDE .8045 BRA .0673 BC3 4.7419 FSP -3895 SG1 3121.6 SG2 149.1 THA 9.44 EL1 1651.1 EL2 42.7 ALF 8.18

LAUNCH DATE JUN 5 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 438.333

RL 151.78 LAL -.00 LOL 253.67 VL 26.895 GAL .38 AZL 92.88 HCA 197.54 SMA 129.43 ECC .17286 INC 2.8812 V1 29.353
 RP 107.65 LAP .87 LOP 91.19 VP 37.952 GAP 2.30 AZP 87.25 TAL 178.16 TAP 15.70 RCA 107.05 APO 151.80 V2 35.204
 RC 103.470 GL -28.48 GP -6.32 ZAL 91.19 ZAP 121.41 ETS 357.10 ZAE 149.10 ETE 186.92 ZAC 116.53 ETC 13.75 CLP-121.63

PLANETOCENTRIC CONIC

C3 8.040 VHL 2.835 DLA -19.34 RAL 152.57 RAD 6567.3 VEL 11.377 PTH 1.96 VHP 3.210 DPA 8.71 RAP 150.68 ECC 1.1323
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 22 53 1369.58 5.94 352.60 2.08 117.74 7 45 42 769.6 9.61 345.84
 90.00 13 56 36 5314.56 27.40 241.39 6.06 82.55 15 25 11 4714.6 26.08 232.97
 100.00 8 32 11 1145.91 4.95 335.61 1.53 119.52 8 51 17 545.9 8.85 328.99
 100.00 15 29 59 5013.47 28.52 219.06 5.87 80.63 16 53 32 4413.5 26.93 210.61
 110.00 9 14 27 1013.49 2.50 324.04 .01 124.10 9 31 20 413.5 6.95 317.80
 110.00 17 4 13 4718.65 31.34 195.98 5.19 75.60 18 22 51 4118.7 29.05 187.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9214 TRA .0109 TC3-4.9448 BAU .5364
 RDE -.0818 RRA .0593 RC3 -.6766 FAU .16866
 FDE -4.0393 FRA 1.3787 FC-18.1623 BSP 10299
 BDE .9250 BRA .0603 BC3 4.9909 FSP -3707

SGT 3366.0 SGR 436.6 SG3 1163.7
 RRT .9434 RRF .9650 RTF .9737
 SGB 3394.2 R23 .1349 R13 .9744
 SG1 3391.2 SG2 143.7 THA 6.99

ST 1863.7 SR 170.0 SS 2278.7
 CRT .9751 CRS -.9926 CST -.9945
 LSA 2944.7 MSA 153.0 SSA 6.5
 EL1 1871.1 EL2 37.5 ALF 5.08

LAUNCH DATE JUN 5 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 444.560

RL 151.78 LAL -.00 LOL 253.67 VL 26.878 GAL .52 AZL 92.97 HCA 200.78 SMA 129.32 ECC .17399 INC 2.9662 V1 29.353
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.948 GAP 2.68 AZP 87.23 TAL 177.51 TAP 18.29 RCA 106.82 APO 151.82 V2 35.212
 RC 105.723 GL -28.98 GP -5.19 ZAL 89.87 ZAP 125.28 ETS 357.33 ZAE 146.58 ETE 184.91 ZAC 116.84 ETC 14.35 CLP-125.45

PLANETOCENTRIC CONIC

C3 8.239 VHL 2.870 DLA -20.34 RAL 153.63 RAD 6567.3 VEL 11.385 PTH 1.97 VHP 3.320 DPA 9.97 RAP 150.50 ECC 1.1356
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 38 24 1332.45 7.11 350.50 3.71 117.48 8 0 36 732.4 10.74 343.69
 90.00 13 49 36 5360.80 27.76 244.73 7.83 84.19 15 18 57 4760.8 26.67 236.23
 100.00 8 46 31 1112.62 6.06 333.77 3.14 119.33 9 5 4 512.6 9.93 327.11
 100.00 15 24 10 5055.87 28.95 222.13 7.67 82.20 16 48 26 4455.9 27.57 213.60
 110.00 9 26 32 987.20 3.50 322.67 1.55 124.03 9 42 59 387.2 7.94 316.40
 110.00 17 0 38 4754.05 31.91 198.58 7.04 77.05 18 19 52 4154.0 29.80 190.01

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.0378 TRA .0523 TC3-5.1876 BAU .5750
 RDE -.0556 RRA .0582 RC3 -.5867 FAU .15732
 FDE -3.9430 FRA 1.3981 FC-16.5308 BSP 11147
 BDE 1.0393 BRA .0782 BC3 5.2207 FSP -3501

SGT 3629.4 SGR 375.6 SG3 1095.8
 RRT .9145 RRF .9317 RTF .9753
 SGB 3648.8 R23 .0942 R13 .9757
 SG1 3645.6 SG2 151.3 THA 5.42

ST 2073.7 SR 117.5 SS 2273.9
 CRT .9526 CRS -.9769 CST -.9953
 LSA 3076.0 MSA 151.4 SSA 7.7
 EL1 2076.8 EL2 35.7 ALF 3.09

LAUNCH DATE JUN 5 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 450.769

RL 151.78 LAL -.00 LOL 253.67 VL 26.860 GAL .68 AZL 93.03 HCA 204.02 SMA 129.19 ECC .17527 INC 3.0292 V1 29.353
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.942 GAP 3.07 AZP 87.23 TAL 176.81 TAP 20.83 RCA 106.55 APO 151.83 V2 35.220
 RC 107.975 GL -29.27 GP -4.36 ZAL 88.46 ZAP 128.86 ETS 357.51 ZAE 144.27 ETE 183.67 ZAC 116.93 ETC 14.78 CLP-128.99

PLANETOCENTRIC CONIC

C3 8.428 VHL 2.903 DLA -21.18 RAL 154.88 RAD 6567.3 VEL 11.394 PTH 1.97 VHP 3.442 DPA 10.86 RAP 150.49 ECC 1.1387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 22 1300.21 8.12 348.66 5.50 117.22 8 15 2 700.2 11.71 341.82
 90.00 13 44 36 5401.57 28.01 247.69 9.71 85.65 15 14 38 4801.6 27.11 239.13
 100.00 9 0 21 1084.04 7.01 332.18 4.90 119.13 9 18 25 484.0 10.85 325.48
 100.00 15 20 18 5092.98 29.26 224.85 9.57 83.59 16 45 11 4493.0 28.06 216.25
 110.00 9 38 18 965.07 4.34 321.51 3.25 123.94 9 54 23 365.1 8.77 315.22
 110.00 16 58 50 4784.71 32.36 200.86 9.00 78.33 18 18 35 4184.7 30.41 192.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.1454 TRA .1037 TC3-5.3962 BAU .6109
 RDE -.0335 RRA .0592 RC3 -.5278 FAU .14585
 FDE -3.7929 FRA 1.4341 FC-14.9808 BSP 11913
 BDE 1.1459 BRA .1194 BC3 5.4220 FSP -3276

SGT 3869.8 SGR 337.6 SG3 1025.6
 RRT .8703 RRF .8835 RTF .9762
 SGB 3884.5 R23 .0657 R13 .9764
 SG1 3881.0 SG2 165.8 THA 4.35

ST 2263.5 SR 76.6 SS 2244.1
 CRT .8811 CRS -.9195 CST -.9958
 LSA 3184.7 MSA 150.2 SSA 8.8
 EL1 2264.5 EL2 36.2 ALF 1.71

LAUNCH DATE JUN 5 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 456.958

RL 151.78 LAL -.00 LOL 253.67 VL 26.840 GAL .84 AZL 93.08 HCA 207.26 SMA 129.06 ECC .17669 INC 3.0780 V1 29.353
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.935 GAP 3.45 AZP 87.26 TAL 176.07 TAP 23.33 RCA 106.26 APO 151.86 V2 35.227
 RC 110.226 GL -29.40 GP -3.73 ZAL 86.97 ZAP 132.16 ETS 357.65 ZAE 142.17 ETE 182.88 ZAC 116.82 ETC 15.10 CLP-132.27

PLANETOCENTRIC CONIC

C3 8.620 VHL 2.936 DLA -21.91 RAL 156.29 RAD 6567.3 VEL 11.402 PTH 1.97 VHP 3.574 DPA 11.46 RAP 150.67 ECC 1.1419
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 8 13 1270.99 9.03 346.99 7.43 116.95 8 29 24 671.0 12.57 340.11
 90.00 13 40 57 5439.31 28.17 250.43 11.70 87.02 15 11 36 4839.3 27.46 241.84
 100.00 9 14 4 1058.47 7.86 330.75 6.80 118.93 9 31 42 458.5 11.66 324.02
 100.00 15 17 47 5127.06 29.49 227.36 11.59 84.89 16 43 14 4527.1 28.47 218.70
 110.00 9 50 2 945.70 5.08 320.49 5.09 123.85 10 5 48 345.7 9.49 314.18
 110.00 16 58 18 4812.60 32.72 202.96 11.07 79.52 18 18 31 4212.6 30.93 194.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.2490 TRA .1598 TC3-5.5753 BAU .6450
 RDE -.0146 RRA .0611 RC3 -.4882 FAU .13497
 FDE -3.6307 FRA 1.4572 FC-13.5547 BSP 12651
 BDE 1.2491 BRA .1711 BC3 5.5966 FSP -3066

SGT 4095.3 SGR 315.5 SG3 958.0
 RRT .8135 RRF .8226 RTF .9768
 SGB 4107.4 R23 .0452 R13 .9770
 SG1 4103.4 SG2 183.1 THA 3.59

ST 2441.4 SR 48.7 SS 2207.5
 CRT .6230 CRS -.6867 CST -.9961
 LSA 3288.4 MSA 148.2 SSA 9.9
 EL1 2441.6 EL2 38.1 ALF .71

LAUNCH DATE JUN 5 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 463.127

RL 151.78 LAL - .00 LOL 253.67 VL 26.819 GAL 1.02 AZL 93.12 HCA 210.50 SMA 128.92 ECC .17826 INC 3.1172 V1 29.353
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.926 GAP 3.82 AZP 87.31 TAL 175.29 TAP 25.79 RCA 105.94 APO 151.90 V2 35.233
 RC 112.475 GL -29.40 GP -3.24 ZAL 85.40 ZAP 135.22 ETS 357.75 ZAE 140.27 ETE 182.37 ZAC 116.50 ETC 15.31 CLP-135.31

PLANETOCENTRIC CONIC

C3 8.823 VHL 2.970 DLA -22.58 RAL 157.83 RAD 6567.3 VEL 11.411 PTH 1.98 VHP 3.714 DPA 11.86 RAP 151.03 ECC 1.1452
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 23 12 1243.74 9.87 345.43 9.51 116.68 8 43 55 643.7 13.37 -138.50
 90.00 13 38 15 5475.41 28.27 253.07 13.81 88.34 15 9 30 4875.4 27.74 244.44
 100.00 9 27 53 1034.97 8.63 329.43 8.85 118.73 9 45 8 435.0 12.40 322.67
 100.00 15 16 15 5159.41 29.67 229.75 13.73 86.14 16 42 14 4559.4 28.81 221.04
 110.00 10 1 54 928.32 5.73 319.58 7.08 123.76 10 17 22 328.3 10.13 313.24
 110.00 16 58 43 4838.82 33.03 204.94 13.27 80.65 18 19 22 4238.8 31.39 196.10

DIFFERENTIAL CORRECTIONS

TDE-1.3497 TRA .2244 TC3-5.7216 BAU .6771
 RDE .0021 RRA .0640 RC3 -.4603 FAU .12481
 FDE-3.4693 FRA 1.4838 FC-12.2469 BSP 13345
 BDE 1.3497 BRA .2333 BC3 5.7401 FSP -2870

MID-COURSE EXECUTION ACCURACY

SGT 4307.1 SGR 304.4 SG3 895.1
 RRT .7486 RRF .7536 RTF .9772
 SGB 4317.9 R23 .0308 R13 .9773
 SG1 4313.2 SG2 201.5 THA 3.04

ORBIT DETERMINATION ACCURACY

ST 2609.2 SR 41.1 SS 2169.3
 CRT -.0388 CRS -.0422 CST -.9964
 LSA 3390.3 MSA 146.1 SSA 11.2
 EL1 2609.2 EL2 41.1 ALF 179.96

LAUNCH DATE JUN 5 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 469.277

RL 151.78 LAL - .00 LOL 253.67 VL 26.796 GAL 1.21 AZL 93.15 HCA 213.75 SMA 128.77 ECC .17998 INC 3.1495 V1 29.353
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.915 GAP 4.20 AZP 87.38 TAL 174.46 TAP 28.21 RCA 105.59 APO 151.94 V2 35.239
 RC 114.720 GL -29.31 GP -2.84 ZAL 83.75 ZAP 138.05 ETS 357.83 ZAE 138.57 ETE 182.02 ZAC 115.99 ETC 15.45 CLP-138.13

PLANETOCENTRIC CONIC

C3 9.043 VHL 3.007 DLA -23.19 RAL 159.49 RAD 6567.3 VEL 11.421 PTH 1.98 VHP 3.862 DPA 12.09 RAP 151.57 ECC 1.1488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 26 1217.89 10.65 343.94 11.73 116.39 8 58 44 617.9 14.11 336.97
 90.00 13 36 15 5510.73 28.31 255.65 16.04 89.63 15 8 6 4910.7 27.96 247.00
 100.00 9 41 53 1013.05 9.35 328.20 11.04 118.52 9 58 46 413.0 13.08 321.40
 100.00 15 15 28 5190.80 29.79 232.07 15.99 87.36 16 41 59 4590.8 29.10 223.33
 110.00 10 13 56 912.57 6.33 318.75 9.20 123.66 10 29 9 312.6 10.71 312.39
 110.00 16 59 55 4864.04 33.29 206.86 15.60 81.76 18 20 59 4264.0 31.80 197.95

DIFFERENTIAL CORRECTIONS

TDE-1.4447 TRA .2969 TC3-5.8250 BAU .7062
 RDE .0176 RRA .0674 RC3 -.4387 FAU .11497
 FDE-3.2971 FRA 1.5090 FC-11.0067 BSP 13967
 BDE 1.4448 BRA .3044 BC3 5.8415 FSP -2676

MID-COURSE EXECUTION ACCURACY

SGT 4497.7 SGR 300.4 SG3 833.5
 RRT .6792 RRF .6805 RTF .9774
 SGB 4507.7 R23 .0206 R13 .9774
 SG1 4502.3 SG2 220.3 THA 2.60

ORBIT DETERMINATION ACCURACY

ST 2760.8 SR 54.3 SS 2120.3
 CRT -.5599 CRS .4932 CST -.9967
 LSA 3478.4 MSA 144.1 SSA 12.1
 EL1 2760.9 EL2 45.0 ALF 179.37

LAUNCH DATE JUN 5 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 475.407

RL 151.78 LAL - .00 LOL 253.67 VL 26.773 GAL 1.42 AZL 93.18 HCA 216.99 SMA 128.61 ECC .18185 INC 3.1767 V1 29.353
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.903 GAP 4.58 AZP 87.46 TAL 173.61 TAP 30.60 RCA 105.22 APO 151.99 V2 35.244
 RC 116.961 GL -29.13 GP -2.52 ZAL 82.03 ZAP 140.68 ETS 357.88 ZAE 137.05 ETE 181.79 ZAC 115.31 ETC 15.51 CLP-140.75

PLANETOCENTRIC CONIC

C3 9.286 VHL 3.047 DLA -23.76 RAL 161.25 RAD 6567.3 VEL 11.431 PTH 1.98 VHP 4.016 DPA 12.19 RAP 152.28 ECC 1.1528
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 59 1193.12 11.40 342.50 14.08 116.10 9 13 52 593.1 14.82 335.49
 90.00 13 34 48 5545.77 28.30 258.22 18.38 90.92 15 7 14 4945.8 28.13 249.55
 100.00 9 56 8 992.48 10.01 327.03 13.36 118.31 10 12 41 392.5 13.72 320.20
 100.00 15 15 20 5221.65 29.86 234.36 18.37 88.56 16 42 22 4621.6 29.34 225.60
 110.00 10 26 10 898.28 6.87 317.99 11.45 123.57 10 41 9 298.3 11.23 311.62
 110.00 17 1 47 4888.60 33.52 208.74 18.05 82.86 18 23 16 4288.6 32.17 199.77

DIFFERENTIAL CORRECTIONS

TDE-1.5384 TRA .3756 TC3-5.9018 BAU .7346
 RDE .0321 RRA .0712 RC3 -.4217 FAU .10615
 FDE-3.1347 FRA 1.5281 FC3-9.8961 BSP 14591
 BDE 1.5387 BRA .3823 BC3 5.9169 FSP -2508

MID-COURSE EXECUTION ACCURACY

SGT 4679.8 SGR 301.8 SG3 777.4
 RRT .6107 RRF .6087 RTF .9776
 SGB 4689.5 R23 .0128 R13 .9776
 SG1 4683.4 SG2 238.8 THA 2.26

ORBIT DETERMINATION ACCURACY

ST 2903.7 SR 75.1 SS 2071.7
 CRT -.7514 CRS .6992 CST -.9969
 LSA 3565.0 MSA 141.8 SSA 13.1
 EL1 2904.3 EL2 49.5 ALF 178.89

LAUNCH DATE JUN 5 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 481.516

RL 151.78 LAL - .00 LOL 253.67 VL 26.748 GAL 1.63 AZL 93.20 HCA 220.24 SMA 128.44 ECC .18389 INC 3.2002 V1 29.353
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.890 GAP 4.95 AZP 87.56 TAL 172.71 TAP 32.95 RCA 104.82 APO 152.06 V2 35.248
 RC 119.197 GL -28.87 GP -2.26 ZAL 80.25 ZAP 143.13 ETS 357.90 ZAE 135.68 ETE 181.63 ZAC 114.47 ETC 15.53 CLP-143.19

PLANETOCENTRIC CONIC

C3 9.558 VHL 3.092 DLA -24.30 RAL 163.12 RAD 6567.3 VEL 11.443 PTH 1.98 VHP 4.176 DPA 12.16 RAP 153.15 ECC 1.1573
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 53 1169.28 12.11 341.11 16.58 115.79 9 29 22 569.3 15.48 334.06
 90.00 13 33 48 5580.88 28.24 260.78 20.85 92.20 15 6 49 4980.9 28.25 252.12
 100.00 10 10 38 973.16 10.63 325.94 15.81 118.10 10 26 51 373.2 14.31 319.07
 100.00 15 15 44 5252.23 29.89 236.63 20.88 89.76 16 43 17 4652.2 29.54 227.85
 110.00 10 38 37 885.40 7.35 317.31 13.83 123.48 10 53 22 285.4 11.70 310.92
 110.00 17 4 15 4912.75 33.71 210.60 20.63 83.94 18 26 8 4312.8 32.50 201.58

DIFFERENTIAL CORRECTIONS

TDE-1.6287 TRA .4641 TC3-5.9371 BAU .7604
 RDE .0462 RRA .0754 RC3 -.4064 FAU .09774
 FDE-2.9750 FRA 1.5519 FC3-8.8534 BSP 15139
 BDE 1.6294 BRA .4702 BC3 5.9510 FSP -2340

MID-COURSE EXECUTION ACCURACY

SGT 4845.5 SGR 306.5 SG3 724.5
 RRT .5446 RRF .5397 RTF .9774
 SGB 4855.1 R23 .0071 R13 .9774
 SG1 4848.3 SG2 257.0 THA 1.98

ORBIT DETERMINATION ACCURACY

ST 3033.7 SR 97.4 SS 2019.2
 CRT -.8270 CRS .7831 CST -.9971
 LSA 3642.8 MSA 140.2 SSA 14.0
 EL1 3034.8 EL2 54.8 ALF 178.48

LAUNCH DATE JUN 5 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 487.605

RL 151.78 LAL -.00 LOL 253.67 VL 26.722 GAL 1.87 AZL 93.22 HCA 223.48 SMA 128.27 ECC .18608 INC 3.2207 V1 29.353
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.875 GAP 5.33 AZP 87.66 TAL 171.78 TAP 35.27 RCA 104.40 APO 152.14 V2 35.252
 RC 121.426 GL -28.54 GP -2.04 ZAL 78.40 ZAP 145.42 ETS 357.90 ZAE 134.46 ETE 181.53 ZAC 113.48 ETC 15.49 CLP-145.47

PLANETOCENTRIC CONIC

C3 9.863 VHL 3.141 DLA -24.80 RAL 165.08 RAD 6567.4 VEL 11.457 PTH 1.99 VHP 4.342 DPA 12.04 RAP 154.15 ECC 1.1623
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 26 7 1146.33 12.78 339.76 19.20 115.48 9 45 13 546.3 16.11 332.67
 90.00 13 33 11 5616.24 28.12 263.36 23.42 93.49 15 6 48 5016.2 28.31 254.70
 100.00 10 25 20 955.13 11.21 324.91 18.40 117.89 10 41 15 355.1 14.86 318.01
 100.00 15 16 39 5282.68 29.88 238.90 23.50 90.95 16 44 42 4682.7 29.69 230.10
 110.00 10 51 12 873.97 7.78 316.70 16.34 123.39 11 5 46 274.0 12.12 310.29
 110.00 17 7 16 4936.60 33.86 212.45 23.33 85.02 18 29 32 4336.6 32.80 203.37

DIFFERENTIAL CORRECTIONS

TDE-1.7145 TRA .5636 TC3-5.9280 BAU .7834
 RDE .0600 RRA .0798 RC3 -.3916 FAU .08978
 FDE-2.8186 FRA 1.5780 FC3-7.8806 BSP 15604
 BDE 1.7156 BRA .5692 BC3 5.9409 FSP -2181

MID-COURSE EXECUTION ACCURACY

SGT 4993.1 SGR 313.4 SG3 674.8
 RRT .4824 RRF .4751 RTF .9772
 SGB 5002.9 R23 .0026 R13 .9772
 SG1 4995.4 SG2 274.4 THA 1.74

ORBIT DETERMINATION ACCURACY

ST 3148.3 SR 119.9 SS 1962.4
 CRT -.8624 CRS .8234 CST -.9972
 LSA 3709.1 MSA 139.0 SSA 14.9
 EL1 3150.0 EL2 60.7 ALF 178.12

LAUNCH DATE JUN 5 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 493.672

RL 151.78 LAL -.00 LOL 253.67 VL 26.696 GAL 2.11 AZL 93.24 HCA 226.73 SMA 128.10 ECC .18845 INC 3.2389 V1 29.353
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.859 GAP 5.71 AZP 87.78 TAL 170.83 TAP 37.56 RCA 103.96 APO 152.24 V2 35.255
 RC 123.648 GL -28.15 GP -1.85 ZAL 76.51 ZAP 147.56 ETS 357.88 ZAE 133.36 ETE 181.45 ZAC 112.35 ETC 15.43 CLP-147.61

PLANETOCENTRIC CONIC

C3 10.208 VHL 3.195 DLA -25.26 RAL 167.11 RAD 6567.4 VEL 11.472 PTH 1.99 VHP 4.513 DPA 11.83 RAP 155.28 ECC 1.1680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 42 38 1124.35 13.42 338.47 21.96 115.17 10 1 22 524.4 16.71 331.33
 90.00 13 32 55 5651.92 27.94 265.96 26.09 94.78 15 7 7 5051.9 28.31 257.31
 100.00 10 40 11 938.51 11.74 323.95 21.10 117.69 10 55 50 338.5 15.35 317.03
 100.00 15 18 2 5313.00 29.82 241.15 26.22 92.13 16 46 35 4713.0 29.80 232.35
 110.00 11 3 54 864.11 8.15 316.17 18.95 123.31 11 18 18 264.1 12.48 309.75
 110.00 17 10 49 4960.17 33.99 214.28 26.15 86.10 18 33 29 4360.2 33.07 205.16

DIFFERENTIAL CORRECTIONS

TDE-1.8004 TRA .6694 TC3-5.8944 BAU .8061
 RDE .0738 RRA .0843 RC3 -.3771 FAU .08267
 FDE-2.6748 FRA 1.5981 FC3-7.0109 BSP 16087
 BDE 1.8019 BRA .6747 BC3 5.9065 FSP -2042

MID-COURSE EXECUTION ACCURACY

SGT 5135.5 SGR 321.7 SG3 629.7
 RRT .4249 RRF .4154 RTF .9770
 SGB 5145.5 R23 -.0012 R13 .9770
 SG1 5137.3 SG2 291.1 THA 1.53

ORBIT DETERMINATION ACCURACY

ST 3255.0 SR 141.7 SS 1907.4
 CRT -.8814 CRS .8457 CST -.9973
 LSA 3772.8 MSA 138.1 SSA 15.7
 EL1 3257.4 EL2 66.9 ALF 177.80

LAUNCH DATE JUN 5 1967

FLIGHT TIME 178.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 499.716

RL 151.78 LAL -.00 LOL 253.67 VL 26.669 GAL 2.38 AZL 93.26 HCA 229.98 SMA 127.92 ECC .19099 INC 3.2552 V1 29.353
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.842 GAP 6.09 AZP 87.91 TAL 169.84 TAP 39.82 RCA 103.49 APO 152.35 V2 35.257
 RC 125.861 GL -27.70 GP -1.69 ZAL 74.57 ZAP 149.57 ETS 357.84 ZAE 132.38 ETE 181.40 ZAC 111.11 ETC 15.33 CLP-149.62

PLANETOCENTRIC CONIC

C3 10.598 VHL 3.255 DLA -25.69 RAL 169.22 RAD 6567.4 VEL 11.489 PTH 2.00 VHP 4.690 DPA 11.54 RAP 156.53 ECC 1.1744
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 59 23 1103.46 14.03 337.23 24.83 114.85 10 17 46 503.5 17.26 330.05
 90.00 13 32 58 5687.94 27.71 268.57 28.87 96.07 15 7 46 5087.9 28.26 259.95
 100.00 10 55 7 923.48 12.21 323.09 23.91 117.50 11 10 30 323.5 15.80 316.14
 100.00 15 19 55 5343.16 29.73 243.39 29.06 93.31 16 48 58 4743.2 29.87 234.59
 110.00 11 16 39 855.93 8.46 315.74 21.68 123.24 11 30 54 255.9 12.77 309.30
 110.00 17 14 53 4983.46 34.08 216.09 29.08 87.17 18 37 56 4383.5 33.31 206.93

DIFFERENTIAL CORRECTIONS

TDE-1.8854 TRA .7832 TC3-5.8299 BAU .8276
 RDE .0877 RRA .0886 RC3 -.3620 FAU .07614
 FDE-2.5411 FRA 1.6148 FC3-6.2195 BSP 16547
 BDE 1.8874 BRA .7882 BC3 5.8412 FSP -1915

MID-COURSE EXECUTION ACCURACY

SGT 5268.7 SGR 330.7 SG3 588.2
 RRT .3714 RRF .3597 RTF .9768
 SGB 5279.1 R23 -.0046 R13 .9768
 SG1 5270.1 SG2 307.0 THA 1.34

ORBIT DETERMINATION ACCURACY

ST 3351.8 SR 163.1 SS 1853.0
 CRT -.8924 CRS .8590 CST -.9975
 LSA 3830.9 MSA 137.4 SSA 16.4
 EL1 3355.0 EL2 73.5 ALF 177.51

LAUNCH DATE JUN 5 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 505.737

RL 151.78 LAL -.00 LOL 253.67 VL 26.640 GAL 2.65 AZL 93.27 HCA 233.22 SMA 127.73 ECC .19372 INC 3.2701 V1 29.353
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.823 GAP 6.47 AZP 88.04 TAL 168.83 TAP 42.05 RCA 102.99 APO 152.48 V2 35.258
 RC 128.066 GL -27.19 GP -1.56 ZAL 72.59 ZAP 151.47 ETS 357.78 ZAE 131.50 ETE 181.36 ZAC 109.77 ETC 15.21 CLP-151.51

PLANETOCENTRIC CONIC

C3 11.039 VHL 3.323 DLA -26.08 RAL 171.39 RAD 6567.4 VEL 11.508 PTH 2.00 VHP 4.873 DPA 11.19 RAP 157.87 ECC 1.1817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 16 16 1083.83 14.58 336.06 27.81 114.54 10 34 20 483.8 17.78 328.83
 90.00 13 33 21 5724.23 27.42 271.18 31.73 97.35 15 8 45 5124.2 28.16 262.59
 100.00 11 10 1 910.24 12.63 322.33 26.83 117.32 11 25 12 310.2 16.19 315.35
 100.00 15 22 17 5373.05 29.59 245.60 31.99 94.46 16 51 50 4773.0 29.89 236.81
 110.00 11 29 21 849.61 8.69 315.40 24.50 123.19 11 43 30 249.6 13.00 308.95
 110.00 17 19 27 5006.45 34.14 217.88 32.11 88.23 18 42 53 4406.4 33.52 208.70

DIFFERENTIAL CORRECTIONS

TDE-1.9680 TRA .9077 TC3-5.7307 BAU .8473
 RDE .1020 RRA .0929 RC3 -.3459 FAU .07004
 FDE-2.4135 FRA 1.6334 FC3-5.4928 BSP 16959
 BDE 1.9707 BRA .9125 BC3 5.7412 FSP -1795

MID-COURSE EXECUTION ACCURACY

SGT 5390.4 SGR 340.0 SG3 549.7
 RRT .3216 RRF .3081 RTF .9765
 SGB 5401.2 R23 -.0074 R13 .9765
 SG1 5391.6 SG2 321.9 THA 1.17

ORBIT DETERMINATION ACCURACY

ST 3435.7 SR 184.0 SS 1797.0
 CRT -.8988 CRS .8671 CST -.9976
 LSA 3879.2 MSA 137.7 SSA 16.9
 EL1 3439.7 EL2 80.6 ALF 177.24

LAUNCH DATE JUN 5 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 511.733

RL 151.78 LAL -.00 LOL 253.67 VL 26.612 GAL 2.95 AZL 93.28 HCA 236.47 SMA 127.54 ECC .19665 INC 3.2837 V1 29.353
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.804 GAP 6.86 AZP 88.18 TAL 167.79 TAP 44.26 RCA 102.46 APO 152.63 V2 35.259
 RC 130.261 GL -26.63 GP -1.44 ZAL 70.59 ZAP 153.26 ETS 357.71 ZAE 130.71 ETE 181.34 ZAC 108.32 ETC 15.08 CLP-153.29

PLANETOCENTRIC CONIC

C3 11.538 VHL 3.397 DLA -26.44 RAL 173.60 RAD 6567.4 VEL 11.529 PTH 2.01 VHP 5.061 DPA 10.77 RAP 159.30 ECC 1.1899
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 33 13 1065.71 15.09 334.97 30.90 114.25 10 50 58 465.7 18.24 327.71
 90.00 13 34 4 5760.65 27.08 273.79 34.67 98.61 15 10 5 5160.7 27.99 265.25
 100.00 11 24 48 899.08 12.98 321.68 29.84 117.17 11 39 47 299.1 16.51 314.68
 100.00 15 25 10 5402.52 29.41 247.77 35.00 95.59 16 55 12 4802.5 29.88 239.00
 110.00 11 41 56 845.31 8.85 315.17 27.40 123.15 11 56 1 245.3 13.15 308.72
 110.00 17 24 31 5029.06 34.18 219.65 35.24 89.27 18 48 20 4429.1 33.70 210.44

DIFFERENTIAL CORRECTIONS

TDE-2.0469 TRA 1.0444 TC3-5.5944 BAU .8645
 RDE .1167 RRA .0971 RC3 -.3285 FAU .06424
 FDE-2.2902 FRA 1.6543 FC3-4.8199 BSP 17288
 BOE 2.0502 BRA 1.0489 BC3 5.6041 FSP -1678

MID-COURSE EXECUTION ACCURACY

SGT 5498.7 SGR 349.3 SG3 513.7
 RRT .2750 RRF .2600 RTF .9761
 SGB 5509.8 R23 -.0098 R13 .9761
 SGI 5499.6 SG2 335.8 THA 1.00

ORBIT DETERMINATION ACCURACY

ST 3504.6 SR 204.5 SS 1738.5
 CRT -.9023 CRS .8716 CST -.9977
 LSA 3914.9 MSA 138.8 SSA 17.3
 EL1 3509.4 EL2 88.1 ALF 176.98

LAUNCH DATE JUN 5 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 517.704

RL 151.78 LAL -.00 LOL 253.67 VL 26.582 GAL 3.26 AZL 93.30 HCA 239.72 SMA 127.35 ECC .19978 INC 3.2964 V1 29.353
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.783 GAP 7.25 AZP 88.34 TAL 166.73 TAP 46.45 RCA 101.91 APO 152.80 V2 35.259
 RC 132.447 GL -26.02 GP -1.33 ZAL 68.57 ZAP 154.95 ETS 357.61 ZAE 130.00 ETE 181.31 ZAC 106.79 ETC 14.93 CLP-154.99

PLANETOCENTRIC CONIC

C3 12.104 VHL 3.479 DLA -26.75 RAL 175.85 RAD 6567.5 VEL 11.554 PTH 2.02 VHP 5.255 DPA 10.30 RAP 160.81 ECC 1.1992
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 50 3 1049.46 15.55 333.99 34.07 113.97 11 7 32 449.5 18.65 326.69
 90.00 13 35 11 5796.97 26.68 276.38 37.69 99.85 15 11 48 5197.0 27.77 267.88
 100.00 11 39 19 890.30 13.25 321.17 32.94 117.04 11 54 10 290.3 16.77 314.15
 100.00 15 28 36 5431.37 29.20 249.89 38.11 96.69 16 59 7 4831.4 29.82 241.14
 110.00 11 54 20 843.20 8.93 315.06 30.39 123.13 12 8 23 243.2 13.23 308.60
 110.00 17 30 5 5051.22 34.18 221.38 38.46 90.30 18 54 16 4451.2 33.85 212.15

DIFFERENTIAL CORRECTIONS

TDE-2.1272 TRA 1.1880 TC3-5.4411 BAU .8819
 RDE .1320 RRA .1009 RC3 -.3103 FAU .05908
 FDE-2.1790 FRA 1.6702 FC3-4.2256 BSP 17668
 BOE 2.1313 BRA 1.1923 BC3 5.4499 FSP -1579

MID-COURSE EXECUTION ACCURACY

SGT 5604.2 SGR 358.4 SG3 481.1
 RRT .2308 RRF .2143 RTF .9758
 SGB 5615.7 R23 -.0120 R13 .9758
 SGI 5604.8 SG2 348.7 THA .85

ORBIT DETERMINATION ACCURACY

ST 3566.2 SR 224.5 SS 1683.1
 CRT -.9044 CRS .8747 CST -.9978
 LSA 3947.3 MSA 140.4 SSA 17.5
 EL1 3572.0 EL2 95.7 ALF 176.74

LAUNCH DATE JUN 5 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 523.647

RL 151.78 LAL -.00 LOL 253.67 VL 26.553 GAL 3.59 AZL 93.31 HCA 242.97 SMA 127.16 ECC .20314 INC 3.3083 V1 29.353
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.761 GAP 7.65 AZP 88.50 TAL 165.65 TAP 48.62 RCA 101.33 APO 152.99 V2 35.258
 RC 134.624 GL -25.37 GP -1.24 ZAL 66.53 ZAP 156.57 ETS 357.50 ZAE 129.35 ETE 181.30 ZAC 105.19 ETC 14.78 CLP-156.60

PLANETOCENTRIC CONIC

C3 12.743 VHL 3.570 DLA -27.02 RAL 178.13 RAD 6567.5 VEL 11.581 PTH 2.03 VHP 5.456 DPA 9.78 RAP 162.39 ECC 1.2097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 6 38 1035.48 15.93 333.14 37.32 113.72 11 23 53 435.5 19.00 325.82
 90.00 13 36 47 5832.86 26.24 278.91 40.77 101.05 15 14 0 5232.9 27.50 270.47
 100.00 11 53 27 884.22 13.44 320.82 36.10 116.96 12 8 11 284.2 16.94 313.78
 100.00 15 32 39 5459.35 28.96 251.94 41.28 97.74 17 3 38 4859.4 29.73 243.22
 110.00 12 6 26 843.46 8.92 315.07 33.44 123.14 12 20 29 243.5 13.22 308.61
 110.00 17 36 9 5072.88 34.16 223.07 41.76 91.30 19 0 42 4472.9 33.96 213.83

DIFFERENTIAL CORRECTIONS

TDE-2.2060 TRA 1.3423 TC3-5.2640 BAU .8982
 RDE .1479 RRA .1042 RC3 -.2912 FAU .05432
 FDE-2.0745 FRA 1.6862 FC3-3.6902 BSP 18016
 BOE 2.2110 BRA 1.3464 BC3 5.2720 FSP -1487

MID-COURSE EXECUTION ACCURACY

SGT 5701.8 SGR 367.2 SG3 451.1
 RRT .1887 RRF .1711 RTF .9755
 SGB 5713.6 R23 -.0140 R13 .9755
 SGI 5702.2 SG2 360.5 THA .70

ORBIT DETERMINATION ACCURACY

ST 3616.1 SR 244.0 SS 1627.9
 CRT -.9053 CRS .8764 CST -.9979
 LSA 3970.5 MSA 142.7 SSA 17.7
 EL1 3622.8 EL2 103.5 ALF 176.50

LAUNCH DATE JUN 5 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 529.561

RL 151.78 LAL -.00 LOL 253.67 VL 26.522 GAL 3.93 AZL 93.32 HCA 246.22 SMA 126.96 ECC .20674 INC 3.3195 V1 29.353
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.738 GAP 8.06 AZP 88.66 TAL 164.56 TAP 50.77 RCA 100.72 APO 153.21 V2 35.256
 RC 136.791 GL -24.68 GP -1.17 ZAL 64.50 ZAP 158.11 ETS 357.77 ZAE 128.78 ETE 181.28 ZAC 103.51 ETC 14.63 CLP-158.14

PLANETOCENTRIC CONIC

C3 13.466 VHL 3.670 DLA -27.25 RAL 180.42 RAD 6567.5 VEL 11.613 PTH 2.03 VHP 5.664 DPA 9.21 RAP 164.02 ECC 1.2216
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 22 45 1024.30 16.24 332.46 40.64 113.52 11 39 49 424.3 19.28 325.11
 90.00 13 38 57 5867.89 25.76 281.36 43.92 102.19 15 16 45 5267.9 27.18 272.99
 100.00 12 7 3 881.17 13.53 320.64 39.32 116.91 12 21 44 281.2 17.03 313.60
 100.00 15 37 20 5486.24 28.70 253.89 44.53 98.74 17 8 47 4886.2 29.61 245.21
 110.00 12 18 11 846.22 8.82 315.22 36.54 123.16 12 32 17 246.2 13.12 308.77
 110.00 17 42 42 5093.96 34.12 224.72 45.14 92.27 19 7 36 4494.0 34.05 215.47

DIFFERENTIAL CORRECTIONS

TDE-2.2837 TRA 1.5075 TC3-5.0645 BAU .9131
 RDE .1644 RRA .1071 RC3 -.2712 FAU .04989
 FDE-1.9765 FRA 1.7019 FC3-3.2071 BSP 18340
 BOE 2.2896 BRA 1.5113 BC3 5.0717 FSP -1402

MID-COURSE EXECUTION ACCURACY

SGT 5791.2 SGR 375.4 SG3 423.2
 RRT .1483 RRF .1296 RTF .9752
 SGB 5803.4 R23 -.0158 R13 .9752
 SGI 5791.5 SG2 371.2 THA .55

ORBIT DETERMINATION ACCURACY

ST 3654.7 SR 262.9 SS 1573.1
 CRT -.9053 CRS .8771 CST -.9979
 LSA 3984.8 MSA 145.7 SSA 17.7
 EL1 3662.4 EL2 111.5 ALF 176.27

LAUNCH DATE JUN 5 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 535.445

RL 151.78 LAL -1.00 LOL 253.67 VL 26.492 GAL 4.30 AZL 93.33 HCA 249.46 SMA 126.77 ECC .21060 INC 3.3301 V1 29.353
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.715 GAP 8.48 AZP 88.83 TAL 163.44 TAP 52.91 RCA 100.07 APO 153.46 V2 35.254
 RC 138.949 GL -23.96 GP -1.10 ZAL 62.46 ZAP 159.58 ETS 357.22 ZAE 128.25 ETE 181.26 ZAC 101.77 ETC 14.47 CLP-159.61

PLANETOCENTRIC CONIC

C3 14.284 VHL 3.779 DLA -27.44 RAL 182.72 RAD 6567.6 VEL 11.648 PTH 2.04 VHP 5.880 DPA 8.60 RAP 165.71 ECC 1.2351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 38 10 1016.58 16.44 331.99 44.00 113.32 11 55 7 416.6 19.47 324.63
 90.00 13 41 52 613.42 25.26 305.79 47.12 103.25 13 52 5 13.4 26.83 297.48
 100.00 12 19 59 881.48 13.52 320.66 42.58 116.92 12 34 40 281.5 17.02 313.62
 100.00 15 42 44 5511.80 28.42 255.74 47.84 99.67 17 14 36 4911.8 29.47 247.09
 110.00 12 29 29 851.61 8.62 315.51 39.69 123.21 12 43 41 251.6 12.93 309.06
 110.00 17 49 43 5114.43 34.05 226.31 48.58 93.21 19 14 57 4514.4 34.12 217.07

DIFFERENTIAL CORRECTIONS

TDE-2.3562 TRA 1.6876 TC3-4.8361 BAU .9248
 RDE .1818 RRA .1094 RC3 -.2506 FAU .04556
 FDE-1.8798 FRA 1.7213 FC3-2.7614 BSP 18553
 BDE 2.3632 BRA 1.6912 BC3 4.8426 FSP -1314

MID-COURSE EXECUTION ACCURACY

SGT 5867.9 SGR 383.1 SG3 397.1
 RRT .1097 RRF .0905 RTF .9747
 SGB 5880.4 R23 -.0170 R13 .9747
 SG1 5868.0 SG2 380.8 THA .41

ORBIT DETERMINATION ACCURACY

ST 3676.8 SR 281.3 SS 1515.8
 CRT -.9043 CRS .8764 CST -.9980
 LSA 3984.1 MSA 149.8 SSA 17.6
 EL1 3685.6 EL2 119.8 ALF 176.04

LAUNCH DATE JUN 5 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 541.294

RL 151.78 LAL -1.00 LOL 253.67 VL 26.461 GAL 4.69 AZL 93.34 HCA 252.71 SMA 126.57 ECC .21473 INC 3.3403 V1 29.353
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.690 GAP 8.90 AZP 89.01 TAL 162.31 TAP 55.02 RCA 99.39 APO 153.75 V2 35.251
 RC 141.095 GL -23.20 GP -1.03 ZAL 60.45 ZAP 160.99 ETS 357.06 ZAE 127.77 ETE 181.25 ZAC 99.98 ETC 14.32 CLP-161.02

PLANETOCENTRIC CONIC

C3 15.209 VHL 3.900 DLA -27.58 RAL 185.01 RAD 6567.6 VEL 11.687 PTH 2.06 VHP 6.104 DPA 7.95 RAP 167.45 ECC 1.2503
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 52 35 1013.18 16.54 331.79 47.39 113.32 12 9 29 413.2 19.55 324.41
 90.00 13 45 43 644.77 24.75 307.95 50.37 104.22 13 56 28 44.8 26.46 299.70
 100.00 12 32 7 885.44 13.40 320.89 45.87 116.97 12 46 52 285.4 16.91 313.86
 100.00 15 48 53 5535.78 28.14 257.47 51.20 100.54 17 21 9 4935.8 29.30 248.86
 110.00 12 40 18 859.73 8.31 315.94 42.87 123.28 12 54 38 259.7 12.64 309.51
 110.00 17 57 11 5134.26 33.96 227.85 52.08 94.12 19 22 45 4534.3 34.16 218.61

DIFFERENTIAL CORRECTIONS

TDE-2.4321 TRA 1.8752 TC3-4.6052 BAU .9375
 RDE .1999 RRA .1109 RC3 -.2298 FAU .04178
 FDE-1.7948 FRA 1.7363 FC3-2.3784 BSP 18851
 BDE 2.4403 BRA 1.8785 BC3 4.6110 FSP -1242

MID-COURSE EXECUTION ACCURACY

SGT 5944.1 SGR 390.1 SG3 373.4
 RRT .0715 RRF .0517 RTF .9744
 SGB 5956.9 R23 -.0183 R13 .9744
 SG1 5944.1 SG2 389.1 THA .27

ORBIT DETERMINATION ACCURACY

ST 3694.5 SR 298.9 SS 1463.5
 CRT -.9033 CRS .8759 CST -.9981
 LSA 3982.0 MSA 153.9 SSA 17.4
 EL1 3704.4 EL2 127.9 ALF 175.82

LAUNCH DATE JUN 5 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 547.108

RL 151.78 LAL -1.00 LOL 253.67 VL 26.429 GAL 5.10 AZL 93.35 HCA 255.96 SMA 126.37 ECC .21915 INC 3.3501 V1 29.353
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.664 GAP 9.34 AZP 89.19 TAL 161.18 TAP 57.13 RCA 98.68 APO 154.06 V2 35.247
 RC 143.232 GL -22.43 GP -.98 ZAL 58.45 ZAP 162.35 ETS 356.87 ZAE 127.34 ETE 181.23 ZAC 98.14 ETC 14.18 CLP-162.38

PLANETOCENTRIC CONIC

C3 16.254 VHL 4.032 DLA -27.68 RAL 187.28 RAD 6567.7 VEL 11.732 PTH 2.07 VHP 6.336 DPA 7.26 RAP 169.22 ECC 1.2675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 5 41 1014.99 16.49 331.90 50.80 113.35 12 22 36 415.0 19.51 324.53
 90.00 13 50 46 673.03 24.26 309.87 53.68 105.07 14 1 59 73.0 26.10 301.68
 100.00 12 43 21 893.28 13.16 321.34 49.17 117.09 12 58 14 293.3 16.68 314.33
 100.00 15 55 48 5558.02 27.85 259.06 54.62 101.33 17 28 26 4958.0 29.13 250.49
 110.00 12 50 34 870.62 7.91 316.52 46.06 123.36 13 5 4 270.6 12.24 310.11
 110.00 18 5 4 5153.44 33.86 229.34 55.62 95.00 19 30 58 4553.4 34.18 220.11

DIFFERENTIAL CORRECTIONS

TDE-2.5062 TRA 2.0761 TC3-4.3597 BAU .9484
 RDE .2188 RRA .1116 RC3 -.2090 FAU .03820
 FDE-1.7137 FRA 1.7526 FC3-2.0345 BSP 19111
 BDE 2.5157 BRA 2.0791 BC3 4.3647 FSP -1174

MID-COURSE EXECUTION ACCURACY

SGT 6012.1 SGR 396.5 SG3 351.3
 RRT .0344 RRF .0143 RTF .9741
 SGB 6025.1 R23 -.0193 R13 .9741
 SG1 6012.1 SG2 396.3 THA .13

ORBIT DETERMINATION ACCURACY

ST 3700.8 SR 315.6 SS 1411.4
 CRT -.9018 CRS .8748 CST -.9982
 LSA 3970.1 MSA 158.7 SSA 17.1
 EL1 3711.7 EL2 136.0 ALF 175.60

LAUNCH DATE JUN 5 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 552.881

RL 151.78 LAL -1.00 LOL 253.67 VL 26.398 GAL 5.53 AZL 93.36 HCA 259.20 SMA 126.17 ECC .22390 INC 3.3597 V1 29.353
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.638 GAP 9.79 AZP 89.37 TAL 160.03 TAP 59.23 RCA 97.92 APO 154.42 V2 35.243
 RC 145.356 GL -21.64 GP -.93 ZAL 56.48 ZAP 163.67 ETS 356.66 ZAE 126.94 ETE 181.20 ZAC 96.25 ETC 14.04 CLP-163.69

PLANETOCENTRIC CONIC

C3 17.436 VHL 4.176 DLA -27.74 RAL 189.53 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 6.579 DPA 6.55 RAP 171.03 ECC 1.2869
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 17 10 1022.92 16.27 332.38 54.19 113.50 12 34 13 422.9 19.31 325.03
 90.00 13 57 14 697.37 23.82 311.52 57.05 105.78 14 8 51 97.4 25.76 303.39
 100.00 12 53 36 905.13 12.79 322.03 52.48 117.25 13 8 41 305.1 16.34 315.04
 100.00 16 3 29 5578.44 27.57 260.51 58.08 102.04 17 36 27 4978.4 28.95 251.98
 110.00 13 0 14 884.32 7.39 317.25 49.27 123.47 13 14 58 284.3 11.74 310.86
 110.00 18 13 21 5172.01 33.74 230.78 59.21 95.84 19 39 33 4572.0 34.18 221.56

DIFFERENTIAL CORRECTIONS

TDE-2.5792 TRA 2.2896 TC3-4.1050 BAU .9579
 RDE .2385 RRA .1114 RC3 -.1885 FAU .03487
 FDE-1.6379 FRA 1.7687 FC3-1.7312 BSP 19348
 BDE 2.5902 BRA 2.2923 BC3 4.1093 FSP -1111

MID-COURSE EXECUTION ACCURACY

SGT 6072.8 SGR 402.2 SG3 330.8
 RRT -.0022 RRF -.0223 RTF .9739
 SGB 6086.1 R23 .0201 R13 -.9739
 SG1 6072.8 SG2 402.2 THA 179.99

ORBIT DETERMINATION ACCURACY

ST 3697.2 SR 331.4 SS 1360.7
 CRT -.8999 CRS .8733 CST -.9982
 LSA 3950.2 MSA 163.8 SSA 16.7
 EL1 3709.3 EL2 144.1 ALF 175.38

LAUNCH DATE JUN 5 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 558.612

RL 151.78 LAL -.00 LOL 253.67 VL 26.366 GAL 5.99 AZL 93.37 HCA 262.45 SMA 125.97 ECC .22900 INC 3.3690 V1 29.353
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.611 GAP 10.26 AZP 89.56 TAL 158.87 TAP 61.32 RCA 97.12 APO 154.82 V2 35.237
 RC 147.469 GL -20.83 GP -.88 ZAL 54.54 ZAP 164.94 ETS 356.43 ZAE 126.57 ETE 181.18 ZAC 94.33 ETC 13.92 CLP-164.97

PLANETOCENTRIC CONIC

C3 18.772 VHL 4.333 DLA -27.76 RAL 191.75 RAD 6567.8 VEL 11.839 PTH 2.10 VHP 6.833 DPA 5.80 RAP 172.87 ECC 1.3089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 26 48 1037.53 15.87 333.27 57.55 113.76 12 44 5 437.5 18.95 325.95
 90.00 14 5 16 717.25 23.45 312.86 60.48 106.35 14 17 13 117.2 25.47 304.77
 100.00 13 2 50 921.03 12.29 322.95 55.78 117.46 13 18 11 321.0 15.87 315.99
 100.00 16 11 54 5597.02 27.30 261.82 61.59 102.68 17 45 11 4997.0 28.77 253.33
 110.00 13 9 16 900.81 6.77 318.12 52.48 123.59 13 24 17 300.8 11.14 311.76
 110.00 18 21 57 5190.01 33.61 232.17 62.83 96.65 19 48 27 4590.0 34.16 222.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6484 TRA 2.5201 TC3-3.8371 BAU .9639 SGT 6124.2 SGR 407.1 SG3 311.7 ST 3681.3 SR 346.1 SS 1309.9
 RDE .2590 RRA .1102 RC3 -.1685 FAU .03159 RRT -.0377 RRF -.0573 RTF .9735 CRT -.8974 CRS .8709 CST -.9983
 FDE-1.5642 FRA 1.7883 FC3-1.4568 BSP 19490 SGB 6137.7 R23 .0204 R13 -.9735 LSA 3919.0 MSA 169.5 SSA 16.4
 BDE 2.6610 BRA 2.5225 BC3 3.8408 FSP -1046 SG1 6124.2 SG2 406.8 THA 179.86 EL1 3694.4 EL2 152.2 ALF 175.17

LAUNCH DATE JUN 5 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 564.295

RL 151.78 LAL -.00 LOL 253.67 VL 26.334 GAL 6.48 AZL 93.38 HCA 265.69 SMA 125.77 ECC .23448 INC 3.3782 V1 29.353
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.583 GAP 10.74 AZP 89.75 TAL 157.71 TAP 63.40 RCA 96.28 APO 155.26 V2 35.231
 RC 149.570 GL -20.02 GP -.84 ZAL 52.65 ZAP 166.18 ETS 356.17 ZAE 126.22 ETE 181.15 ZAC 92.38 ETC 13.80 CLP-166.20

PLANETOCENTRIC CONIC

C3 20.285 VHL 4.504 DLA -27.74 RAL 193.92 RAD 6567.8 VEL 11.902 PTH 2.11 VHP 7.099 DPA 5.03 RAP 174.73 ECC 1.3338
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 34 32 1058.92 15.28 334.56 60.87 114.13 12 52 11 458.9 18.42 327.29
 90.00 14 14 50 732.59 23.15 313.88 63.98 106.78 14 27 3 132.6 25.23 305.83
 100.00 13 11 2 940.94 11.66 324.09 59.06 117.72 13 26 43 340.9 15.28 317.17
 100.00 16 21 2 5613.84 27.04 263.01 65.13 103.26 17 54 35 5013.8 28.59 254.55
 110.00 13 17 41 920.04 6.05 319.14 55.69 123.71 13 33 1 320.0 10.44 312.80
 110.00 18 30 52 5207.50 33.46 233.51 66.48 97.43 19 57 39 4607.5 34.13 224.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7213 TRA 2.7611 TC3-3.5748 BAU .9703 SGT 6172.8 SGR 411.4 SG3 294.1 ST 3662.2 SR 359.6 SS 1263.4
 RDE .2803 RRA .1078 RC3 -.1493 FAU .02867 RRT -.0736 RRF -.0926 RTF .9733 CRT -.8950 CRS .8688 CST -.9984
 FDE-1.4988 FRA 1.8057 FC3-1.2236 BSP 19705 SGB 6186.5 R23 .0208 R13 -.9733 LSA 3886.7 MSA 174.9 SSA 16.0
 BDE 2.7357 BRA 2.7632 BC3 3.5779 FSP -991 SG1 6172.9 SG2 410.3 THA 179.72 EL1 3676.3 EL2 159.8 ALF 174.97

LAUNCH DATE JUN 5 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 569.925

RL 151.78 LAL -.00 LOL 253.67 VL 26.302 GAL 7.00 AZL 93.39 HCA 268.93 SMA 125.57 ECC .24037 INC 3.3873 V1 29.353
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.554 GAP 11.25 AZP 89.84 TAL 156.55 TAP 65.48 RCA 95.39 APO 155.75 V2 35.225
 RC 151.657 GL -19.20 GP -.81 ZAL 50.80 ZAP 167.38 ETS 355.87 ZAE 125.90 ETE 181.12 ZAC 90.39 ETC 13.70 CLP-167.41

PLANETOCENTRIC CONIC

C3 21.999 VHL 4.690 DLA -27.68 RAL 196.04 RAD 6567.9 VEL 11.974 PTH 2.13 VHP 7.379 DPA 4.24 RAP 176.61 ECC 1.3620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 40 31 1086.53 14.51 336.22 64.14 114.59 12 58 37 486.5 17.71 329.00
 90.00 14 25 47 743.96 22.92 314.64 67.52 107.09 14 38 11 144.0 25.05 306.61
 100.00 13 18 13 964.67 10.91 325.45 62.32 118.00 13 34 18 364.7 14.57 318.58
 100.00 16 30 46 5629.09 26.80 264.08 68.70 103.77 18 4 35 5029.1 28.42 255.65
 110.00 13 25 27 941.95 5.22 320.29 58.88 123.83 13 41 9 341.9 9.63 313.98
 110.00 18 40 14 5224.58 33.30 234.82 70.16 98.19 20 7 6 4624.6 34.08 225.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7940 TRA 3.0171 TC3-3.3120 BAU .9748 SGT 6214.9 SGR 414.9 SG3 277.7 ST 3635.5 SR 371.9 SS 1218.9
 RDE .3023 RRA .1041 RC3 -.1310 FAU .02592 RRT -.1090 RRF -.1273 RTF .9732 CRT -.8924 CRS .8665 CST -.9984
 FDE-1.4378 FRA 1.8239 FC3-1.0202 BSP 19899 SGB 6228.7 R23 .0209 R13 -.9732 LSA 3848.2 MSA 180.3 SSA 15.6
 BDE 2.8103 BRA 3.0189 BC3 3.3146 FSP -940 SG1 6215.0 SG2 412.4 THA 179.58 EL1 3650.7 EL2 167.1 ALF 174.77

LAUNCH DATE JUN 5 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 575.495

RL 151.78 LAL -.00 LOL 253.67 VL 26.270 GAL 7.55 AZL 93.40 HCA 272.17 SMA 125.37 ECC .24673 INC 3.3964 V1 29.353
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.525 GAP 11.77 AZP 90.13 TAL 155.39 TAP 67.56 RCA 94.44 APO 156.30 V2 35.217
 RC 153.730 GL -18.38 GP -.78 ZAL 48.99 ZAP 168.56 ETS 355.53 ZAE 125.60 ETE 181.09 ZAC 88.38 ETC 13.61 CLP-168.59

PLANETOCENTRIC CONIC

C3 23.943 VHL 4.893 DLA -27.59 RAL 198.10 RAD 6568.0 VEL 12.055 PTH 2.15 VHP 7.673 DPA 3.43 RAP 178.51 ECC 1.3940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 45 0 1119.45 13.57 338.18 67.36 115.10 13 3 39 519.4 16.84 331.03
 90.00 14 37 45 752.27 22.76 315.19 71.11 107.32 14 50 18 152.3 24.91 307.19
 100.00 13 24 26 991.98 10.03 327.00 65.55 118.31 13 40 58 392.0 13.74 320.18
 100.00 16 41 0 5643.00 26.57 265.05 72.30 104.23 18 15 3 5043.0 28.26 256.65
 110.00 13 32 35 966.41 4.29 321.58 62.06 123.95 13 48 41 366.4 8.72 315.29
 110.00 18 49 21 5241.34 33.13 236.10 73.85 98.93 20 16 42 4641.3 34.01 226.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8667 TRA 3.2895 TC3-3.0504 BAU .9771 SGT 6250.4 SGR 417.7 SG3 262.5 ST 3602.2 SR 382.7 SS 1176.5
 RDE .3251 RRA .0991 RC3 -.1138 FAU .02333 RRT -.1442 RRF -.1614 RTF .9731 CRT -.8896 CRS .8640 CST -.9985
 FDE-1.3809 FRA 1.8435 FC3 -.8436 BSP 20068 SGB 6264.3 R23 .0207 R13 -.9732 LSA 3804.2 MSA 185.7 SSA 15.2
 BDE 2.8851 BRA 3.2910 BC3 3.0526 FSP -892 SG1 6250.7 SG2 413.3 THA 179.45 EL1 3618.3 EL2 174.1 ALF 174.59

LAUNCH DATE JUN 5 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 580.999

RL 151.78 LAL -1.00 LOL 253.67 VL 26.239 GAL 8.13 AZL 93.41 HCA 275.41 SMA 125.17 ECC .25359 INC 3.4056 V1 29.353
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.495 GAP 12.32 AZP 90.32 TAL 154.23 TAP 69.64 RCA 93.43 APO 156.91 V2 35.210
 RC 155.789 GL -17.56 GP -1.75 ZAL 47.24 ZAP 169.71 ETS 355.13 ZAE 125.31 ETE 181.06 ZAC 86.36 ETC 13.54 CLP-169.74

PLANETOCENTRIC CONIC

C3 26.151 VHL 5.114 DLA -27.46 RAL 200.10 RAD 6568.1 VEL 12.146 PTH 2.18 VHP 7.985 DPA 2.61 RAP 180.43 ECC 1.4304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 48 17 1156.67 12.48 340.37 70.54 115.63 13 7 33 556.7 15.83 333.29
 90.00 14 50 27 758.50 22.63 315.60 74.73 107.49 15 3 6 158.5 24.81 307.61
 100.00 13 29 46 1022.59 9.04 328.73 68.74 118.62 13 46 49 422.6 12.79 321.95
 100.00 16 51 39 5655.85 26.35 265.94 75.91 104.65 18 25 55 5055.9 28.10 257.58
 110.00 13 39 5 993.32 3.26 322.99 65.21 124.05 13 55 38 393.3 7.71 316.72
 110.00 18 58 49 5257.88 32.95 237.36 77.55 99.65 20 26 27 4657.9 33.93 228.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9403 TRA 3.5796 TC3-2.7920 BAU .9767 SGT 6279.9 SGR 419.7 SG3 248.3 ST 3563.6 SR 392.1 SS 1136.6
 RDE .3485 RRA .0925 RC3 -.0979 FAU .02086 RRT -.1792 RRF -.1951 RTF .9732 CRT -.8865 CRS .8612 CST -.9985
 FDE-1.3282 FRA 1.8648 FC3 -.6905 BSP 20212 SGB 6293.9 R23 .0202 R13 -.9732 LSA 3756.1 MSA 190.8 SSA 14.8
 BDE 2.9609 BRA 3.5808 BC3 2.7937 FSP -.846 SG1 6280.3 SG2 412.9 THA 179.31 EL1 3580.5 EL2 180.5 ALF 174.41

LAUNCH DATE JUN 5 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 586.427

RL 151.78 LAL -1.00 LOL 253.67 VL 26.207 GAL 8.75 AZL 93.41 HCA 278.65 SMA 124.97 ECC .26100 INC 3.4148 V1 29.353
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.465 GAP 12.90 AZP 90.51 TAL 153.08 TAP 71.73 RCA 92.36 APO 157.59 V2 35.201
 RC 157.834 GL -16.75 GP -.72 ZAL 45.55 ZAP 170.85 ETS 354.65 ZAE 125.03 ETE 181.02 ZAC 84.32 ETC 13.49 CLP-170.88

PLANETOCENTRIC CONIC

C3 28.663 VHL 5.354 DLA -27.30 RAL 202.04 RAD 6568.2 VEL 12.249 PTH 2.20 VHP 8.316 DPA 1.77 RAP 182.36 ECC 1.4717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 50 36 1197.28 11.27 342.74 73.66 116.15 13 10 33 597.3 14.70 335.74
 90.00 15 3 34 763.53 22.53 315.94 78.37 107.63 15 16 17 163.5 24.73 307.96
 100.00 13 34 16 1056.16 7.94 330.62 71.90 118.91 13 51 53 456.2 11.73 323.89
 100.00 17 2 35 5667.92 26.14 266.77 79.54 105.04 18 37 2 5067.9 27.95 258.44
 110.00 13 44 59 1022.54 2.15 324.52 68.34 124.12 14 2 1 422.5 6.61 318.27
 110.00 19 8 21 5274.30 32.76 238.60 81.25 100.37 20 36 16 4674.3 33.84 229.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0121 TRA 3.8909 TC3-2.5355 BAU .9721 SGT 6302.4 SGR 421.0 SG3 235.1 ST 3517.6 SR 399.9 SS 1098.3
 RDE .3726 RRA .0843 RC3 -.0834 FAU .01844 RRT -.2136 RRF -.2277 RTF .9733 CRT -.8831 CRS .8579 CST -.9986
 FDE-1.2779 FRA 1.8893 FC3 -.5568 BSP 20268 SGB 6316.4 R23 .0194 R13 -.9733 LSA 3701.5 MSA 195.8 SSA 14.4
 BDE 3.0350 BRA 3.8918 BC3 2.5368 FSP -.800 SG1 6303.0 SG2 411.3 THA 179.18 EL1 3535.4 EL2 186.7 ALF 174.25

LAUNCH DATE JUN 5 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 591.770

RL 151.78 LAL -1.00 LOL 253.67 VL 26.175 GAL 9.42 AZL 93.42 HCA 281.89 SMA 124.78 ECC .26903 INC 3.4242 V1 29.353
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.434 GAP 13.52 AZP 90.71 TAL 151.95 TAP 73.84 RCA 91.21 APO 158.35 V2 35.192
 RC 159.863 GL -15.94 GP -.69 ZAL 43.92 ZAP 171.97 ETS 354.07 ZAE 124.75 ETE 180.98 ZAC 82.27 ETC 13.45 CLP-172.00

PLANETOCENTRIC CONIC

C3 31.528 VHL 5.615 DLA -27.11 RAL 203.90 RAD 6568.3 VEL 12.365 PTH 2.23 VHP 8.668 DPA .92 RAP 184.29 ECC 1.5189
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 52 10 1240.57 9.96 345.25 76.74 116.64 13 12 50 640.6 13.46 338.32
 90.00 15 16 52 768.00 22.43 316.23 82.02 107.75 15 29 40 168.0 24.65 308.26
 100.00 13 38 2 1092.40 6.74 332.64 75.01 119.19 13 56 14 492.4 10.58 325.96
 100.00 17 13 41 5679.45 25.93 267.57 83.16 105.41 18 48 21 5079.4 27.80 259.26
 110.00 13 50 17 1053.92 .95 326.15 71.43 124.17 14 7 51 453.9 5.43 319.93
 110.00 19 17 55 5290.69 32.55 239.83 84.95 101.07 20 46 6 4690.7 33.73 230.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0898 TRA 4.2182 TC3-2.2921 BAU .9665 SGT 6320.6 SGR 421.7 SG3 222.8 ST 3471.5 SR 406.1 SS 1064.1
 RDE .3972 RRA .0744 RC3 -.0703 FAU .01624 RRT -.2484 RRF -.2608 RTF .9736 CRT -.8799 CRS .8551 CST -.9987
 FDE-1.2339 FRA 1.9137 FC3 -.4458 BSP 20399 SGB 6334.7 R23 .0185 R13 -.9736 LSA 3648.0 MSA 200.1 SSA 14.0
 BDE 3.1152 BRA 4.2188 BC3 2.2931 FSP -.760 SG1 6321.5 SG2 408.4 THA 179.05 EL1 3489.9 EL2 191.9 ALF 174.10

LAUNCH DATE JUN 5 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 597.014

RL 151.78 LAL -1.00 LOL 253.67 VL 26.143 GAL 10.13 AZL 93.43 HCA 285.12 SMA 124.58 ECC .27775 INC 3.4338 V1 29.353
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.403 GAP 14.17 AZP 90.90 TAL 150.83 TAP 75.95 RCA 89.98 APO 159.19 V2 35.183
 RC 161.876 GL -15.15 GP -.67 ZAL 42.35 ZAP 173.09 ETS 353.33 ZAE 124.48 ETE 180.94 ZAC 80.21 ETC 13.44 CLP-173.12

PLANETOCENTRIC CONIC

C3 34.802 VHL 5.899 DLA -26.90 RAL 205.69 RAD 6568.4 VEL 12.497 PTH 2.26 VHP 9.044 DPA .06 RAP 186.23 ECC 1.5728
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 53 7 1285.98 8.57 347.85 79.77 117.09 13 14 33 686.0 12.13 340.99
 90.00 15 30 10 772.40 22.34 316.52 85.67 107.86 15 43 3 172.4 24.58 308.56
 100.00 13 41 6 1130.98 5.45 334.78 78.09 119.44 13 59 57 531.0 9.33 328.15
 100.00 17 24 52 5690.68 25.73 268.34 86.79 105.77 18 59 43 5090.7 27.64 260.06
 110.00 13 55 1 1087.32 -.33 327.90 74.50 124.18 14 13 8 487.3 4.16 321.68
 110.00 19 27 27 5307.11 32.33 241.06 88.64 101.76 20 55 54 4707.1 33.61 232.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1703 TRA 4.5671 TC3-2.0571 BAU .9575 SGT 6333.3 SGR 421.6 SG3 211.3 ST 3422.3 SR 410.8 SS 1032.8
 RDE .4224 RRA .0627 RC3 -.0586 FAU .01414 RRT -.2831 RRF -.2937 RTF .9740 CRT -.8767 CRS .8524 CST -.9987
 FDE-1.1940 FRA 1.9403 FC3 -.3517 BSP 20508 SGB 6347.3 R23 .0175 R13 -.9741 LSA 3592.5 MSA 203.8 SSA 13.6
 BDE 3.1983 BRA 4.5675 BC3 2.0579 FSP -.723 SG1 6334.4 SG2 404.3 THA 178.92 EL1 3441.3 EL2 196.5 ALF 173.97

LAUNCH DATE JUN 5 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 602.144

RL 151.78 LAL -0.00 LOL 253.67 VL 26.112 GAL 10.90 AZL 93.44 HCA 288.36 SMA 124.39 ECC .28723 INC 3.4437 V1 29.353
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.372 GAP 14.86 AZP 91.09 TAL 149.73 TAP 78.09 RCA 88.66 APO 160.12 V2 35.172
 RC 163.875 GL -14.36 GP -.65 ZAL 40.84 ZAP 174.19 ETS 352.35 ZAE 124.20 ETE 180.89 ZAC 78.15 ETC 13.44 CLP-174.23

PLANETOCENTRIC CONIC

C3 38.556 VHL 6.209 DLA -26.66 RAL 207.40 RAD 6568.5 VEL 12.646 PTH 2.30 VHP 9.448 DPA -.80 RAP 188.17 ECC 1.6345
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 53 34 1333.10 7.09 350.53 82.76 117.49 13 15 47 733.1 10.72 343.73
 90.00 15 43 22 777.05 22.24 316.83 89.30 107.99 15 56 19 177.1 24.50 308.88
 100.00 13 43 34 1171.64 4.09 337.03 81.12 119.64 14 3 5 571.6 8.00 330.43
 100.00 17 36 4 5701.78 25.52 269.10 90.40 106.12 19 11 5 5101.8 27.48 260.85
 110.00 13 59 11 1122.58 -1.67 329.73 77.53 124.15 14 17 54 522.6 2.82 323.53
 110.00 19 36 55 5323.61 32.09 242.29 92.31 102.46 21 5 39 4723.6 33.47 233.33

DIFFERENTIAL CORRECTIONS

TDE-3.2538 TRA 4.9398 TC3-1.8311 BAU .9442
 RDE .4481 RRA .0489 RC3 -.0483 FAU .01212
 FDE-1.1577 FRA 1.9699 FC3 -.2720 BSP 20589
 BDE 3.2846 BRA 4.9400 BC3 1.8317 FSP -687

MID-COURSE EXECUTION ACCURACY

SGT 6340.3 SGR 420.9 SG3 200.6
 RRT -.3177 RRF -.3262 RTF .9746
 SGB 6354.2 R23 .0162 R13 -.9747
 SG1 6341.7 SG2 399.0 THA 178.79

ORBIT DETERMINATION ACCURACY

ST 3370.5 SR 413.8 SS 1004.3
 CRT -.8735 CRS .8495 CST -.9988
 LSA 3535.2 MSA 206.8 SSA 13.2
 EL1 3389.9 EL2 200.3 ALF 173.86

LAUNCH DATE JUN 5 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 607.143

RL 151.78 LAL -0.00 LOL 253.67 VL 26.081 GAL 11.72 AZL 93.45 HCA 291.59 SMA 124.20 ECC .29758 INC 3.4540 V1 29.353
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.340 GAP 15.60 AZP 91.27 TAL 148.67 TAP 80.25 RCA 87.24 APO 161.16 V2 35.162
 RC 165.860 GL -13.59 GP -.63 ZAL 39.41 ZAP 175.30 ETS 350.94 ZAE 123.92 ETE 180.85 ZAC 76.09 ETC 13.47 CLP-175.34

PLANETOCENTRIC CONIC

C3 42.874 VHL 6.548 DLA -26.40 RAL 209.03 RAD 6568.6 VEL 12.816 PTH 2.33 VHP 9.883 DPA -1.66 RAP 190.11 ECC 1.7056
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 53 35 1381.61 5.56 353.27 85.71 117.81 13 16 36 781.6 9.24 346.53
 90.00 15 56 21 782.13 22.14 317.16 92.91 108.12 16 9 23 182.1 24.41 309.23
 100.00 13 45 26 1214.12 2.65 339.37 84.10 119.79 14 5 41 614.1 6.60 332.80
 100.00 17 47 10 5712.89 25.31 269.86 93.98 106.46 19 22 23 5112.9 27.32 261.63
 110.00 14 2 50 1159.54 -3.09 331.67 80.53 124.06 14 22 9 559.5 1.41 325.46
 110.00 19 46 16 5340.23 31.84 243.52 95.95 103.14 21 15 16 4740.2 33.32 234.61

DIFFERENTIAL CORRECTIONS

TDE-3.3387 TRA 5.3414 TC3-1.6124 BAU .9245
 RDE .4742 RRA .0328 RC3 -.0396 FAU .01010
 FDE-1.1239 FRA 2.0040 FC3 -.2039 BSP 20577
 BDE 3.3722 BRA 5.3415 BC3 1.6129 FSP -650

MID-COURSE EXECUTION ACCURACY

SGT 6342.0 SGR 419.4 SG3 190.7
 RRT -.3517 RRF -.3581 RTF .9754
 SGB 6355.9 R23 .0147 R13 -.9754
 SG1 6343.7 SG2 392.5 THA 178.66

ORBIT DETERMINATION ACCURACY

ST 3315.1 SR 415.1 SS 978.1
 CRT -.8700 CRS .8464 CST -.9988
 LSA 3474.9 MSA 209.4 SSA 12.8
 EL1 3334.8 EL2 203.4 ALF 173.76

LAUNCH DATE JUN 5 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 611.986

RL 151.78 LAL -0.00 LOL 253.67 VL 26.050 GAL 12.61 AZL 93.46 HCA 294.82 SMA 124.02 ECC .30888 INC 3.4647 V1 29.353
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.308 GAP 16.40 AZP 91.46 TAL 147.63 TAP 82.45 RCA 85.71 APO 162.32 V2 35.151
 RC 167.829 GL -12.83 GP -.62 ZAL 38.05 ZAP 176.40 ETS 348.70 ZAE 123.62 ETE 180.80 ZAC 74.05 ETC 13.52 CLP-176.45

PLANETOCENTRIC CONIC

C3 47.857 VHL 6.918 DLA -26.11 RAL 210.57 RAD 6568.8 VEL 13.008 PTH 2.37 VHP 10.352 DPA -2.52 RAP 192.04 ECC 1.7876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 53 11 1431.28 3.98 356.06 88.60 118.06 13 17 2 831.3 7.70 349.36
 90.00 16 9 3 787.71 22.02 317.53 96.48 108.27 16 22 11 187.7 24.31 309.61
 100.00 13 46 47 1258.18 1.16 341.79 87.04 119.87 14 7 45 658.2 5.13 335.25
 100.00 17 58 8 5724.07 25.09 270.62 97.54 106.81 19 33 32 5124.1 27.15 262.42
 110.00 14 5 56 1198.06 -4.55 333.68 83.49 123.92 14 25 54 598.1 -.07 327.47
 110.00 19 55 28 5356.96 31.58 244.75 99.56 103.83 21 24 45 4757.0 33.15 235.88

DIFFERENTIAL CORRECTIONS

TDE-3.4335 TRA 5.7667 TC3-1.4090 BAU .9017
 RDE .5009 RRA .0146 RC3 -.0321 FAU .00823
 FDE-1.0961 FRA 2.0398 FC3 -.1489 BSP 20653
 BDE 3.4698 BRA 5.7667 BC3 1.4093 FSP -620

MID-COURSE EXECUTION ACCURACY

SGT 6338.6 SGR 417.4 SG3 181.4
 RRT -.3861 RRF -.3905 RTF .9763
 SGB 6352.4 R23 .0131 R13 -.9763
 SG1 6340.7 SG2 384.9 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 3261.3 SR 414.9 SS 956.2
 CRT -.8671 CRS .8440 CST -.9989
 LSA 3417.3 MSA 210.8 SSA 12.4
 EL1 3281.2 EL2 205.4 ALF 173.68

LAUNCH DATE JUN 5 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 616.646

RL 151.78 LAL -0.00 LOL 253.67 VL 26.019 GAL 13.57 AZL 93.48 HCA 298.04 SMA 123.83 ECC .32128 INC 3.4760 V1 29.353
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.276 GAP 17.26 AZP 91.64 TAL 146.65 TAP 84.69 RCA 84.05 APO 163.62 V2 35.139
 RC 169.783 GL -12.09 GP -.60 ZAL 36.76 ZAP 177.50 ETS 344.52 ZAE 123.31 ETE 180.75 ZAC 72.01 ETC 13.59 CLP-177.58

PLANETOCENTRIC CONIC

C3 53.633 VHL 7.323 DLA -25.80 RAL 212.02 RAD 6568.9 VEL 13.229 PTH 2.42 VHP 10.862 DPA -3.37 RAP 193.97 ECC 1.8827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 52 24 1481.91 2.35 358.90 91.45 118.23 13 17 6 881.9 6.11 352.23
 90.00 16 21 26 793.80 21.89 317.93 100.01 108.43 16 34 40 193.8 24.20 310.02
 100.00 13 47 37 1303.62 -.38 344.28 89.93 119.89 14 9 20 703.6 3.60 337.76
 100.00 18 8 54 5735.36 24.86 271.38 101.05 107.15 19 44 30 5135.4 26.98 263.22
 110.00 14 8 32 1237.97 -6.06 335.78 86.41 123.71 14 29 10 638.0 -1.59 329.55
 110.00 20 4 29 5373.77 31.30 245.98 103.12 104.51 21 34 2 4773.8 32.97 237.16

DIFFERENTIAL CORRECTIONS

TDE-3.5354 TRA 6.2233 TC3-1.2165 BAU .8724
 RDE .5279 RRA -.0061 RC3 -.0259 FAU .00640
 FDE-1.0722 FRA 2.0800 FC3 -.1033 BSP 20708
 BDE 3.5746 BRA 6.2233 BC3 1.2167 FSP -591

MID-COURSE EXECUTION ACCURACY

SGT 6330.2 SGR 414.8 SG3 172.7
 RRT -.4204 RRF -.4227 RTF .9774
 SGB 6343.8 R23 .0114 R13 -.9774
 SG1 6332.6 SG2 376.2 THA 178.42

ORBIT DETERMINATION ACCURACY

ST 3207.1 SR 413.0 SS 937.5
 CRT -.8644 CRS .8419 CST -.9990
 LSA 3360.1 MSA 211.3 SSA 12.0
 EL1 3227.0 EL2 206.4 ALF 173.62

LAUNCH DATE JUN 6 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 15 1967

HELIOCENTRIC CONIC

DISTANCE 151.382

RL 151.81 LAL -0.00 LOL 254.62 VL 20.910 GAL 5.41 AZL 93.33 HCA 57.68 SMA 101.21 ECC .50654 INC 3.3264 V1 29.349
 RP 108.94 LAP -2.81 LOP 312.26 VP 33.543 GAP -30.15 AZP 91.78 TAL 174.68 TAP 232.36 RCA 49.94 APO 152.48 V2 34.784
 RC 47.750 GL -7.87 GP .20 ZAL 78.62 ZAP 18.94 ETS 181.48 ZAE 164.55 ETE 140.16 ZAC 113.31 ETC 16.50 CLP 18.94

PLANETOCENTRIC CONIC

C3 77.877 VHL 8.825 DLA -5.67 RAL 173.30 RAD 6569.5 VEL 14.115 PTH 2.57 VHP 17.804 DPA 14.29 RAP 154.53 ECC 2.2817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 53 2372.63 -23.06 51.75 56.13 106.90 7 21 26 1772.6 -20.53 43.99
 90.00 17 15 9 5370.03 27.82 245.40 61.05 84.52 18 44 39 4770.0 26.77 236.89
 100.00 8 0 33 2118.88 -24.49 32.61 55.65 107.71 8 35 52 1518.9 -21.83 24.81
 100.00 18 39 11 5099.01 29.31 225.29 60.88 83.82 20 4 10 4499.0 28.14 216.68
 110.00 9 2 39 1924.46 -28.31 16.39 54.19 110.01 9 34 43 1324.5 -25.32 8.49
 110.00 19 53 34 4866.20 33.31 207.03 60.29 81.86 21 14 41 4266.2 31.83 198.11

DIFFERENTIAL CORRECTIONS

TDE .4824 TRA-1.1145 TC3 -.0566 BAU .0778
 RDE -.6009 RRA -.2905 RC3 .0488 FAU .01644
 FDE -.3170 FRA .4589 FC3 -.1827 BSP 2132
 BDE .7706 BRA 1.1518 BC3 .0747 FSP -89

MID-COURSE EXECUTION ACCURACY

SGT 798.0 SGR 442.2 SG3 42.0
 RRT .0200 RRF -.0196 RTF -.6447
 SGB 912.4 R23 -.0011 R13 -.6447
 SG1 798.1 SG2 442.1 THA .92

ORBIT DETERMINATION ACCURACY

ST 381.7 SR 394.3 SS 345.8
 CRT -.7296 CRS -.8482 CST .9794
 LSA 613.9 MSA 208.8 SSA 14.2
 EL1 510.4 EL2 201.7 ALF 133.73

LAUNCH DATE JUN 6 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 157.751

RL 151.81 LAL -0.00 LOL 254.62 VL 21.419 GAL 5.16 AZL 93.33 HCA 60.84 SMA 102.90 ECC .48176 INC 3.3342 V1 29.349
 RP 108.94 LAP -2.91 LOP 315.42 VP 33.864 GAP -28.62 AZP 91.63 TAL 174.40 TAP 235.24 RCA 53.33 APO 152.48 V2 34.785
 RC 46.594 GL -8.58 GP .21 ZAL 78.25 ZAP 17.34 ETS 181.47 ZAE 165.82 ETE 133.24 ZAC 111.80 ETC 16.23 CLP 17.34

PLANETOCENTRIC CONIC

C3 69.236 VHL 8.321 DLA -6.48 RAL 173.38 RAD 6569.3 VEL 13.805 PTH 2.52 VHP 16.974 DPA 13.76 RAP 156.04 ECC 2.1395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 48 21 2319.66 -21.97 48.25 54.03 108.33 7 27 1 1719.7 -19.26 40.62
 90.00 17 9 18 5367.99 27.81 245.25 59.43 84.44 18 38 46 4768.0 26.75 236.74
 100.00 8 6 36 2067.20 -23.37 29.17 53.52 109.19 8 41 4 1467.2 -20.54 21.52
 100.00 18 33 44 5095.69 29.28 225.05 59.26 83.70 19 58 40 4495.7 28.10 216.44
 110.00 9 7 48 1875.62 -27.13 13.09 51.97 111.64 9 39 3 1275.6 -23.94 5.37
 110.00 19 49 2 4860.03 33.25 206.56 58.66 81.59 21 10 2 4260.0 31.73 197.66

DIFFERENTIAL CORRECTIONS

TDE .4804 TRA-1.1001 TC3 -.0497 BAU .0691
 RDE -.5698 RRA -.2749 RC3 .0557 FAU .01698
 FDE -.3338 FRA .4703 FC3 -.2123 BSP 2226
 BDE .7453 BRA 1.1340 BC3 .0747 FSP -100

MID-COURSE EXECUTION ACCURACY

SGT 835.2 SGR 445.9 SG3 46.0
 RRT .0209 RRF -.0196 RTF -.6636
 SGB 946.8 R23 -.0002 R13 -.6636
 SG1 835.3 SG2 445.8 THA .90

ORBIT DETERMINATION ACCURACY

ST 402.2 SR 396.5 SS 366.6
 CRT -.7319 CRS -.8531 CST .9784
 LSA 638.8 MSA 212.3 SSA 14.4
 EL1 525.6 EL2 206.7 ALF 135.55

LAUNCH DATE JUN 6 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 164.173

RL 151.81 LAL -0.00 LOL 254.62 VL 21.892 GAL 4.89 AZL 93.34 HCA 64.00 SMA 104.56 ECC .45815 INC 3.3416 V1 29.349
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.166 GAP -27.77 AZP 91.47 TAL 174.17 TAP 238.17 RCA 56.66 APO 152.47 V2 34.786
 RC 45.578 GL -9.32 GP .22 ZAL 77.99 ZAP 15.75 ETS 181.49 ZAE 166.96 ETE 124.62 ZAC 110.29 ETC 15.98 CLP 15.75

PLANETOCENTRIC CONIC

C3 61.629 VHL 7.850 DLA -7.28 RAL 173.34 RAD 6569.1 VEL 13.527 PTH 2.47 VHP 16.178 DPA 13.21 RAP 157.55 ECC 2.0143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 22 2266.39 -20.79 44.79 51.86 109.67 7 32 8 1666.4 -17.92 37.29
 90.00 17 3 1 5365.45 27.79 245.06 57.66 84.35 18 32 27 4765.4 26.72 236.56
 100.00 8 12 13 2015.23 -22.17 25.78 51.31 110.58 8 45 48 1415.2 -19.17 18.27
 100.00 18 27 51 5091.84 29.25 224.77 57.48 83.55 19 52 43 4491.8 28.05 216.17
 110.00 9 12 30 1826.51 -25.85 9.84 49.70 113.19 9 42 56 1226.5 -22.49 2.30
 110.00 19 44 4 4853.33 33.19 206.04 56.87 81.29 21 4 57 4253.3 31.63 197.16

DIFFERENTIAL CORRECTIONS

TDE .4811 TRA-1.0823 TC3 -.0386 BAU .0612
 RDE -.5396 RRA -.2595 RC3 .0634 FAU .01759
 FDE -.3520 FRA .4809 FC3 -.2470 BSP 2377
 BDE .7229 BRA 1.1130 BC3 .0742 FSP -112

MID-COURSE EXECUTION ACCURACY

SGT 872.4 SGR 448.8 SG3 50.5
 RRT .0198 RRF -.0191 RTF -.6833
 SGB 981.1 R23 -.0007 R13 -.6834
 SG1 872.5 SG2 448.7 THA .79

ORBIT DETERMINATION ACCURACY

ST 424.7 SR 398.0 SS 388.8
 CRT -.7372 CRS -.8585 CST .9779
 LSA 666.1 MSA 214.6 SSA 14.7
 EL1 542.6 EL2 210.5 ALF 137.52

LAUNCH DATE JUN 6 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 170.645

RL 151.81 LAL -0.00 LOL 254.62 VL 22.330 GAL 4.61 AZL 93.35 HCA 67.16 SMA 106.19 ECC .43570 INC 3.3485 V1 29.349
 RP 108.93 LAP -3.09 LOP 321.75 VP 34.451 GAP -25.79 AZP 91.30 TAL 173.98 TAP 241.15 RCA 59.92 APO 152.45 V2 34.788
 RC 44.711 GL -10.10 GP .23 ZAL 77.83 ZAP 14.16 ETS 181.53 ZAE 167.84 ETE 114.09 ZAC 108.77 ETC 15.74 CLP 14.16

PLANETOCENTRIC CONIC

C3 54.932 VHL 7.412 DLA -8.07 RAL 173.20 RAD 6569.0 VEL 13.277 PTH 2.43 VHP 15.413 DPA 12.65 RAP 159.06 ECC 1.9040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 59 55 2212.99 -19.53 41.38 49.62 110.92 7 36 48 1613.0 -16.51 34.01
 90.00 16 56 17 5362.57 27.77 244.86 55.75 84.25 18 25 39 4762.6 26.69 236.36
 100.00 8 17 22 1963.14 -20.88 22.44 49.05 111.89 8 50 5 1363.1 -17.73 15.07
 100.00 18 21 31 5087.65 29.22 224.46 55.57 83.39 19 46 19 4487.7 28.00 215.87
 110.00 9 16 43 1777.30 -24.49 6.66 47.37 114.63 9 46 21 1177.3 -20.96 359.29
 110.00 19 38 39 4846.26 33.11 205.51 54.95 80.98 20 59 25 4246.3 31.51 196.65

DIFFERENTIAL CORRECTIONS

TDE .4823 TRA-1.0639 TC3 -.0240 BAU .0557
 RDE -.5103 RRA -.2445 RC3 .0719 FAU .01826
 FDE -.3716 FRA .4911 FC3 -.2877 BSP 2527
 BDE .7021 BRA 1.0916 BC3 .0758 FSP -125

MID-COURSE EXECUTION ACCURACY

SGT 911.2 SGR 451.0 SG3 55.4
 RRT .0187 RRF -.0184 RTF -.7022
 SGB 1016.7 R23 -.0010 R13 -.7022
 SG1 911.2 SG2 450.9 THA .70

ORBIT DETERMINATION ACCURACY

ST 448.4 SR 398.6 SS 412.4
 CRT -.7429 CRS -.8642 CST .9774
 LSA 695.1 MSA 216.1 SSA 15.0
 EL1 560.8 EL2 213.4 ALF 139.51

LAUNCH DATE JUN 6 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 177.162

RL 151.81 LAL -.00 LOL 254.62 VL 22.737 GAL 4.32 AZL 93.36 HCA 70.33 SMA 107.77 ECC .41441 INC 3.3552 V1 29.349
 RP 108.92 LAP -3.16 LOP 324.92 VP 34.718 GAP -24.48 AZP 91.13 TAL 173.85 TAP 244.17 RCA 63.11 APO 152.42 V2 34.791
 RC 44.000 GL -10.92 GP .24 ZAL 77.79 ZAP 12.56 ETS 181.60 ZAE 168.32 ETE 101.85 ZAC 107.25 ETC 15.51 CLP 12.56

PLANETOCENTRIC CONIC

C3 49.036 VHL 7.003 DLA -8.85 RAL 172.93 RAD 6568.8 VEL 13.054 PTH 2.38 VHP 14.678 DPA 12.09 RAP 160.56 ECC 1.8070
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 1 2159.64 -18.20 38.03 47.32 112.08 7 41 1 1559.6 -15.05 30.78
 90.00 16 49 5 5359.55 27.75 244.64 53.71 84.14 18 18 24 4759.5 26.65 236.14
 100.00 8 22 3 1911.13 -19.53 19.18 46.74 113.09 8 53 54 1311.1 -16.23 11.93
 100.00 18 14 44 5083.29 29.18 224.14 53.53 83.23 19 39 27 4483.3 27.94 215.56
 110.00 9 20 28 1728.19 -23.06 3.56 45.01 115.96 9 49 17 1128.2 -19.38 356.36
 110.00 19 32 48 4839.00 33.03 204.95 52.90 80.66 20 53 27 4239.0 31.39 196.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4842 TRA-1.0440 TC3 -.0049 BAU .0533 SGT 951.0 SGR 452.3 SG3 60.9 ST 473.5 SR 398.4 SS 437.4
 RDE -.4819 RRA -.2297 RC3 .0812 FAU .01901 RRT .0174 RRF -.0175 RTF -.7203 CRT -.7495 CRS -.8701 CST .9771
 FDE -.3928 FRA .5008 FC3 -.3357 BSP 2684 SGB 1053.1 R23 -.0014 R13 -.7204 LSA 726.0 MSA 216.8 SSA 15.2
 BDE .6831 BRA 1.0690 BC3 .0813 FSP -140 SG1 951.0 SG2 452.2 THA .61 EL1 580.2 EL2 215.2 ALF 141.52

LAUNCH DATE JUN 6 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 183.719

RL 151.81 LAL -.00 LOL 254.62 VL 23.114 GAL 4.03 AZL 93.36 HCA 73.49 SMA 109.30 ECC .39427 INC 3.3616 V1 29.349
 RP 108.91 LAP -3.22 LOP 328.09 VP 34.970 GAP -23.22 AZP 90.96 TAL 173.76 TAP 247.25 RCA 66.21 APO 152.39 V2 34.795
 RC 43.455 GL -11.78 GP .25 ZAL 77.87 ZAP 10.97 ETS 181.73 ZAE 168.28 ETE 88.73 ZAC 105.74 ETC 15.30 CLP 10.96

PLANETOCENTRIC CONIC

C3 43.848 VHL 6.622 DLA -9.62 RAL 172.55 RAD 6568.7 VEL 12.854 PTH 2.34 VHP 13.973 DPA 11.52 RAP 162.05 ECC 1.7216
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 38 2106.55 -16.81 34.76 44.98 113.13 7 44 45 1506.6 -13.53 27.61
 90.00 16 41 24 5356.54 27.73 244.42 51.56 84.03 18 10 41 4756.5 26.62 235.93
 100.00 8 26 15 1859.39 -18.11 15.98 44.38 114.19 8 57 14 1259.4 -14.70 8.86
 100.00 18 7 29 5078.93 29.15 223.82 51.38 83.06 19 32 7 4478.9 27.88 215.25
 110.00 9 23 44 1679.38 -21.58 .55 42.61 117.18 9 51 43 1079.4 -17.76 353.50
 110.00 19 26 29 4831.71 32.95 204.40 50.73 80.34 20 47 0 4231.7 31.27 195.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4867 TRA-1.0230 TC3 .0190 BAU .0546 SGT 991.9 SGR 452.8 SG3 66.9 ST 499.8 SR 397.4 SS 463.9
 RDE -.4546 RRA -.2154 RC3 .0912 FAU .01985 RRT .0160 RRF -.0166 RTF -.7376 CRT -.7568 CRS -.8763 CST .9769
 FDE -.4158 FRA .5098 FC3 -.3919 BSP 2842 SGB 1090.4 R23 -.0017 R13 -.7376 LSA 758.8 MSA 216.8 SSA 15.5
 BDE .6659 BRA 1.0454 BC3 .0932 FSP -156 SG1 992.0 SG2 452.8 THA .53 EL1 600.9 EL2 216.1 ALF 143.50

LAUNCH DATE JUN 6 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 190.310

RL 151.81 LAL -.00 LOL 254.62 VL 23.462 GAL 3.74 AZL 93.37 HCA 76.65 SMA 110.78 ECC .37525 INC 3.3677 V1 29.349
 RP 108.90 LAP -3.28 LOP 331.26 VP 35.205 GAP -22.02 AZP 90.78 TAL 173.73 TAP 250.39 RCA 69.21 APO 152.35 V2 34.799
 RC 43.079 GL -12.68 GP .26 ZAL 78.05 ZAP 9.36 ETS 181.95 ZAE 167.68 ETE 75.97 ZAC 104.23 ETC 15.10 CLP 9.36

PLANETOCENTRIC CONIC

C3 39.284 VHL 6.268 DLA -10.38 RAL 172.05 RAD 6568.5 VEL 12.675 PTH 2.30 VHP 13.294 DPA 10.95 RAP 163.52 ECC 1.6465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 46 2053.93 -15.37 31.56 42.60 114.08 7 48 0 1453.9 -11.99 24.51
 90.00 16 33 16 5353.71 27.71 244.21 49.30 83.93 18 2 29 4753.7 26.58 235.73
 100.00 8 29 57 1808.14 -16.66 12.88 41.99 115.19 9 0 5 1208.1 -13.13 5.86
 100.00 17 59 45 5074.74 29.11 223.51 49.12 82.90 19 24 20 4474.7 27.83 214.95
 110.00 9 26 29 1631.09 -20.05 357.64 40.19 118.28 9 53 41 1031.1 -16.11 350.73
 110.00 19 19 42 4824.55 32.87 203.86 48.46 80.03 20 40 7 4224.6 31.14 195.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4903 TRA-1.0004 TC3 .0488 BAU .0594 SGT 1033.9 SGR 452.5 SG3 73.5 ST 527.9 SR 395.5 SS 492.4
 RDE -.4283 RRA -.2016 RC3 .1021 FAU .02079 RRT .0140 RRF -.0152 RTF -.7542 CRT -.7653 CRS -.8828 CST .9768
 FDE -.4411 FRA .5182 FC3 -.4581 BSP 3015 SGB 1128.6 R23 -.0022 R13 -.7542 LSA 794.2 MSA 215.8 SSA 15.8
 BDE .6510 BRA 1.0205 BC3 .1132 FSP -175 SG1 1034.0 SG2 452.4 THA .43 EL1 623.4 EL2 215.6 ALF 145.47

LAUNCH DATE JUN 6 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 196.931

RL 151.81 LAL -.00 LOL 254.62 VL 23.785 GAL 3.45 AZL 93.37 HCA 79.82 SMA 112.21 ECC .35734 INC 3.3738 V1 29.349
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.426 GAP -20.87 AZP 90.60 TAL 173.76 TAP 253.58 RCA 72.11 APO 152.31 V2 34.804
 RC 42.876 GL -13.61 GP .28 ZAL 78.36 ZAP 7.74 ETS 182.31 ZAE 166.58 ETE 64.65 ZAC 102.73 ETC 14.91 CLP 7.74

PLANETOCENTRIC CONIC

C3 35.273 VHL 5.939 DLA -11.13 RAL 171.42 RAD 6568.4 VEL 12.516 PTH 2.27 VHP 12.642 DPA 10.38 RAP 164.98 ECC 1.5805
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 24 2002.01 -13.91 28.45 40.19 114.92 7 50 46 1402.0 -10.43 21.50
 90.00 16 24 39 5351.21 27.69 244.03 46.95 83.84 17 53 50 4751.2 26.55 235.55
 100.00 8 33 9 1757.61 -15.17 9.86 39.57 116.07 9 2 27 1157.6 -11.54 2.95
 100.00 17 51 35 5070.84 29.08 223.23 46.77 82.76 19 16 6 4470.8 27.77 214.67
 110.00 9 28 44 1583.54 -18.49 354.84 37.75 119.28 9 55 8 983.5 -14.45 348.05
 110.00 19 12 29 4817.68 32.79 203.34 46.10 79.74 20 32 47 4217.7 31.02 194.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4941 TRA -.9768 TC3 .0846 BAU .0668 SGT 1076.9 SGR 451.3 SG3 80.9 ST 557.0 SR 392.8 SS 522.5
 RDE -.4031 RRA -.1883 RC3 .1137 FAU .02182 RRT .0123 RRF -.0139 RTF -.7698 CRT -.7740 CRS -.8893 CST .9768
 FDE -.4686 FRA .5261 FC3 -.5355 BSP 3175 SGB 1167.7 R23 -.0024 R13 -.7699 LSA 831.6 MSA 214.1 SSA 16.0
 BDE .6377 BRA .9948 BC3 .1417 FSP -195 SG1 1076.9 SG2 451.3 THA .36 EL1 647.1 EL2 214.1 ALF 147.36

LAUNCH DATE JUN 6 1967

FLIGHT TIME 86.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 203.578

RL 151.81 LAL -1.00 LOL 254.62 VL 24.084 GAL 3.16 AZL 93.38 HCA 82.98 SMA 113.58 ECC .34050 INC 3.3797 V1 29.349
 RP 108.87 LAP -3.35 LOP 337.60 VP 35.633 GAP -19.77 AZP 90.41 TAL 173.84 TAP 256.82 RCA 74.91 APO 152.26 V2 34.809
 RC 42.849 GL -14.57 GP .30 ZAL 78.78 ZAP 6.11 ETS 182.92 ZAE 165.10 ETE 55.21 ZAC 101.25 ETC 14.73 CLP 6.10

PLANETOCENTRIC CONIC

C3 31.752 VHL 5.635 DLA -11.86 RAL 170.68 RAD 6568.3 VEL 12.374 PTH 2.23 VHP 12.015 DPA 9.81 RAP 166.42 ECC 1.5226
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 31 1951.02 -12.43 25.44 37.75 115.65 7 53 2 1351.0 -8.87 18.56
 90.00 16 15 35 5349.15 27.68 243.89 44.52 83.77 17 44 44 4749.2 26.53 235.41
 100.00 8 35 50 1708.03 -13.66 6.95 37.12 116.85 9 4 18 1108.0 -9.95 .12
 100.00 17 42 57 5067.38 29.05 222.97 44.34 82.63 19 7 25 4467.4 27.73 214.42
 110.00 9 30 27 1536.97 -16.92 352.14 35.29 120.16 9 56 4 937.0 -12.78 345.47
 110.00 19 4 49 4811.20 32.71 202.85 43.66 79.46 20 25 1 4211.2 30.91 194.09

DIFFERENTIAL CORRECTIONS

TDE .4989 TRA -.9519 TC3 .1272 BAU .0760
 RDE -.3789 RRA -.1754 RC3 .1261 FAU .02299
 FDE -.4992 FRA .5331 FC3 -.6267 BSP 3337
 BDE .6265 BRA .9679 BC3 .1791 FSP -219

MID-COURSE EXECUTION ACCURACY

SGT 1120.8 SGR 449.3 SG3 89.1
 RRT .0102 RRF -.0123 RTF -.7845
 SGB 1207.5 R23 -.0028 R13 -.7845
 SG1 1120.8 SG2 449.3 THA .28

ORBIT DETERMINATION ACCURACY

ST 587.7 SR 389.2 SS 554.9
 CRT -.7836 CRS -.8960 CST .9769
 LSA 871.6 MSA 211.6 SSA 16.3
 EL1 672.5 EL2 211.3 ALF 149.21

LAUNCH DATE JUN 6 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 210.247

RL 151.81 LAL -1.00 LOL 254.62 VL 24.360 GAL 2.88 AZL 93.39 HCA 86.15 SMA 114.90 ECC .32473 INC 3.3855 V1 29.349
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.826 GAP -18.72 AZP 90.23 TAL 173.97 TAP 260.12 RCA 77.59 APO 152.21 V2 34.815
 RC 42.995 GL -15.57 GP .31 ZAL 79.31 ZAP 4.45 ETS 184.09 ZAE 163.35 ETE 47.59 ZAC 99.79 ETC 14.57 CLP 4.44

PLANETOCENTRIC CONIC

C3 28.663 VHL 5.354 DLA -12.57 RAL 169.81 RAD 6568.2 VEL 12.249 PTH 2.20 VHP 11.412 DPA 9.24 RAP 167.84 ECC 1.4717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 7 1901.20 -10.94 22.54 35.28 116.28 7 54 48 1301.2 -7.32 15.73
 90.00 16 6 6 5347.65 27.67 243.78 42.03 83.72 17 35 14 4747.6 26.51 235.30
 100.00 8 37 59 1659.64 -12.16 4.14 34.65 117.52 9 5 39 1059.6 -8.38 357.40
 100.00 17 33 55 5064.44 29.03 222.76 41.84 82.52 18 58 19 4464.4 27.69 214.21
 110.00 9 31 39 1491.60 -15.35 349.56 32.82 120.93 9 56 30 891.6 -11.13 342.99
 110.00 18 56 45 4805.24 32.63 202.40 41.17 79.20 20 16 50 4205.2 30.80 193.66

DIFFERENTIAL CORRECTIONS

TDE .5023 TRA -.9280 TC3 .1745 BAU .0855
 RDE -.3560 RRA -.1631 RC3 .1390 FAU .02426
 FDE -.5323 FRA .5400 FC3 -.7328 BSP 3457
 BDE .6156 BRA .9422 BC3 .2231 FSP -244

MID-COURSE EXECUTION ACCURACY

SGT 1165.9 SGR 446.4 SG3 98.2
 RRT .0097 RRF -.0111 RTF -.7967
 SGB 1248.4 R23 -.0021 R13 -.7967
 SG1 1165.9 SG2 446.4 THA .25

ORBIT DETERMINATION ACCURACY

ST 618.2 SR 384.7 SS 588.9
 CRT -.7920 CRS -.9026 CST .9767
 LSA 912.7 MSA 209.2 SSA 16.6
 EL1 697.8 EL2 208.1 ALF 150.93

LAUNCH DATE JUN 6 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 216.933

RL 151.81 LAL -1.00 LOL 254.62 VL 24.615 GAL 2.61 AZL 93.39 HCA 89.32 SMA 116.15 ECC .30997 INC 3.3913 V1 29.349
 RP 108.83 LAP -3.39 LOP 343.94 VP 36.007 GAP -17.70 AZP 90.04 TAL 174.16 TAP 263.48 RCA 80.15 APO 152.16 V2 34.822
 RC 43.312 GL -16.59 GP .33 ZAL 79.95 ZAP 2.77 ETS 186.86 ZAE 161.47 ETE 41.51 ZAC 98.35 ETC 14.41 CLP 2.75

PLANETOCENTRIC CONIC

C3 25.957 VHL 5.095 DLA -13.27 RAL 168.83 RAD 6568.0 VEL 12.138 PTH 2.18 VHP 10.833 DPA 8.68 RAP 169.23 ECC 1.4272
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 25 11 1852.80 -9.47 19.74 32.81 116.81 7 56 4 1252.8 -5.79 12.99
 90.00 15 56 13 5346.73 27.66 243.71 39.48 83.69 17 25 20 4746.7 26.50 235.24
 100.00 8 39 37 1612.68 -10.67 1.46 32.17 118.09 9 6 29 1012.7 -6.83 354.77
 100.00 17 24 28 5062.09 29.00 222.59 39.29 82.43 18 48 51 4462.1 27.65 214.05
 110.00 9 32 18 1447.67 -13.79 347.10 30.34 121.59 9 56 25 847.7 -9.52 340.62
 110.00 18 48 17 4799.86 32.56 202.00 38.62 78.97 20 8 17 4199.9 30.70 193.27

DIFFERENTIAL CORRECTIONS

TDE .5107 TRA -.8983 TC3 .2356 BAU .0974
 RDE -.3341 RRA -.1514 RC3 .1523 FAU .02574
 FDE -.5704 FRA .5450 FC3 -.8586 BSP 3666
 BDE .6103 BRA .9110 BC3 .2805 FSP -273

MID-COURSE EXECUTION ACCURACY

SGT 1210.3 SGR 442.6 SG3 108.4
 RRT .0056 RRF -.0089 RTF -.8115
 SGB 1288.7 R23 -.0036 R13 -.8115
 SG1 1210.3 SG2 442.6 THA .14

ORBIT DETERMINATION ACCURACY

ST 653.4 SR 379.4 SS 626.4
 CRT -.8045 CRS -.9097 CST .9776
 LSA 959.7 MSA 204.7 SSA 16.8
 EL1 728.0 EL2 202.3 ALF 152.67

LAUNCH DATE JUN 6 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 223.632

RL 151.81 LAL -1.00 LOL 254.62 VL 24.851 GAL 2.35 AZL 93.40 HCA 92.48 SMA 117.35 ECC .29621 INC 3.3970 V1 29.349
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.175 GAP -16.73 AZP 89.85 TAL 174.40 TAP 266.89 RCA 82.59 APO 152.11 V2 34.830
 RC 43.796 GL -17.63 GP .35 ZAL 80.70 ZAP 1.10 ETS 198.77 ZAE 159.53 ETE 36.64 ZAC 96.94 ETC 14.27 CLP 1.04

PLANETOCENTRIC CONIC

C3 23.590 VHL 4.857 DLA -13.94 RAL 167.74 RAD 6568.0 VEL 12.040 PTH 2.15 VHP 10.276 DPA 8.13 RAP 170.58 ECC 1.3882
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 43 1806.04 -8.02 17.07 30.32 117.25 7 56 49 1206.0 -4.30 10.36
 90.00 15 45 59 5346.46 27.66 243.69 36.90 83.68 17 15 5 4746.5 26.49 235.22
 100.00 8 40 42 1567.37 -9.20 358.89 29.69 118.57 9 6 49 967.4 -5.32 352.26
 100.00 17 14 42 5060.36 28.99 222.46 36.71 82.37 18 39 2 4460.4 27.63 213.92
 110.00 9 32 24 1405.39 -12.27 344.77 27.86 122.16 9 55 50 805.4 -7.94 338.36
 110.00 18 39 28 4795.10 32.50 201.64 36.03 78.77 19 59 23 4195.1 30.61 192.93

DIFFERENTIAL CORRECTIONS

TDE .5168 TRA -.8702 TC3 .3015 BAU .1085
 RDE -.3134 RRA -.1403 RC3 .1659 FAU .02738
 FDE -.6120 FRA .5496 FC3 -1.0048 BSP 3824
 BDE .6044 BRA .8814 BC3 .3442 FSP -306

MID-COURSE EXECUTION ACCURACY

SGT 1255.4 SGR 437.9 SG3 119.7
 RRT .0039 RRF -.0071 RTF -.8235
 SGB 1329.6 R23 -.0035 R13 -.8235
 SG1 1255.4 SG2 437.9 THA .09

ORBIT DETERMINATION ACCURACY

ST 687.3 SR 373.3 SS 665.7
 CRT -.8151 CRS -.9165 CST .9779
 LSA 1007.1 MSA 200.6 SSA 17.1
 EL1 757.1 EL2 196.3 ALF 154.27

LAUNCH DATE JUN 6 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 230.341

RL 151.81 LAL -.00 LOL 254.62 VL 25.067 GAL 2.09 AZL 93.40 HCA 95.65 SMA 118.48 ECC .28341 INC 3.4028 V1 29.349
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.332 GAP -15.80 AZP 89.66 TAL 174.70 TAP 270.35 RCA 84.90 APO 152.06 V2 34.834
 RC 44.440 GL -18.69 GP .38 ZAL 81.55 ZAP .81 ETS 332.07 ZAE 157.61 ETE 32.70 ZAC 95.56 ETC 14.14 CLP -.72

PLANETOCENTRIC CONIC

C3 21.523 VHL 4.639 DLA -14.58 RAL 166.55 RAD 6567.9 VEL 11.954 PTH 2.13 VHP 9.741 DPA 7.59 RAP 171.90 ECC 1.3542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 43 1761.16 -6.61 14.52 27.84 117.60 7 57 4 1161.2 -2.87 7.85
 90.00 15 35 28 5346.81 27.66 243.72 34.29 83.69 17 4 35 4746.8 26.50 235.24
 100.00 8 41 14 1523.95 -7.78 356.45 27.21 118.95 9 6 38 923.9 -3.86 349.86
 100.00 17 4 38 5059.26 28.98 222.38 34.10 82.32 18 28 57 4459.3 27.61 213.84
 110.00 9 31 59 1364.97 -10.80 342.57 25.38 122.63 9 54 44 765.0 -6.42 336.21
 110.00 18 30 22 4791.00 32.44 201.33 33.42 78.59 19 50 13 4191.0 30.53 192.64

DIFFERENTIAL CORRECTIONS

TDE .5249 TRA -.8366 TC3 .3798 BAU .1209
 RDE -.2938 RRA -.1297 RC3 .1796 FAU .02923
 FDE -.6586 FRA .5530 FC3-1.1755 BSP 4044
 BDE .6016 BRA .8466 BC3 .4201 FSP -343

MID-COURSE EXECUTION ACCURACY

SGT 1297.8 SGR 432.3 SG3 132.4
 RRT .0004 RRF -.0052 RTF -.8371
 SGB 1367.9 R23 -.0048 R13 -.8371
 SG1 1297.8 SG2 432.3 THA .01

ORBIT DETERMINATION ACCURACY

ST 723.1 SR 366.3 SS 708.0
 CRT -.8278 CRS -.9233 CST .9789
 LSA 1058.3 MSA 195.0 SSA 17.3
 EL1 788.4 EL2 188.5 ALF 155.78

LAUNCH DATE JUN 6 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 237.056

RL 151.81 LAL -.00 LOL 254.62 VL 25.267 GAL 1.84 AZL 93.41 HCA 98.83 SMA 119.56 ECC .27153 INC 3.4087 V1 29.349
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.478 GAP -14.90 AZP 89.48 TAL 175.04 TAP 273.87 RCA 87.09 APO 152.02 V2 34.846
 RC 45.237 GL -19.76 GP .41 ZAL 82.48 ZAP 2.55 ETS 350.59 ZAE 155.77 ETE 29.48 ZAC 94.23 ETC 14.03 CLP -2.52

PLANETOCENTRIC CONIC

C3 19.722 VHL 4.441 DLA -15.19 RAL 165.26 RAD 6567.8 VEL 11.879 PTH 2.11 VHP 9.228 DPA 7.07 RAP 173.18 ECC 1.3246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 10 1718.38 -5.26 12.11 25.36 117.86 7 56 49 1118.4 -1.49 5.46
 90.00 15 24 44 5347.75 27.67 243.78 31.67 83.72 16 53 52 4747.8 26.51 235.31
 100.00 8 41 15 1482.62 -6.41 354.15 24.73 119.26 9 5 57 882.6 -2.46 347.58
 100.00 16 54 21 5058.75 28.97 222.34 31.49 82.31 18 18 40 4458.8 27.61 213.81
 110.00 9 31 3 1326.61 -9.38 340.50 22.92 123.02 9 53 9 726.6 -4.97 334.19
 110.00 18 21 2 4787.52 32.40 201.07 30.81 78.45 19 40 50 4187.5 30.47 192.39

DIFFERENTIAL CORRECTIONS

TDE .5320 TRA -.8093 TC3 .4583 BAU .1311
 RDE -.2754 RRA -.1198 RC3 .1932 FAU .03129
 FDE -.7110 FRA .5555 FC3-1.3737 BSP 4163
 BDE .5991 BRA .8181 BC3 .4973 FSP -385

MID-COURSE EXECUTION ACCURACY

SGT 1344.4 SGR 425.8 SG3 146.7
 RRT -.0014 RRF -.0032 RTF -.8456
 SGB 1410.2 R23 .0045 R13 .8456
 SG1 1344.4 SG2 425.8 THA 179.97

ORBIT DETERMINATION ACCURACY

ST 759.4 SR 358.5 SS 753.2
 CRT -.8382 CRS -.9300 CST .9791
 LSA 1111.7 MSA 190.9 SSA 17.5
 EL1 820.0 EL2 181.1 ALF 157.24

LAUNCH DATE JUN 6 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 243.774

RL 151.81 LAL -.00 LOL 254.62 VL 25.450 GAL 1.61 AZL 93.41 HCA 102.00 SMA 120.56 ECC .26053 INC 3.4147 V1 29.349
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.614 GAP -14.03 AZP 89.29 TAL 175.42 TAP 277.42 RCA 89.15 APO 151.98 V2 34.856
 RC 46.178 GL -20.83 GP .44 ZAL 83.50 ZAP 4.40 ETS 353.97 ZAE 154.05 ETE 26.82 ZAC 92.94 ETC 13.92 CLP -4.37

PLANETOCENTRIC CONIC

C3 18.154 VHL 4.261 DLA -15.77 RAL 163.89 RAD 6567.7 VEL 11.813 PTH 2.09 VHP 8.734 DPA 6.57 RAP 174.41 ECC 1.2988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 28 6 1677.90 -3.96 9.84 22.90 118.06 7 56 4 1077.9 -1.8 3.20
 90.00 15 13 52 5349.22 27.68 243.89 29.05 83.77 16 43 1 4749.2 26.53 235.41
 100.00 8 40 44 1443.57 -5.11 351.98 22.27 119.49 9 4 47 843.6 -1.14 345.44
 100.00 16 43 56 5058.78 28.97 222.35 28.88 82.31 18 8 14 4458.8 27.61 213.81
 110.00 9 29 36 1290.47 -8.04 338.57 20.47 123.34 9 51 7 690.5 -3.60 332.29
 110.00 18 11 33 4784.65 32.36 200.86 28.20 78.33 19 31 17 4184.6 30.41 192.18

DIFFERENTIAL CORRECTIONS

TDE .5406 TRA -.7774 TC3 .5488 BAU .1423
 RDE -.2580 RRA -.1104 RC3 .2063 FAU .03365
 FDE -.7703 FRA .5565 FC3-1.6048 BSP 4336
 BDE .5989 BRA .7852 BC3 .5863 FSP -434

MID-COURSE EXECUTION ACCURACY

SGT 1388.2 SGR 418.4 SG3 162.7
 RRT -.0040 RRF -.0013 RTF -.8556
 SGB 1449.8 R23 .0051 R13 .8556
 SG1 1388.2 SG2 418.4 THA 179.92

ORBIT DETERMINATION ACCURACY

ST 796.7 SR 350.0 SS 801.9
 CRT -.8499 CRS -.9365 CST .9799
 LSA 1168.5 MSA 185.7 SSA 17.7
 EL1 853.0 EL2 172.3 ALF 158.61

LAUNCH DATE JUN 6 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 250.492

RL 151.81 LAL -.00 LOL 254.62 VL 25.618 GAL 1.38 AZL 93.42 HCA 105.17 SMA 121.51 ECC .25039 INC 3.4208 V1 29.349
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.740 GAP -13.20 AZP 89.10 TAL 175.85 TAP 281.02 RCA 91.09 APO 151.94 V2 34.865
 RC 47.255 GL -21.90 GP .47 ZAL 84.58 ZAP 6.31 ETS 355.32 ZAE 152.49 ETE 24.60 ZAC 91.71 ETC 13.83 CLP -6.29

PLANETOCENTRIC CONIC

C3 16.793 VHL 4.098 DLA -16.32 RAL 162.45 RAD 6567.7 VEL 11.755 PTH 2.07 VHP 8.261 DPA 6.09 RAP 175.59 ECC 1.2764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 32 1639.89 -2.74 7.71 20.47 118.19 7 54 51 1039.9 1.05 1.08
 90.00 15 2 58 5351.11 27.69 244.03 26.47 83.84 16 32 9 4751.1 26.55 235.55
 100.00 8 39 43 1406.97 -3.88 349.96 19.84 119.66 9 3 10 807.0 .10 343.43
 100.00 16 33 27 5059.27 28.98 222.38 26.29 82.32 17 57 47 4459.3 27.61 213.85
 110.00 9 27 41 1256.69 -6.77 336.77 18.06 123.59 9 48 38 656.7 -2.31 330.53
 110.00 18 1 58 4782.32 32.33 200.68 25.62 78.23 19 21 41 4182.3 30.37 192.02

DIFFERENTIAL CORRECTIONS

TDE .5485 TRA -.7449 TC3 .6438 BAU .1527
 RDE -.2416 RRA -.1017 RC3 .2187 FAU .03628
 FDE -.8366 FRA .5565 FC3-1.8703 BSP 4481
 BDE .5993 BRA .7518 BC3 .6799 FSP -487

MID-COURSE EXECUTION ACCURACY

SGT 1429.8 SGR 410.1 SG3 180.7
 RRT -.0062 RRF .0002 RTF -.8646
 SGB 1487.4 R23 .0056 R13 .8646
 SG1 1429.8 SG2 410.1 THA 179.89

ORBIT DETERMINATION ACCURACY

ST 833.3 SR 340.7 SS 853.4
 CRT -.8611 CRS -.9427 CST .9806
 LSA 1227.1 MSA 180.8 SSA 17.8
 EL1 885.4 EL2 163.1 ALF 159.89

LAUNCH DATE JUN 6 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC
 RL 151.81 LAL -.00 LOL 254.62 VL 25.772 GAL 1.17 AZL 93.43 HCA 108.35 SMA 122.40 ECC .24106 INC 3.4271 V1 29.349
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.858 GAP -12.40 AZP 88.92 TAL 176.30 TAP 284.66 RCA 92.89 APO 151.91 V2 34.875
 RC 48.458 GL -22.94 GP .51 ZAL 85.72 ZAP 8.29 ETS 356.01 ZAE 151.10 ETE 22.73 ZAC 90.54 ETC 13.74 CLP -8.27

PLANETOCENTRIC CONIC
 C3 15.614 VHL 3.951 DLA -16.83 RAL 160.96 RAD 6567.6 VEL 11.705 PTH 2.06 VHP 7.807 DPA 5.65 RAP 176.70 ECC 1.2570
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 26 28 1604.49 -1.60 5.73 18.08 118.28 7 53 12 1004.5 2.19 359.11
 90.00 14 52 6 5353.35 27.71 244.19 23.91 83.92 16 21 20 4753.3 26.58 235.70
 100.00 8 38 14 1372.93 -2.73 348.09 17.46 119.78 9 1 7 772.9 1.25 341.56
 100.00 16 23 2 5060.14 28.99 222.45 23.74 82.36 17 47 22 4460.1 27.63 213.91
 110.00 9 25 20 1225.37 -5.59 335.12 15.68 123.78 9 45 45 625.4 -1.11 328.89
 110.00 17 52 25 4780.47 32.30 200.55 23.08 78.15 19 12 5 4180.5 30.33 191.88

DIFFERENTIAL CORRECTIONS
 TDE .5559 TRA -.7119 TC3 .7441 BAU .1626
 RDE -.2261 RRA -.0935 RC3 .2302 FAU .03928
 FDE -.9109 FRA .5548 FC3-2.1778 BSP 4616
 BDE .6001 BRA .7180 BC3 .7789 FSP -547

MID-COURSE EXECUTION ACCURACY
 SGT 1469.2 SGR 400.9 SG3 201.0
 RRT -.0077 RRF .0009 RTF -.8727
 SGB 1522.9 R23 .0063 R13 .8727
 SGI 1469.2 SG2 400.8 THA 179.87

ORBIT DETERMINATION ACCURACY
 ST 868.7 SR 330.7 SS 907.7
 CRT -.8718 CRS -.9485 CST -1.9813
 LSA 1287.1 MSA 176.1 SSA 17.9
 EL1 916.8 EL2 153.5 ALF 161.09

LAUNCH DATE JUN 6 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC
 RL 151.81 LAL -.00 LOL 254.62 VL 25.913 GAL .97 AZL 93.43 HCA 111.53 SMA 123.23 ECC .23250 INC 3.4337 V1 29.349
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.966 GAP -11.62 AZP 88.74 TAL 176.79 TAP 288.32 RCA 94.58 APO 151.88 V2 34.886
 RC 49.776 GL -23.97 GP .55 ZAL 86.89 ZAP 10.35 ETS 356.41 ZAE 149.92 ETE 21.15 ZAC 89.45 ETC 13.66 CLP -10.34

PLANETOCENTRIC CONIC
 C3 14.595 VHL 3.820 DLA -17.29 RAL 159.43 RAD 6567.6 VEL 11.661 PTH 2.05 VHP 7.373 DPA 5.23 RAP 177.74 ECC 1.2402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 24 58 1571.79 -.55 3.91 15.74 118.31 7 51 9 971.8 3.24 357.28
 90.00 14 41 24 5355.81 27.73 244.37 21.42 84.01 16 10 40 4755.8 26.61 235.88
 100.00 8 36 19 1341.54 -1.67 346.36 15.12 119.85 8 58 41 741.5 2.32 339.84
 100.00 16 12 44 5061.29 29.00 222.53 21.25 82.40 17 37 5 4461.3 27.64 213.99
 110.00 9 22 35 1196.57 -4.50 333.61 13.36 123.92 9 42 32 596.6 -.01 327.39
 110.00 17 42 57 4779.03 32.28 200.44 20.59 78.09 19 2 36 4179.0 30.30 191.78

DIFFERENTIAL CORRECTIONS
 TDE .5624 TRA -.6799 TC3 .8457 BAU .1716
 RDE -.2116 RRA -.0859 RC3 .2406 FAU .04264
 FDE -.9948 FRA .5531 FC3-2.5291 BSP 4737
 BDE .6009 BRA .6853 BC3 .8792 FSP -616

MID-COURSE EXECUTION ACCURACY
 SGT 1506.5 SGR 390.8 SG3 223.9
 RRT -.0080 RRF .0008 RTF -.8799
 SGB 1556.3 R23 .0067 R13 .8799
 SGI 1506.5 SG2 390.8 THA 179.87

ORBIT DETERMINATION ACCURACY
 ST 902.5 SR 319.9 SS 965.4
 CRT -.8817 CRS -.9539 CST .9819
 LSA 1348.7 MSA 172.0 SSA 17.9
 EL1 946.6 EL2 143.9 ALF 162.22

LAUNCH DATE JUN 6 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC
 RL 151.81 LAL -.00 LOL 254.62 VL 26.042 GAL .78 AZL 93.44 HCA 114.71 SMA 124.00 ECC .22468 INC 3.4405 V1 29.349
 RP 108.59 LAP -3.13 LOP 9.37 VP 37.067 GAP -10.88 AZP 88.56 TAL 177.30 TAP 292.01 RCA 96.14 APO 151.85 V2 34.897
 RC 51.201 GL -24.96 GP .60 ZAL 88.08 ZAP 12.50 ETS 356.66 ZAE 148.96 ETE 19.83 ZAC 88.44 ETC 13.60 CLP -12.49

PLANETOCENTRIC CONIC
 C3 13.717 VHL 3.704 DLA -17.72 RAL 157.88 RAD 6567.5 VEL 11.623 PTH 2.04 VHP 6.957 DPA 4.86 RAP 178.70 ECC 1.2258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 23 4 1541.83 .42 2.24 13.47 118.31 7 48 46 941.8 4.20 355.60
 90.00 14 30 57 5358.41 27.75 244.56 19.00 84.10 16 0 15 4758.4 26.64 236.06
 100.00 8 34 2 1312.84 -.69 344.79 12.85 119.89 8 55 55 712.8 3.29 338.26
 100.00 16 2 40 5062.64 29.01 222.63 18.83 82.45 17 27 2 4462.6 27.66 214.09
 110.00 9 19 31 1170.31 -3.50 332.23 11.10 124.03 9 39 2 570.3 .99 326.02
 110.00 17 33 40 4777.93 32.26 200.36 18.18 78.04 18 53 18 4177.9 30.28 191.70

DIFFERENTIAL CORRECTIONS
 TDE .5700 TRA -.6453 TC3 .9522 BAU .1805
 RDE -.1978 RRA -.0789 RC3 .2497 FAU .04654
 FDE -1.0913 FRA .5477 FC3-2.9374 BSP 4887
 BDE .6033 BRA .6501 BC3 .9844 FSP -697

MID-COURSE EXECUTION ACCURACY
 SGT 1540.5 SGR 379.8 SG3 250.0
 RRT -.0085 RRF .0001 RTF -.8872
 SGB 1586.7 R23 .0080 R13 .8872
 SGI 1540.5 SG2 379.8 THA 179.87

ORBIT DETERMINATION ACCURACY
 ST 936.4 SR 308.4 SS 1028.1
 CRT -.8919 CRS -.9590 CST .9827
 LSA 1414.4 MSA 167.7 SSA 17.8
 EL1 976.7 EL2 133.7 ALF 163.31

LAUNCH DATE JUN 6 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC
 RL 151.81 LAL -.00 LOL 254.62 VL 26.158 GAL .61 AZL 93.45 HCA 117.89 SMA 124.71 ECC .21756 INC 3.4477 V1 29.349
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.160 GAP -10.15 AZP 88.39 TAL 177.82 TAP 295.71 RCA 97.58 APO 151.84 V2 34.908
 RC 52.722 GL -25.91 GP .66 ZAL 89.28 ZAP 14.76 ETS 356.82 ZAE 148.22 ETE 18.72 ZAC 87.53 ETC 13.54 CLP -14.75

PLANETOCENTRIC CONIC
 C3 12.963 VHL 3.600 DLA -18.11 RAL 156.33 RAD 6567.5 VEL 11.591 PTH 2.03 VHP 6.559 DPA 4.53 RAP 179.57 ECC 1.2133
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 51 1514.58 1.30 .72 11.28 118.29 7 46 5 914.6 5.07 354.07
 90.00 14 20 49 5361.10 27.76 244.75 16.67 84.20 15 50 10 4761.1 26.67 236.25
 100.00 8 31 27 1286.77 .19 343.36 10.67 119.89 8 52 53 686.8 4.17 336.83
 100.00 15 52 55 5064.14 29.02 222.74 16.50 82.51 17 17 19 4464.1 27.68 214.19
 110.00 9 16 12 1146.53 -2.59 330.99 8.93 124.10 9 35 19 546.5 1.90 324.78
 110.00 17 24 38 4777.14 32.25 200.30 15.85 78.01 18 44 15 4177.1 30.27 191.65

DIFFERENTIAL CORRECTIONS
 TDE .5729 TRA -.6137 TC3 1.0426 BAU .1861
 RDE -.1846 RRA -.0724 RC3 .2575 FAU .05071
 FDE -1.1973 FRA .5433 FC3-3.3869 BSP 4922
 BDE .6019 BRA .6179 BC3 1.0739 FSP -779

MID-COURSE EXECUTION ACCURACY
 SGT 1565.4 SGR 368.0 SG3 278.7
 RRT -.0071 RRF -.0022 RTF -.8917
 SGB 1608.0 R23 .0089 R13 .8917
 SGI 1565.4 SG2 368.0 THA 179.90

ORBIT DETERMINATION ACCURACY
 ST 962.6 SR 296.1 SS 1091.6
 CRT -.8999 CRS -.9634 CST .9831
 LSA 1476.0 MSA 165.0 SSA 17.6
 EL1 999.5 EL2 124.4 ALF 164.28

LAUNCH DATE JUN 6 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 283.995

RL 151.81 LAL -1.00 LOL 254.62 VL 26.264 GAL .44 AZL 93.46 HCA 121.08 SMA 125.36 ECC .21109 INC 3.4554 V1 29.349
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.245 GAP -9.46 AZP 88.21 TAL 178.34 TAP 299.42 RCA 98.90 APO 151.82 V2 34.920
 RC 54.330 GL -26.81 GP .73 ZAL 90.47 ZAP 17.14 ETS 356.92 ZAE 147.74 ETE 17.80 ZAC 86.73 ETC 13.49 CLP -17.12

PLANETOCENTRIC CONIC

C3 12.316 VHL 3.509 OLA -18.45 RAL 154.81 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 6.180 DPA 4.26 RAP 180.34 ECC 1.2027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 22 1489.99 2.09 359.35 9.19 118.25 7 43 12 890.0 5.85 352.69
 90.00 14 11 6 5363.80 27.78 244.94 14.44 84.29 15 40 30 4763.8 26.70 236.44
 100.00 8 28 37 1263.29 .99 342.07 8.57 119.88 8 49 40 663.3 4.96 335.53
 100.00 15 43 32 5065.73 29.04 222.85 14.27 82.57 17 7 58 4465.7 27.70 214.30
 110.00 9 12 42 1125.17 -1.77 329.87 6.85 124.14 9 31 27 525.2 2.72 323.67
 110.00 17 15 57 4776.61 32.25 200.26 13.63 77.99 18 35 33 4176.6 30.26 191.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5780 TRA -.5775 TC3 1.1428 BAU .1931 SGT 1588.0 SGR 355.4 SG3 312.0 ST 989.9 SR 283.0 SS 1162.0
 ROE -.1720 RRA -.0665 RC3 .2638 FAU .05570 RRT -.0050 RRF -.0060 RTF -.8979 CRT -.9090 CRS -.9677 CST .9839
 FDE-1.3213 FRA .5319 FC3-3.9152 BSP 5067 SGB 1627.3 R23 .0107 R13 .8979 LSA 1544.0 MSA 161.4 SSA 17.3
 BDE .6031 BRA .5813 BC3 1.1729 FSP -888 SG1 1588.0 SG2 355.4 THA 179.93 EL1 1023.3 EL2 114.1 ALF 165.24

LAUNCH DATE JUN 6 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 290.664

RL 151.81 LAL -1.00 LOL 254.62 VL 26.360 GAL .29 AZL 93.46 HCA 124.26 SMA 125.96 ECC .20525 INC 3.4636 V1 29.349
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.324 GAP -8.78 AZP 88.05 TAL 178.87 TAP 303.13 RCA 100.11 APO 151.81 V2 34.932
 RC 56.016 GL -27.67 GP .80 ZAL 91.63 ZAP 19.65 ETS 356.99 ZAE 147.51 ETE 17.06 ZAC 86.06 ETC 13.45 CLP -19.63

PLANETOCENTRIC CONIC

C3 11.763 VHL 3.430 OLA -18.77 RAL 153.32 RAD 6567.4 VEL 11.539 PTH 2.01 VHP 5.819 DPA 4.05 RAP 180.99 ECC 1.1936
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 44 1467.91 2.80 358.11 7.20 118.19 7 40 12 867.9 6.55 351.44
 90.00 14 1 52 5366.53 27.80 245.14 12.33 84.39 15 31 18 4766.5 26.73 236.64
 100.00 8 25 40 1242.24 1.70 340.91 6.59 119.85 8 46 22 642.2 5.66 334.36
 100.00 15 34 37 5067.43 29.05 222.98 12.17 82.63 16 59 4 4467.4 27.73 214.43
 110.00 9 9 7 1106.08 -1.04 328.87 4.87 124.17 9 27 33 506.1 3.45 322.67
 110.00 17 7 39 4776.36 32.24 200.24 11.53 77.98 18 27 15 4176.4 30.25 191.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5780 TRA -.5431 TC3 1.2301 BAU .1980 SGT 1600.8 SGR 341.9 SG3 349.5 ST 1007.7 SR 269.0 SS 1233.5
 ROE -.1598 RRA -.0610 RC3 .2690 FAU .06135 RRT .0019 RRF -.0142 RTF -.9022 CRT -.9162 CRS -.9714 CST .9843
 FDE-1.4584 FRA .5188 FC3-4.5154 BSP 5136 SGB 1636.9 R23 -.0124 R13 -.9022 LSA 1607.4 MSA 159.1 SSA 16.9
 BDE .5997 BRA .5465 BC3 1.2592 FSP -1005 SG1 1600.8 SG2 341.9 THA .02 EL1 1037.8 EL2 104.6 ALF 166.11

LAUNCH DATE JUN 6 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 297.319

RL 151.81 LAL -1.00 LOL 254.62 VL 26.447 GAL .15 AZL 93.47 HCA 127.45 SMA 126.51 ECC .19999 INC 3.4724 V1 29.349
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.397 GAP -8.13 AZP 87.89 TAL 179.38 TAP 306.84 RCA 101.21 APO 151.81 V2 34.945
 RC 57.772 GL -28.47 GP .89 ZAL 92.74 ZAP 22.30 ETS 357.04 ZAE 147.55 ETE 16.49 ZAC 85.52 ETC 13.41 CLP -22.29

PLANETOCENTRIC CONIC

C3 11.294 VHL 3.361 OLA -19.05 RAL 151.88 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 5.476 DPA 3.91 RAP 181.51 ECC 1.1859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 2 1448.11 3.44 357.01 5.33 118.12 7 37 10 848.1 7.17 350.32
 90.00 13 53 8 5369.35 27.82 245.35 10.36 84.49 15 22 37 4769.4 26.76 236.84
 100.00 8 22 40 1223.41 2.34 339.88 4.73 119.81 8 43 4 623.4 6.29 333.32
 100.00 15 26 11 5069.29 29.07 223.11 10.20 82.70 16 50 40 4469.3 27.75 214.56
 110.00 9 5 33 1089.06 -.39 327.99 3.02 124.18 9 23 42 489.1 4.09 321.78
 110.00 16 59 48 4776.40 32.24 200.24 9.57 77.98 18 19 24 4176.4 30.25 191.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5723 TRA -.5184 TC3 1.2833 BAU .1981 SGT 1603.2 SGR 327.7 SG3 390.7 ST 1015.6 SR 253.8 SS 1307.3
 ROE -.1478 RRA -.0559 RC3 .2733 FAU .06733 RRT .0130 RRF -.0264 RTF -.9027 CRT -.9202 CRS -.9740 CST .9841
 FDE-1.6111 FRA .5169 FC3-5.1617 BSP 5075 SGB 1636.3 R23 -.0141 R13 -.9027 LSA 1667.1 MSA 159.7 SSA 16.4
 BDE .5911 BRA .5214 BC3 1.3120 FSP -1125 SG1 1603.2 SG2 327.7 THA .16 EL1 1042.3 EL2 96.8 ALF 166.93

LAUNCH DATE JUN 6 1967

FLIGHT TIME 116.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 303.958

RL 151.81 LAL -1.00 LOL 254.62 VL 26.524 GAL .03 AZL 93.48 HCA 130.65 SMA 127.01 ECC .19527 INC 3.4821 V1 29.349
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.464 GAP -7.50 AZP 87.73 TAL 179.88 TAP 310.53 RCA 102.20 APO 151.81 V2 34.957
 RC 59.590 GL -29.21 GP .99 ZAL 93.79 ZAP 25.13 ETS 357.07 ZAE 147.87 ETE 16.11 ZAC 85.14 ETC 13.38 CLP -25.11

PLANETOCENTRIC CONIC

C3 10.895 VHL 3.301 OLA -19.30 RAL 150.52 RAD 6567.4 VEL 11.501 PTH 2.00 VHP 5.151 DPA 3.86 RAP 181.89 ECC 1.1793
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 23 1430.38 4.01 356.01 3.60 118.06 7 34 13 830.4 7.73 349.31
 90.00 13 44 56 5372.31 27.84 245.56 8.53 84.60 15 14 28 4772.3 26.80 237.05
 100.00 8 19 44 1206.58 2.91 338.95 2.99 119.76 8 39 50 606.6 6.85 332.38
 100.00 15 18 15 5071.34 29.09 223.26 8.37 82.78 16 42 47 4471.3 27.78 214.70
 110.00 9 2 4 1073.90 .19 327.20 1.29 124.18 9 19 58 473.9 4.67 320.98
 110.00 16 52 24 4776.78 32.25 200.27 7.75 77.99 18 12 1 4176.8 30.26 191.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5724 TRA -.4853 TC3 1.3581 BAU .2019 SGT 1608.7 SGR 312.9 SG3 439.9 ST 1029.4 SR 237.7 SS 1391.5
 ROE -.1359 RRA -.0512 RC3 .2767 FAU .07483 RRT .0269 RRF -.0433 RTF -.9066 CRT -.9265 CRS -.9768 CST .9846
 FDE-1.7929 FRA .4964 FC3-5.9462 BSP 4629 SGB 1638.8 R23 -.0180 R13 -.9067 LSA 1739.9 MSA 157.9 SSA 15.7
 BDE .5883 BRA .4880 BC3 1.3860 FSP -1184 SG1 1608.7 SG2 312.8 THA .31 EL1 1052.8 EL2 87.4 ALF 167.84

LAUNCH DATE JUN 6 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC DISTANCE 310.580
 RL 151.81 LAL -.00 LOL 254.62 VL 26.593 GAL -.08 AZL 93.49 HCA 133.84 SMA 127.45 ECC .19107 INC 3.4927 V1 29.349
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.525 GAP -6.89 AZP 87.58 TAL 180.35 TAP 314.19 RCA 103.10 APO 151.81 V2 34.970
 RC 61.464 GL -29.90 GP 1.11 ZAL 94.78 ZAP 28.15 ETS 357.10 ZAE 148.48 ETE 15.92 ZAC 84.94 ETC 13.36 CLP -28.13

PLANETOCENTRIC CONIC
 C3 10.560 VHL 3.250 DLA -19.54 RAL 149.24 RAD 6567.4 VEL 11.487 PTH 2.00 VHP 4.845 DPA 3.89 RAP 182.10 ECC 1.1738
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 51 1414.44 4.52 355.12 2.01 117.98 7 31 25 814.4 8.23 348.40
 90.00 13 37 15 5375.50 27.86 245.79 6.85 84.71 15 6 51 4775.5 26.83 237.28
 100.00 8 16 56 1191.49 3.42 338.12 1.40 119.71 8 36 48 591.5 7.35 331.54
 100.00 15 10 51 5073.69 29.11 223.44 6.69 82.87 16 35 25 4473.7 27.81 214.87
 110.00 8 58 46 1060.39 .70 326.49 359.71 124.18 9 16 27 460.4 5.18 320.27
 110.00 16 45 30 4777.55 32.26 200.33 6.08 78.03 18 5 8 4177.6 30.27 191.68

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .5716 TRA -.4383 TC3 1.4276 BAU .2054 SGT 1596.6 SGR 297.6 SG3 499.0 ST 1037.8 SR 220.0 SS 1493.8
 RDE -.1238 RRA -.0470 RC3 .2802 FAU .08393 RRT .0443 RRF -.0647 RTF -.9131 CRT -.9347 CRS -.9800 CST .9857
 FDE -2.0176 FRA .4463 FC3-6.8807 BSP 5406 SGB 1624.1 R23 -.0228 R13 -.9132 LSA 1825.7 MSA 153.4 SSA 15.0
 BDE .5849 BRA .4408 BC3 1.4548 FSP -1511 SG1 1596.6 SG2 297.3 THA .49 EL1 1058.1 EL2 76.7 ALF 168.73

LAUNCH DATE JUN 6 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC DISTANCE 317.185
 RL 151.81 LAL -.00 LOL 254.62 VL 26.655 GAL -.18 AZL 93.50 HCA 137.04 SMA 127.86 ECC .18735 INC 3.5045 V1 29.349
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.580 GAP -6.30 AZP 87.43 TAL 180.79 TAP 317.83 RCA 103.90 APO 151.81 V2 34.983
 RC 63.388 GL -30.54 GP 1.26 ZAL 95.68 ZAP 31.38 ETS 357.12 ZAE 149.39 ETE 15.95 ZAC 84.93 ETC 13.35 CLP -31.35

PLANETOCENTRIC CONIC
 C3 10.279 VHL 3.206 DLA -19.76 RAL 148.07 RAD 6567.4 VEL 11.475 PTH 1.99 VHP 4.557 DPA 4.04 RAP 182.13 ECC 1.1692
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 36 1399.88 4.98 354.30 .57 117.91 7 28 56 799.9 8.68 347.57
 90.00 13 30 6 5379.18 27.88 246.06 5.33 84.84 14 59 45 4779.2 26.87 237.54
 100.00 8 14 26 1177.75 3.88 337.37 359.96 119.66 8 34 4 577.7 7.80 330.77
 100.00 15 3 57 5076.55 29.13 223.65 5.18 82.97 16 28 33 4476.5 27.85 215.08
 110.00 8 55 47 1048.16 1.17 325.85 358.27 124.17 9 13 15 448.2 5.65 319.63
 110.00 16 39 5 4778.90 32.28 200.43 4.57 78.08 17 58 44 4178.9 30.30 191.77

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .5555 TRA -.4156 TC3 1.4163 BAU .1985 SGT 1559.9 SGR 281.9 SG3 558.7 ST 1021.0 SR 200.6 SS 1584.2
 RDE -.1114 RRA -.0430 RC3 .2842 FAU .09265 RRT .0736 RRF -.0989 RTF -.9099 CRT -.9357 CRS -.9810 CST .9851
 FDE -2.2455 FRA .4336 FC3-7.8028 BSP 5049 SGB 1585.2 R23 -.0297 R13 -.9099 LSA 1888.9 MSA 155.0 SSA 14.2
 BDE .5666 BRA .4178 BC3 1.4445 FSP -1662 SG1 1560.0 SG2 281.2 THA .79 EL1 1038.2 EL2 69.6 ALF 169.54

LAUNCH DATE JUN 6 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC DISTANCE 323.772
 RL 151.81 LAL -.00 LOL 254.62 VL 26.709 GAL -.27 AZL 93.52 HCA 140.23 SMA 128.21 ECC .18406 INC 3.5179 V1 29.349
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.631 GAP -5.73 AZP 87.29 TAL 181.20 TAP 321.43 RCA 104.61 APO 151.81 V2 34.996
 RC 65.357 GL -31.14 GP 1.43 ZAL 96.48 ZAP 34.84 ETS 357.15 ZAE 150.62 ETE 16.25 ZAC 85.14 ETC 13.35 CLP -34.81

PLANETOCENTRIC CONIC
 C3 10.046 VHL 3.170 DLA -19.97 RAL 146.99 RAD 6567.4 VEL 11.465 PTH 1.99 VHP 4.289 DPA 4.30 RAP 181.97 ECC 1.1653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 3 44 1386.36 5.41 353.54 359.28 117.84 7 26 51 786.4 9.10 346.80
 90.00 13 23 24 5383.52 27.91 246.37 3.99 85.00 14 53 8 4783.5 26.92 237.85
 100.00 8 12 19 1165.05 4.31 336.67 358.67 119.61 8 31 44 565.1 8.22 330.06
 100.00 14 57 30 5080.06 29.16 223.90 3.84 83.11 16 22 11 4480.1 27.90 215.33
 110.00 8 53 11 1036.97 1.60 325.27 356.99 124.15 9 10 28 437.0 6.07 319.04
 110.00 16 33 8 4780.91 32.31 200.58 3.24 78.17 17 52 49 4180.9 30.34 191.92

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .5360 TRA -.3918 TC3 1.3929 BAU .1911 SGT 1512.1 SGR 266.4 SG3 627.2 ST 995.3 SR 179.3 SS 1682.4
 RDE -.0984 RRA -.0394 RC3 .2893 FAU .10277 RRT .1161 RRF -.1473 RTF -.9069 CRT -.9356 CRS -.9815 CST .9845
 FDE -2.5065 FRA .4189 FC3-8.8559 BSP 5013 SGB 1535.4 R23 -.0390 R13 -.9071 LSA 1956.7 MSA 155.6 SSA 13.3
 BDE .5450 BRA .3938 BC3 1.4227 FSP -1911 SG1 1512.4 SG2 264.6 THA 1.21 EL1 1009.4 EL2 62.4 ALF 170.40

LAUNCH DATE JUN 6 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC DISTANCE 330.340
 RL 151.81 LAL -.00 LOL 254.62 VL 26.757 GAL -.34 AZL 93.53 HCA 143.43 SMA 128.53 ECC .18119 INC 3.5331 V1 29.349
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.677 GAP -5.17 AZP 87.16 TAL 181.56 TAP 324.99 RCA 105.24 APO 151.82 V2 35.009
 RC 67.365 GL -31.68 GP 1.63 ZAL 97.19 ZAP 38.55 ETS 357.18 ZAE 152.17 ETE 16.88 ZAC 85.58 ETC 13.37 CLP -38.52

PLANETOCENTRIC CONIC
 C3 9.856 VHL 3.139 DLA -20.19 RAL 146.03 RAD 6567.4 VEL 11.456 PTH 1.99 VHP 4.040 DPA 4.69 RAP 181.59 ECC 1.1622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 23 1373.45 5.82 352.81 358.16 117.76 7 25 16 773.5 9.49 346.06
 90.00 13 17 7 5388.80 27.94 246.76 2.82 85.19 14 46 56 4788.8 26.98 238.22
 100.00 8 10 42 1153.00 4.71 336.00 357.55 119.55 8 29 55 553.0 8.61 329.39
 100.00 14 51 29 5084.49 29.19 224.23 2.67 83.27 16 16 14 4484.5 27.96 215.64
 110.00 8 51 4 1026.46 2.00 324.72 355.86 124.13 9 8 11 426.5 6.47 318.48
 110.00 16 27 36 4783.79 32.35 200.79 2.08 78.29 17 47 20 4183.8 30.40 192.12

DIFFERENTIAL CORRECTIONS MID-COURSE EXECUTION ACCURACY ORBIT DETERMINATION ACCURACY
 TDE .5067 TRA -.3680 TC3 1.3336 BAU .1800 SGT 1438.2 SGR 251.7 SG3 702.2 ST 949.7 SR 155.8 SS 1780.7
 RDE -.0845 RRA -.0360 RC3 .2965 FAU .11400 RRT .1750 RRF -.2143 RTF -.9002 CRT -.9328 CRS -.9812 CST .9832
 FDE -2.7906 FRA .3930 FC3-10.0142 BSP 4675 SGB 1460.0 R23 -.0528 R13 -.9005 LSA 2018.0 MSA 156.8 SSA 12.4
 BDE .5137 BRA .3697 BC3 1.3662 FSP -2131 SG1 1438.9 SG2 247.7 THA 1.81 EL1 960.8 EL2 55.5 ALF 171.27

LAUNCH DATE JUN 6 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 336.889

RL 151.81 LAL -.00 LOL 254.62 VL 26.798 GAL -.41 AZL 93.55 HCA 146.64 SMA 128.81 ECC .17870 INC 3.5509 V1 29.349
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.719 GAP -4.63 AZP 87.03 TAL 181.87 TAP 328.50 RCA 105.79 APO 151.82 V2 35.023
 RC 69.409 GL -32.20 GP 1.87 ZAL 97.78 ZAP 42.53 ETS 357.23 ZAE 154.04 ETE 17.96 ZAC 86.28 ETC 13.41 CLP -42.50

PLANETOCENTRIC CONIC

C3 9.703 VHL 3.115 DLA -20.41 RAL 145.19 RAD 6567.3 VEL 11.450 PTH 1.99 VHP 3.811 DPA 5.23 RAP 180.98 ECC 1.1597
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 38 1360.74 6.22 352.10 357.20 117.68 7 24 19 760.7 9.88 345.33
 90.00 13 11 9 5395.33 27.98 247.23 1.82 85.42 14 41 4 4795.3 27.05 238.69
 100.00 8 9 40 1141.21 5.11 335.35 356.59 119.49 8 28 41 541.2 9.00 328.72
 100.00 14 45 48 5090.09 29.24 224.64 1.68 83.48 16 10 38 4490.1 28.03 216.04
 110.00 8 49 31 1016.33 2.39 324.19 354.90 124.11 9 6 27 416.3 6.85 317.95
 110.00 16 22 27 4787.74 32.40 201.09 1.10 78.46 17 42 15 4187.7 30.47 192.40

DIFFERENTIAL CORRECTIONS

TDE .4744 TRA -.3472 TC3 1.2354 BAU .1651
 RDE -.0695 RRA -.0328 RC3 .3067 FAU .12625
 FDE-3.1210 FRA .3692 FC-11.2647 BSP 4397
 BDE .4794 BRA .3488 BC3 1.2729 FSP -2414

MID-COURSE EXECUTION ACCURACY

SGT 1348.4 SGR 238.7 SG3 785.9
 RRT .2469 RRF -.3012 RTF -.8891
 SGB 1369.3 R23 -.0774 R13 -.8897
 SG1 1349.7 SG2 231.1 THA 2.58

ORBIT DETERMINATION ACCURACY

ST 896.5 SR 129.4 SS 1892.9
 CRT -.9262 CRS -.9791 CST .9815
 LSA 2032.5 MSA 157.9 SSA 11.4
 EL1 904.5 EL2 48.4 ALF 172.37

LAUNCH DATE JUN 6 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 343.419

RL 151.81 LAL -.00 LOL 254.62 VL 26.833 GAL -.45 AZL 93.57 HCA 149.84 SMA 129.04 ECC .17657 INC 3.5720 V1 29.349
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.756 GAP -4.11 AZP 86.91 TAL 182.12 TAP 331.97 RCA 106.26 APO 151.83 V2 35.036
 RC 71.485 GL -32.68 GP 2.17 ZAL 98.26 ZAP 46.81 ETS 357.29 ZAE 156.23 ETE 19.67 ZAC 87.23 ETC 13.48 CLP -46.77

PLANETOCENTRIC CONIC

C3 9.584 VHL 3.096 DLA -20.66 RAL 144.47 RAD 6567.3 VEL 11.444 PTH 1.99 VHP 3.604 DPA 5.94 RAP 180.13 ECC 1.1577
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 40 1347.71 6.63 351.36 356.42 117.59 7 24 7 747.7 10.28 344.58
 90.00 13 5 23 5403.52 28.02 247.83 1.01 85.72 14 35 26 4803.5 27.13 239.27
 100.00 8 9 22 1129.22 5.51 334.69 355.80 119.43 8 28 11 529.2 9.39 328.05
 100.00 14 40 22 5097.24 29.29 225.16 .87 83.76 16 5 19 4497.2 28.12 216.56
 110.00 8 48 37 1006.19 2.77 323.66 354.11 124.08 9 5 23 406.2 7.23 317.41
 110.00 16 17 36 4793.04 32.47 201.49 .30 78.68 17 37 29 4193.0 30.57 192.78

DIFFERENTIAL CORRECTIONS

TDE .4316 TRA -.3271 TC3 1.0967 BAU .1464
 RDE -.0529 RRA -.0298 RC3 .3212 FAU .13942
 FDE-3.4775 FRA .3374 FC-12.5936 BSP 3995
 BDE .4348 BRA .3285 BC3 1.1428 FSP -2706

MID-COURSE EXECUTION ACCURACY

SGT 1232.0 SGR 229.4 SG3 875.4
 RRT .3361 RRF -.4129 RTF -.8706
 SGB 1253.2 R23 -.1179 R13 -.8720
 SG1 1234.5 SG2 215.6 THA 3.69

ORBIT DETERMINATION ACCURACY

ST 822.3 SR 99.7 SS 2006.2
 CRT -.9108 CRS -.9735 CST .9786
 LSA 2164.7 MSA 158.8 SSA 10.4
 EL1 827.3 EL2 40.9 ALF 173.68

LAUNCH DATE JUN 6 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 349.929

RL 151.81 LAL -.00 LOL 254.62 VL 26.863 GAL -.49 AZL 93.60 HCA 153.05 SMA 129.25 ECC .17475 INC 3.5977 V1 29.349
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.790 GAP -3.60 AZP 86.79 TAL 182.32 TAP 335.37 RCA 106.66 APO 151.83 V2 35.049
 RC 73.590 GL -33.16 GP 2.54 ZAL 98.63 ZAP 51.38 ETS 357.38 ZAE 158.71 ETE 22.34 ZAC 88.45 ETC 13.58 CLP -51.33

PLANETOCENTRIC CONIC

C3 9.498 VHL 3.082 DLA -20.94 RAL 143.87 RAD 6567.3 VEL 11.441 PTH 1.98 VHP 3.419 DPA 6.83 RAP 179.04 ECC 1.1563
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 37 1333.73 7.07 350.57 355.81 117.49 7 24 50 733.7 10.70 343.77
 90.00 12 59 39 5413.96 28.07 248.59 .37 86.10 14 29 53 4814.0 27.23 240.02
 100.00 8 9 56 1116.47 5.94 333.98 355.19 119.35 8 28 32 516.5 9.80 327.33
 100.00 14 35 1 5106.45 29.36 225.84 .25 84.11 16 0 7 4506.4 28.23 217.22
 110.00 8 48 30 995.60 3.18 323.11 353.48 124.05 9 5 5 395.6 7.63 316.85
 110.00 16 12 56 4800.08 32.56 202.01 359.69 78.98 17 32 56 4200.1 30.70 193.29

DIFFERENTIAL CORRECTIONS

TDE .3766 TRA -.3123 TC3 .9084 BAU .1232
 RDE -.0344 RRA -.0271 RC3 .3413 FAU .15317
 FDE-3.8545 FRA .3157 FC-13.9612 BSP 3482
 BDE .3782 BRA .3135 BC3 .9704 FSP -3016

MID-COURSE EXECUTION ACCURACY

SGT 1091.0 SGR 226.4 SG3 969.1
 RRT .4313 RRF -.5458 RTF -.8357
 SGB 1114.2 R23 -.1910 R13 -.8391
 SG1 1095.5 SG2 203.4 THA 5.30

ORBIT DETERMINATION ACCURACY

ST 724.8 SR 66.3 SS 2118.8
 CRT -.8673 CRS -.9543 CST .9727
 LSA 2234.5 MSA 160.7 SSA 9.4
 EL1 727.1 EL2 32.9 ALF 175.46

LAUNCH DATE JUN 6 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 356.420

RL 151.81 LAL -.00 LOL 254.62 VL 26.888 GAL -.52 AZL 93.63 HCA 156.26 SMA 129.41 ECC .17325 INC 3.6296 V1 29.349
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.820 GAP -3.10 AZP 86.68 TAL 182.46 TAP 338.72 RCA 106.99 APO 151.84 V2 35.062
 RC 75.721 GL -33.63 GP 3.00 ZAL 98.87 ZAP 56.24 ETS 357.49 ZAE 161.41 ETE 26.51 ZAC 89.93 ETC 13.75 CLP -56.19

PLANETOCENTRIC CONIC

C3 9.444 VHL 3.073 DLA -21.27 RAL 143.39 RAD 6567.3 VEL 11.438 PTH 1.98 VHP 3.257 DPA 7.93 RAP 177.72 ECC 1.1554
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 41 1318.07 7.57 349.68 355.37 117.37 7 26 39 718.1 11.17 342.86
 90.00 12 53 43 5427.40 28.13 249.57 359.93 86.58 14 24 11 4827.4 27.36 240.98
 100.00 8 11 32 1102.32 6.41 333.19 354.74 119.26 8 29 54 502.3 10.26 326.52
 100.00 14 29 33 5118.38 29.44 226.72 359.81 84.56 15 54 52 4518.4 28.37 218.07
 110.00 8 49 15 984.08 3.62 322.51 353.02 124.01 9 5 39 384.1 8.06 316.23
 110.00 16 8 19 4809.39 32.68 202.71 359.27 79.38 17 28 29 4209.4 30.87 193.96

DIFFERENTIAL CORRECTIONS

TDE .3120 TRA -.2993 TC3 .6738 BAU .0970
 RDE -.0132 RRA -.0245 RC3 .3688 FAU .16709
 FDE-4.2591 FRA .2955 FC-15.3165 BSP 2866
 BDE .3123 BRA .3003 BC3 .7682 FSP -3328

MID-COURSE EXECUTION ACCURACY

SGT 931.9 SGR 233.2 SG3 1065.3
 RRT .5016 RRF -.6845 RTF -.7721
 SGB 960.6 R23 -.3217 R13 -.7815
 SG1 939.5 SG2 200.1 THA 7.50

ORBIT DETERMINATION ACCURACY

ST 608.9 SR 29.4 SS 2236.5
 CRT -.6442 CRS -.8139 CST .9618
 LSA 2312.5 MSA 162.1 SSA 8.4
 EL1 609.2 EL2 22.5 ALF 178.22

LAUNCH DATE JUN 6 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 362.891

RL 151.81 LAL -1.00 LOL 254.62 VL 26.909 GAL -.53 AZL 93.67 HCA 159.48 SMA 129.55 ECC .17202 INC 3.6710 V1 29.349
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.846 GAP -2.61 AZP 86.56 TAL 182.54 TAP 342.01 RCA 107.27 APO 151.84 V2 35.075
 RC 77.874 GL -34.14 GP 3.61 ZAL 98.98 ZAP 61.38 ETS 357.65 ZAE 164.19 ETE 33.18 ZAC 91.64 ETC 13.99 CLP -61.32

PLANETOCENTRIC CONIC

C3 9.426 VHL 3.070 DLA -21.67 RAL 143.02 RAD 6567.3 VEL 11.437 PTH 1.98 VHP 3.120 DPA 9.25 RAP 176.20 ECC 1.1551
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 10 1299.63 8.14 348.63 355.12 117.21 7 29 50 699.6 11.73 341.79
 90.00 12 47 15 5445.09 28.19 250.86 359.66 87.23 14 18 0 4845.1 27.51 242.26
 100.00 8 14 25 1085.83 6.96 332.28 354.48 119.14 8 32 31 485.8 10.79 325.59
 100.00 14 23 41 5134.12 29.53 227.88 359.56 85.16 15 49 15 4534.1 28.55 219.21
 110.00 8 51 5 970.91 4.12 321.82 352.73 123.96 9 7 16 370.9 8.55 315.53
 110.00 16 3 31 4821.80 32.84 203.65 359.06 79.91 17 23 52 4221.8 31.10 194.86

DIFFERENTIAL CORRECTIONS

TDE .2341 TRA -.2894 TC3 .3900 BAU .0710
 RDE .0118 RRA -.0223 RC3 .4062 FAU .18052
 FDE-4.6701 FRA .2795 FC-16.5797 BSP 2159
 BDE .2344 BRA .2902 BC3 .5631 FSP -3629

MID-COURSE EXECUTION ACCURACY

SGT 765.4 SGR 254.3 SG3 1158.9
 RRT .4895 RRF -.8078 RTF -.6401
 SGB 806.5 R23 -.5344 R13 -.6676
 SG1 776.3 SG2 218.7 THA 10.05

ORBIT DETERMINATION ACCURACY

ST 470.4 SR 26.8 SS 2351.2
 CRT .9508 CRS .8384 CST .9356
 LSA 2392.3 MSA 163.7 SSA 7.3
 EL1 471.1 EL2 8.3 ALF 3.10

LAUNCH DATE JUN 6 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 369.341

RL 151.81 LAL -1.00 LOL 254.62 VL 26.924 GAL -.53 AZL 93.73 HCA 162.69 SMA 129.66 ECC .17104 INC 3.7270 V1 29.349
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.869 GAP -2.14 AZP 86.44 TAL 182.55 TAP 345.24 RCA 107.48 APO 151.84 V2 35.088
 RC 80.046 GL -34.70 GP 4.41 ZAL 98.97 ZAP 66.77 ETS 357.85 ZAE 166.74 ETE 44.11 ZAC 93.52 ETC 14.32 CLP -66.69

PLANETOCENTRIC CONIC

C3 9.451 VHL 3.074 DLA -22.17 RAL 142.74 RAD 6567.3 VEL 11.439 PTH 1.98 VHP 3.008 DPA 10.86 RAP 174.53 ECC 1.1555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 35 1276.64 8.85 347.32 355.07 117.01 7 34 52 676.6 12.41 340.44
 90.00 12 39 36 5469.10 28.26 252.61 359.60 88.10 14 10 45 4869.1 27.70 243.99
 100.00 8 19 0 1065.51 7.63 331.14 354.41 118.99 8 36 45 465.5 11.44 324.43
 100.00 14 16 52 5155.46 29.65 229.45 359.52 85.99 15 42 47 4555.5 28.77 220.76
 110.00 8 54 14 955.04 4.72 320.98 352.62 123.89 9 10 9 355.0 9.14 314.68
 110.00 15 58 7 4838.69 33.03 204.93 359.06 80.65 17 18 46 4238.7 31.39 196.09

DIFFERENTIAL CORRECTIONS

TDE .1431 TRA -.2823 TC3 .0620 BAU .0583
 RDE .0422 RRA -.0203 RC3 .4575 FAU .19266
 FDE-5.0812 FRA .2709 FC-17.6486 BSP 1460
 BDE .1492 BRA .2831 BC3 .4617 FSP -3919

MID-COURSE EXECUTION ACCURACY

SGT 628.9 SGR 294.9 SG3 1245.3
 RRT .2963 RRF -.8986 RTF -.3586
 SGB 694.6 R23 -.8002 R13 -.4201
 SG1 636.4 SG2 278.4 THA 9.81

ORBIT DETERMINATION ACCURACY

ST 316.6 SR 80.1 SS 2463.3
 CRT .9109 CRS .9881 CST .8514
 LSA 2479.3 MSA 165.3 SSA 6.2
 EL1 325.0 EL2 32.2 ALF 13.11

LAUNCH DATE JUN 6 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 375.772

RL 151.81 LAL -1.00 LOL 254.62 VL 26.936 GAL -.51 AZL 93.81 HCA 165.91 SMA 129.74 ECC .17031 INC 3.8076 V1 29.349
 RP 107.96 LAP -1.93 LOP 60.56 VP 37.889 GAP -1.68 AZP 86.31 TAL 182.50 TAP 348.41 RCA 107.64 APO 151.84 V2 35.101
 RC 82.236 GL -35.40 GP 5.55 ZAL 98.81 ZAP 72.35 ETS 358.11 ZAE 168.45 ETE 61.34 ZAC 95.50 ETC 14.80 CLP -72.26

PLANETOCENTRIC CONIC

C3 9.536 VHL 3.088 DLA -22.84 RAL 142.52 RAD 6567.3 VEL 11.442 PTH 1.98 VHP 2.924 DPA 12.85 RAP 172.81 ECC 1.1569
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 51 1245.80 9.80 345.55 355.24 116.70 7 42 37 645.8 13.31 338.63
 90.00 12 29 36 5503.46 28.31 255.12 359.75 89.36 14 1 20 4903.5 27.92 246.48
 100.00 8 26 2 1038.66 8.51 329.64 354.55 118.76 8 43 20 438.7 12.29 322.88
 100.00 14 8 7 5185.83 29.77 231.70 359.70 87.16 15 34 33 4585.8 29.06 222.97
 110.00 8 59 13 934.61 5.50 319.91 352.71 123.79 9 14 48 334.6 9.90 313.58
 110.00 15 51 25 4862.65 33.28 206.76 359.30 81.70 17 12 28 4262.7 31.78 197.85

DIFFERENTIAL CORRECTIONS

TDE .0399 TRA -.2764 TC3 -.2972 BAU .0776
 RDE .0820 RRA -.0185 RC3 .5308 FAU .20285
 FDE-5.4941 FRA .2485 FC-18.4154 BSP 1126
 BDE .0912 BRA .2770 BC3 .6083 FSP -4175

MID-COURSE EXECUTION ACCURACY

SGT 590.6 SGR 363.3 SG3 1320.3
 RRT -.1314 RRF -.9543 RTF .1168
 SGB 693.4 R23 .9354 R13 -.1894
 SG1 593.6 SG2 358.3 THA 172.71

ORBIT DETERMINATION ACCURACY

ST 182.7 SR 153.0 SS 2576.9
 CRT .4682 CRS .9978 CST .4176
 LSA 2582.5 MSA 166.2 SSA 5.1
 EL1 205.9 EL2 119.9 ALF 34.55

LAUNCH DATE JUN 6 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 382.183

RL 151.81 LAL -1.00 LOL 254.62 VL 26.944 GAL -.49 AZL 93.94 HCA 169.13 SMA 129.79 ECC .16981 INC 3.9351 V1 29.349
 RP 107.92 LAP -.74 LOP 63.78 VP 37.906 GAP -1.23 AZP 86.13 TAL 182.39 TAP 351.52 RCA 107.75 APO 151.83 V2 35.113
 RC 84.440 GL -36.37 GP 7.32 ZAL 98.51 ZAP 78.06 ETS 358.48 ZAE 168.26 ETE 83.31 ZAC 97.41 ETC 15.50 CLP -77.96

PLANETOCENTRIC CONIC

C3 9.725 VHL 3.119 DLA -23.81 RAL 142.31 RAD 6567.4 VEL 11.451 PTH 1.99 VHP 2.869 DPA 15.46 RAP 171.21 ECC 1.1601
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 35 14 1199.54 11.21 342.87 355.73 116.18 7 55 13 599.5 14.64 335.87
 90.00 12 14 33 5557.46 28.29 259.07 .15 91.34 13 47 10 4957.5 28.17 250.41
 100.00 8 37 16 999.28 9.79 327.42 354.99 118.38 8 53 55 399.3 13.51 320.60
 100.00 13 55 12 5232.95 29.88 235.20 .16 89.00 15 22 25 4632.9 29.42 226.43
 110.00 9 7 7 905.66 6.59 318.38 353.04 123.62 9 22 13 305.7 10.96 312.02
 110.00 15 41 50 4899.34 33.61 209.57 359.87 83.34 17 3 29 4299.3 32.32 200.57

DIFFERENTIAL CORRECTIONS

TDE -.0789 TRA -.2750 TC3 -.6756 BAU .1211
 RDE .1398 RRA -.0172 RC3 .6414 FAU .20969
 FDE-5.9043 FRA .2320 FC-18.6658 BSP 1695
 BDE .1605 BRA .2755 BC3 .9316 FSP -4360

MID-COURSE EXECUTION ACCURACY

SGT 709.6 SGR 476.7 SG3 1375.4
 RRT -.5519 RRF -.9831 RTF .5507
 SGB 854.8 R23 .6649 R13 -.7242
 SG1 773.1 SG2 364.8 THA 153.25

ORBIT DETERMINATION ACCURACY

ST 220.5 SR 257.3 SS 2690.8
 CRT -.6285 CRS .9995 CST -.6492
 LSA 2706.9 MSA 167.7 SSA 4.1
 EL1 306.8 EL2 143.8 ALF 128.07

LAUNCH DATE JUN 6 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 388.574

RL 151.81 LAL -.00 LOL 254.62 VL 26.948 GAL -.45 AZL 94.17 HCA 172.35 SMA 129.82 ECC .16951 INC 4.1688 V1 29.349
 RP 107.89 LAP -.55 LOP 66.99 VP 37.921 GAP -.79 AZP 85.87 TAL 182.21 TAP 354.56 RCA 107.82 APO 151.83 V2 35.125
 RC 86.655 GL -37.96 GP 10.46 ZAL 98.01 ZAP 83.81 ETS 359.04 ZAE 165.17 ETE 101.45 ZAC 98.95 ETC 16.57 CLP -83.71

PLANETOCENTRIC CONIC

C3 10.144 VHL 3.185 DLA -25.40 RAL 141.95 RAD 6567.4 VEL 11.469 PTH 1.99 VHP 2.853 DPA 19.34 RAP 170.13 ECC 1.1669
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 0 57 1114.02 13.72 337.85 356.80 115.01 8 19 31 514.0 16.98 330.69
 90.00 11 45 56 5659.73 27.90 266.52 .86 95.06 13 20 16 5059.7 28.31 257.88
 100.00 8 57 57 929.98 12.01 323.46 355.93 117.58 9 13 27 330.0 15.61 316.52
 100.00 13 31 37 5319.00 29.81 241.60 1.00 92.37 15 0 16 4719.0 29.82 232.79
 110.00 9 20 59 857.74 8.39 315.84 353.77 123.26 9 35 16 257.7 12.71 309.40
 110.00 15 25 5 4964.01 34.00 214.58 .94 86.27 16 47 49 4364.0 33.11 205.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2188 TRA -.2800 TC3-1.0389 BAU .1801 SGT 950.6 SGR 683.2 SG3 1400.8 ST 428.2 SR 433.6 SS 2815.9
 RDE .2408 RRA -.0154 RC3 .8279 FAU .21166 RRT -.7736 RRF -.9953 RTF .7732 CRT -.9120 CRS .9999 CST -.9168
 FDE-6.3465 FRA .1726 FC-18.0638 BSP 2924 SGB 1170.7 R23 .4471 R13 -.8893 LSA 2876.1 MSA 169.6 SSA 2.9
 BDE .3254 BRA .2804 BC3 1.3284 FSP -4470 SG1 1110.5 SG2 370.6 THA 146.75 EL1 595.8 EL2 127.8 ALF 134.60

LAUNCH DATE JUN 6 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 394.945

RL 151.81 LAL -.00 LOL 254.62 VL 26.949 GAL -.40 AZL 94.74 HCA 175.57 SMA 129.83 ECC .16940 INC 4.7391 V1 29.349
 RP 107.85 LAP -.37 LOP 70.21 VP 37.932 GAP -.36 AZP 85.27 TAL 181.97 TAP 357.54 RCA 107.84 APO 151.82 V2 35.137
 RC 88.880 GL -41.39 GP 17.80 ZAL 97.18 ZAP 89.45 ETS .18 ZAE 157.25 ETE 109.03 ZAC 99.08 ETC 18.58 CLP -89.42

PLANETOCENTRIC CONIC

C3 11.342 VHL 3.368 DLA -28.73 RAL 140.86 RAD 6567.4 VEL 11.521 PTH 2.01 VHP 2.925 DPA 27.02 RAP 170.99 ECC 1.1867
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.95 9 6 53 902.26 22.79 326.19 .78 107.98 9 21 56 302.3 25.04 318.21
 95.05 10 31 19 628.93 22.81 306.17 .79 107.96 10 41 48 28.9 25.05 298.19
 100.00 10 0 27 728.37 18.03 311.53 358.82 114.25 10 12 36 128.4 21.16 304.13
 100.00 12 20 26 5566.09 27.74 259.63 2.23 101.61 13 53 12 4966.1 29.06 251.08
 110.00 9 54 19 747.70 12.44 309.88 355.72 122.10 10 6 46 147.7 16.59 303.24
 110.00 14 43 4 5119.53 34.03 226.71 3.19 93.45 16 8 24 4519.5 34.13 217.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.4023 TRA -.3018 TC3-1.2796 BAU .2638 SGT 1246.6 SGR 1154.7 SG3 1344.6 ST 707.1 SR 838.6 SS 2954.9
 RDE .4927 RRA -.0073 RC3 1.1789 FAU .19985 RRT -.8682 RRF -.9993 RTF .8679 CRT -.9673 CRS 1.0000 CST -.9684
 FDE-6.8706 FRA .0144 FC-15.2545 BSP 4829 SGB 1699.3 R23 .2768 R13 -.9602 LSA 3147.2 MSA 172.3 SSA 1.8
 BDE .6361 BRA .3019 BC3 1.7399 FSP -4287 SG1 1642.7 SG2 434.9 THA 137.52 EL1 1088.1 EL2 138.1 ALF 129.98

LAUNCH DATE JUN 6 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 401.292

RL 151.81 LAL -.00 LOL 254.62 VL 26.947 GAL -.34 AZL 98.36 HCA 178.80 SMA 129.82 ECC .16948 INC 8.3619 V1 29.349
 RP 107.82 LAP -.17 LOP 73.43 VP 37.942 GAP -.07 AZP 81.64 TAL 181.67 TAP .46 RCA 107.82 APO 151.82 V2 35.149
 RC 91.113 GL -55.29 GP 51.01 ZAL 94.71 ZAP 93.32 ETS 4.95 ZAE 124.50 ETE 104.89 ZAC 89.42 ETC 23.05 CLP -95.28

PLANETOCENTRIC CONIC

C3 22.741 VHL 4.769 DLA -41.54 RAL 134.18 RAD 6567.9 VEL 12.005 PTH 2.14 VHP 4.231 DPA 56.56 RAP 192.43 ECC 1.3743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.23 5 52 47 1574.68 26.88 20.53 9.27 122.95 6 19 1 974.7 31.01 13.12
 121.77 12 52 7 5559.94 26.89 258.77 9.28 122.94 14 24 47 4959.9 31.02 251.35
 58.23 5 52 47 1574.68 26.88 20.53 9.27 122.95 6 19 1 974.7 31.01 13.12
 121.77 12 52 7 5559.94 26.89 258.77 9.28 122.94 14 24 47 4959.9 31.02 251.35
 58.23 5 52 47 1574.68 26.88 20.53 9.27 122.95 6 19 1 974.7 31.01 13.12
 121.77 12 52 7 5559.94 26.89 258.77 9.28 122.94 14 24 47 4959.9 31.02 251.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8919 TRA -.4878 TC3 -.7495 BAU .4565 SGT 1507.5 SGR 2942.5 SG3 679.1 ST 1097.3 SR 2650.7 SS 2594.6
 RDE 2.2045 RRA .1996 RC3 1.3011 FAU .08997 RRT -.8964 RRF -1.0000 RTF .8982 CRT -.9839 CRS 1.0000 CST -.9843
 FDE-5.9022 FRA -.5626 FC3-3.4249 BSP 10069 SGB 3306.2 R23 .0849 R13 -.9964 LSA 3863.6 MSA 187.2 SSA .7
 BDE 2.3781 BRA .5270 BC3 1.5015 FSP -2107 SG1 3250.4 SG2 604.8 THA 115.62 EL1 2863.1 EL2 181.5 ALF 112.26

LAUNCH DATE JUN 6 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 407.640

RL 151.81 LAL -.00 LOL 254.62 VL 26.943 GAL -.27 AZL 90.45 HCA 182.03 SMA 129.78 ECC .16974 INC .2748 V1 29.349
 RP 107.78 LAP .02 LOP 76.66 VP 37.948 GAP .48 AZP 89.55 TAL 181.30 TAP 3.34 RCA 107.76 APO 151.81 V2 35.160
 RC 93.352 GL -5.02 GP -34.94 ZAL 98.41 ZAP 98.69 ETS 354.58 ZAE 145.29 ETE 242.72 ZAC 113.84 ETC 1.80 CLP -100.63

PLANETOCENTRIC CONIC

C3 5.961 VHL 2.441 DLA 4.58 RAL 156.10 RAD 6567.2 VEL 11.285 PTH 1.94 VHP 3.399 DPA -20.19 RAP 146.28 ECC 1.0981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 16 45 2109.98 -16.90 34.97 1.87 113.06 4 51 55 1510.0 -13.63 27.81
 90.00 17 23 1 4469.22 8.62 187.12 .98 62.92 18 37 30 3869.2 4.92 180.39
 100.00 5 40 15 1840.67 -17.59 14.84 1.55 114.57 6 10 56 1240.7 -14.13 7.76
 100.00 18 42 12 4213.76 9.28 167.98 .62 61.46 19 52 26 3613.8 5.40 161.34
 110.00 6 53 26 1611.64 -19.42 356.49 .58 118.70 7 20 17 1011.6 -15.44 349.63
 110.00 19 45 31 4015.56 11.04 151.88 359.57 57.44 20 52 27 3415.6 6.67 145.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0141 TRA .0467 TC3-3.5550 BAU .4042 SGT 1739.7 SGR 1949.7 SG3 914.8 ST 70.0 SR 335.3 SS 548.1
 RDE -.0982 RRA .3363 RC3-3.6181 FAU .13537 RRT .9321 RRF 1.0000 RTF .9326 CRT .7770 CRS -.9994 CST -.7746
 FDE -.5659 FRA 1.8111 FC-19.6609 BSP 6365 SGB 2613.0 R23 .1612 R13 .9869 LSA 644.8 MSA 44.0 SSA 9.5
 BDE .0993 BRA .3396 BC3 5.0723 FSP -2322 SG1 2568.9 SG2 478.3 THA 48.49 EL1 339.7 EL2 43.5 ALF 80.63

LAUNCH DATE JUN 6 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 413.948

RL 151.81 LAL -.00 LOL 254.62 VL 26.935 GAL .18 AZL 92.26 HCA 185.26 SMA 129.73 ECC .17016 INC 2.2582 V1 29.349
 RP 107.75 LAP .21 LOP 79.88 VP 37.953 GAP .89 AZP 87.75 TAL 180.89 TAP 6.15 RCA 107.66 APO 151.81 V2 35.170
 RC 95.596 GL -23.41 GP -14.67 ZAL 96.82 ZAP 105.14 ETS 356.67 ZAE 157.81 ETE 210.20 ZAC 113.63 ETC 10.10 CLP-105.66

PLANETOCENTRIC CONIC

C3 7.152 VHL 2.674 DLA -12.88 RAL 150.20 RAD 6567.2 VEL 11.338 PTH 1.95 VHP 2.975 DPA -.68 RAP 152.16 ECC 1.1177
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 32 1587.11 -1.04 4.76 357.25 118.30 6 33 59 987.1 2.75 358.13
 90.00 14 45 13 5054.60 23.79 223.25 360.00 74.17 16 9 28 4454.6 21.39 215.39
 100.00 7 22 12 1346.18 -1.82 346.62 356.82 119.84 7 44 38 746.2 2.16 340.10
 100.00 16 13 14 4770.76 24.65 202.09 359.72 72.53 17 32 45 4170.8 22.02 194.27
 110.00 8 15 26 1179.48 -3.85 332.71 355.56 123.99 8 35 5 579.5 .64 326.50
 110.00 17 36 30 4510.23 26.89 181.41 358.83 68.05 18 51 40 3910.2 23.67 173.73

DIFFERENTIAL CORRECTIONS

TDE -.4440 TRA -.1037 TC3-3.7946 BAU .3911
 RDE -.2098 RRA .0809 RC3-1.5261 FAU .19711
 FDE-3.5192 FRA 1.2165 FC-23.8606 BSP 7131
 BDE .4911 BRA .1316 BC3 4.0900 FSP -4106

MID-COURSE EXECUTION ACCURACY

SGT 2253.0 SGR 948.7 SG3 1301.4
 RRT .9562 RRF .9995 RTF .9567
 SGB 2444.6 R23 .2480 R13 .9683
 SG1 2431.0 SG2 257.4 THA 22.19

ORBIT DETERMINATION ACCURACY

ST 955.6 SR 453.3 SS 1951.5
 CRT .9820 CRS -.9999 CST -.9842
 LSA 2214.4 MSA 153.7 SSA 2.0
 EL1 1054.9 EL2 77.5 ALF 25.12

LAUNCH DATE JUN 6 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 420.240

RL 151.81 LAL -.00 LOL 254.62 VL 26.926 GAL -.09 AZL 92.69 HCA 188.49 SMA 129.67 ECC .17074 INC 2.6939 V1 29.349
 RP 107.72 LAP .40 LOP 83.11 VP 37.956 GAP 1.30 AZP 87.34 TAL 180.41 TAP 8.91 RCA 107.53 APO 151.81 V2 35.180
 RC 97.843 GL -27.16 GP -9.01 ZAL 95.63 ZAP 110.27 ETS 357.46 ZAE 156.54 ETE 194.46 ZAC 114.18 ETC 12.44 CLP-110.53

PLANETOCENTRIC CONIC

C3 7.689 VHL 2.773 DLA -16.73 RAL 149.68 RAD 6567.3 VEL 11.361 PTH 1.96 VHP 2.987 DPA 5.18 RAP 152.59 ECC 1.1265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 40 33 1462.98 2.96 357.84 358.08 118.17 7 4 56 863.0 6.71 351.16
 90.00 14 8 2 5204.78 26.19 233.59 1.64 78.82 15 34 46 4604.8 24.38 225.38
 100.00 7 52 24 1231.16 2.08 340.31 357.59 119.83 8 12 55 631.2 6.03 333.75
 100.00 15 38 52 4911.83 27.17 211.80 1.41 77.04 17 0 44 4311.8 25.12 203.61
 110.00 8 39 40 1083.08 -.16 327.67 356.19 124.18 8 57 43 483.1 4.32 321.46
 110.00 17 8 6 4632.67 29.72 189.81 .61 72.28 18 25 18 4032.7 27.01 181.67

DIFFERENTIAL CORRECTIONS

TDE -.6282 TRA -.1170 TC3-4.0646 BAU .4286
 RDE -.1458 RRA .0479 RC3 -.9289 FAU .19914
 FDE-4.2197 FRA 1.0454 FC-22.4223 BSP 8037
 BDE .6449 BRA .1264 BC3 4.1694 FSP -4312

MID-COURSE EXECUTION ACCURACY

SGT 2613.4 SGR 605.7 SG3 1326.6
 RRT .9642 RRF .9964 RTF .9664
 SGB 2682.7 R23 .2308 R13 .9695
 SG1 2678.1 SG2 156.8 THA 12.64

ORBIT DETERMINATION ACCURACY

ST 1302.1 SR 303.3 SS 2259.2
 CRT .9871 CRS -.9996 CST -.9908
 LSA 2620.7 MSA 154.1 SSA 3.0
 EL1 1336.1 EL2 47.3 ALF 12.97

LAUNCH DATE JUN 6 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 426.516

RL 151.81 LAL -.00 LOL 254.62 VL 26.914 GAL .02 AZL 92.89 HCA 191.73 SMA 129.59 ECC .17147 INC 2.8900 V1 29.349
 RP 107.69 LAP .59 LOP 86.34 VP 37.956 GAP 1.69 AZP 87.17 TAL 179.88 TAP 11.61 RCA 107.37 APO 151.81 V2 35.190
 RC 100.092 GL -28.70 GP -6.39 ZAL 94.47 ZAP 114.95 ETS 357.90 ZAE 153.74 ETE 187.77 ZAC 114.93 ETC 13.63 CLP-115.11

PLANETOCENTRIC CONIC

C3 7.984 VHL 2.826 DLA -18.58 RAL 150.09 RAD 6567.3 VEL 11.374 PTH 1.96 VHP 3.054 DPA 8.10 RAP 152.23 ECC 1.1314
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 51 1399.06 5.01 354.25 359.32 117.91 7 24 10 799.1 8.70 347.53
 90.00 13 51 2 5282.52 27.09 239.10 3.22 81.44 15 19 4 4682.5 25.63 230.74
 100.00 8 10 59 1172.76 4.05 337.09 358.80 119.64 8 30 32 572.8 7.97 330.49
 100.00 15 23 35 4984.06 28.17 216.94 3.01 79.57 16 46 39 4384.1 26.44 208.56
 110.00 8 54 49 1035.40 1.66 325.19 357.31 124.15 9 12 5 435.4 6.13 318.95
 110.00 16 56 14 4694.18 30.92 194.20 2.29 74.63 18 14 28 4094.2 28.50 185.84

DIFFERENTIAL CORRECTIONS

TDE -.7614 TRA -.0778 TC3-4.2465 BAU .4584
 RDE -.0968 RRA .0471 RC3 -.6393 FAU .17745
 FDE-4.2662 FRA 1.2754 FC-19.2415 BSP 8691
 BDE .7676 BRA .0909 BC3 4.2943 FSP -3933

MID-COURSE EXECUTION ACCURACY

SGT 2858.4 SGR 423.4 SG3 1223.5
 RRT .9531 RRF .9845 RTF .9635
 SGB 2889.6 R23 .2128 R13 .9648
 SG1 2886.8 SG2 126.9 THA 8.05

ORBIT DETERMINATION ACCURACY

ST 1546.4 SR 198.9 SS 2294.5
 CRT .9829 CRS -.9982 CST -.9920
 LSA 2769.3 MSA 163.6 SSA 4.2
 EL1 1558.8 EL2 36.3 ALF 7.21

LAUNCH DATE JUN 6 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 432.772

RL 151.81 LAL -.00 LOL 254.62 VL 26.899 GAL .15 AZL 93.00 HCA 194.96 SMA 129.49 ECC .17235 INC 3.0022 V1 29.349
 RP 107.66 LAP .78 LOP 89.57 VP 37.955 GAP 2.08 AZP 87.10 TAL 179.30 TAP 14.26 RCA 107.17 APO 151.81 V2 35.199
 RC 102.344 GL -29.50 GP -4.88 ZAL 93.27 ZAP 119.28 ETS 358.20 ZAE 150.84 ETE 184.59 ZAC 115.60 ETC 14.39 CLP-119.39

PLANETOCENTRIC CONIC

C3 8.189 VHL 2.862 DLA -19.77 RAL 150.90 RAD 6567.3 VEL 11.383 PTH 1.97 VHP 3.144 DPA 9.87 RAP 151.75 ECC 1.1348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 1 1355.47 6.39 351.80 .74 117.64 7 39 36 755.5 10.04 345.02
 90.00 13 41 18 5335.52 27.57 242.90 4.80 83.29 15 10 13 4735.5 26.36 234.45
 100.00 8 25 50 1133.37 5.37 334.92 .18 119.45 8 44 43 533.4 9.25 328.28
 100.00 15 15 10 5032.85 28.72 220.46 4.63 81.34 16 39 3 4432.8 27.23 211.98
 110.00 9 7 10 1003.85 2.86 323.54 358.62 124.08 9 23 54 403.8 7.32 317.28
 110.00 16 50 19 4735.14 31.62 197.19 3.97 76.27 18 9 14 4135.1 29.41 188.68

DIFFERENTIAL CORRECTIONS

TDE -.8845 TRA -.0663 TC3-4.6476 BAU .5123
 RDE -.0649 RRA .0407 RC3 -.5468 FAU .17691
 FDE-4.2273 FRA 1.1556 FC-18.7029 BSP 9704
 BDE .8869 BRA .0777 BC3 4.6797 FSP -3802

MID-COURSE EXECUTION ACCURACY

SGT 3198.7 SGR 349.7 SG3 1198.0
 RRT .9389 RRF .9614 RTF .9721
 SGB 3217.8 R23 .1378 R13 .9726
 SG1 3215.6 SG2 119.8 THA 5.87

ORBIT DETERMINATION ACCURACY

ST 1773.3 SR 132.8 SS 2309.7
 CRT .9754 CRS -.9934 CST -.9939
 LSA 2910.8 MSA 157.2 SSA 5.4
 EL1 1778.1 EL2 29.2 ALF 4.18

LAUNCH DATE JUN 6 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 439.010

RL 151.81 LAL -.00 LOL 254.62 VL 26.884 GAL .28 AZL 93.08 HCA 198.20 SMA 129.38 ECC .17338 INC 3.0753 V1 29.349
 RP 107.63 LAP .96 LOP 92.80 VP 37.951 GAP 2.47 AZP 87.08 TAL 178.67 TAP 16.87 RCA 106.95 APO 151.81 V2 35.208
 RC 104.596 GL -29.93 GP -3.90 ZAL 92.00 ZAP 123.28 ETS 358.42 ZAE 148.13 ETE 182.93 ZAC 116.08 ETC 14.92 CLP-123.37

PLANETOCENTRIC CONIC

C3 8.357 VHL 2.891 DLA -20.67 RAL 151.95 RAD 6567.3 VEL 11.391 PTH 1.97 VHP 3.250 DPA 11.04 RAP 151.38 ECC 1.1375
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 31 39 1320.81 7.48 349.84 2.30 117.39 7 53 40 720.8 11.09 343.02
 90.00 13 35 3 5377.78 27.87 245.96 6.47 84.79 15 4 41 4777.8 26.86 237.44
 100.00 8 39 20 1102.38 6.41 333.20 1.71 119.26 8 57 42 502.4 10.26 326.53
 100.00 15 10 3 5071.45 29.09 223.27 6.32 82.78 16 34 35 4471.4 27.78 214.71
 110.00 9 18 33 979.45 3.79 322.26 .10 124.00 9 34 53 379.4 8.23 315.99
 110.00 16 47 19 4767.14 32.11 199.55 5.71 77.59 18 6 46 4167.1 30.07 190.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9974 TRA -.0258 TC3-4.9127 BAU .5515 SGT 3461.1 SGR 300.1 SG3 1124.1 ST 1978.8 SR 84.8 SS 2292.1
 RDE -.0404 RRA .0419 RC3 -.4761 FAU .16406 RRT .9006 RRF .9185 RTF .9732 CRT .9452 CRS -.9731 CST -.9946
 FDE-4.0973 FRA 1.2266 FC-16.9956 BSP 10548 SGB 3474.1 R23 .0938 R13 .9735 LSA 3025.2 MSA 157.5 SSA 6.5
 BDE .9983 BRA .0492 BC3 4.9357 FSP -3568 SG1 3471.6 SG2 130.0 THA 4.47 EL1 1980.4 EL2 27.7 ALF 2.32

LAUNCH DATE JUN 6 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 445.229

RL 151.81 LAL -.00 LOL 254.62 VL 26.866 GAL .43 AZL 93.13 HCA 201.44 SMA 129.26 ECC .17456 INC 3.1270 V1 29.349
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.946 GAP 2.85 AZP 87.09 TAL 177.99 TAP 19.43 RCA 106.70 APO 151.83 V2 35.216
 RC 106.849 GL -30.15 GP -3.22 ZAL 90.64 ZAP 126.99 ETS 358.59 ZAE 145.66 ETE 182.01 ZAC 116.35 ETC 15.30 CLP-127.06

PLANETOCENTRIC CONIC

C3 8.513 VHL 2.918 DLA -21.43 RAL 153.18 RAD 6567.3 VEL 11.398 PTH 1.97 VHP 3.367 DPA 11.83 RAP 151.18 ECC 1.1401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 45 46 1290.79 8.42 348.13 4.00 117.14 8 7 16 690.8 11.99 341.27
 90.00 13 30 46 5414.76 28.07 248.65 8.24 86.13 15 1 1 4814.8 27.24 240.08
 100.00 8 52 22 1075.81 7.29 331.72 3.39 119.07 9 10 18 475.8 11.11 325.01
 100.00 15 6 51 5104.97 29.35 225.73 8.11 84.05 16 31 56 4505.0 28.21 217.11
 110.00 9 29 40 958.91 4.57 321.19 1.72 123.91 9 45 39 358.9 9.00 314.89
 110.00 16 46 2 4794.64 32.49 201.61 7.56 78.75 18 5 57 4194.6 30.60 192.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1073 TRA .0158 TC3-5.1666 BAU .5901 SGT 3717.4 SGR 274.4 SG3 1056.8 ST 2176.4 SR 50.6 SS 2274.1
 RDE -.0212 RRA .0436 RC3 -.4372 FAU .15277 RRT .8461 RRF .8583 RTF .9748 CRT .8326 CRS -.8804 CST -.9953
 FDE-3.9575 FRA 1.2550 FC-15.5362 BSP 11424 SGB 3727.5 R23 .0606 R13 .9749 LSA 3144.3 MSA 155.1 SSA 7.7
 BDE 1.1075 BRA .0463 BC3 5.1851 FSP -3382 SG1 3724.7 SG2 146.0 THA 3.58 EL1 2176.8 EL2 28.0 ALF 1.11

LAUNCH DATE JUN 6 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 451.428

RL 151.81 LAL -.00 LOL 254.62 VL 26.847 GAL .58 AZL 93.17 HCA 204.68 SMA 129.13 ECC .17588 INC 3.1656 V1 29.349
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.939 GAP 3.23 AZP 87.12 TAL 177.26 TAP 21.94 RCA 106.42 APO 151.84 V2 35.223
 RC 109.101 GL -30.23 GP -2.71 ZAL 89.19 ZAP 130.41 ETS 358.71 ZAE 143.42 ETE 181.48 ZAC 116.39 ETC 15.57 CLP-130.47

PLANETOCENTRIC CONIC

C3 8.670 VHL 2.944 DLA -22.10 RAL 154.57 RAD 6567.3 VEL 11.404 PTH 1.97 VHP 3.495 DPA 12.36 RAP 151.19 ECC 1.1427
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 51 1263.30 9.27 346.55 5.85 116.88 8 20 54 663.3 12.80 339.66
 90.00 13 27 42 5449.16 28.21 251.15 10.12 87.38 14 58 32 4849.2 27.54 242.55
 100.00 9 5 23 1051.79 8.08 330.37 5.21 118.88 9 22 55 451.8 11.87 323.64
 100.00 15 4 52 5135.91 29.54 228.01 10.02 85.23 16 30 27 4535.9 28.57 219.34
 110.00 9 40 50 940.69 5.27 320.23 3.49 123.82 9 56 30 340.7 9.67 313.91
 110.00 16 45 54 4819.77 32.81 203.50 9.52 79.83 18 6 14 4219.8 31.06 194.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2104 TRA .0649 TC3-5.3971 BAU .6274 SGT 3958.3 SGR 263.1 SG3 991.3 ST 2357.6 SR 31.4 SS 2238.7
 RDE -.0047 RRA .0463 RC3 -.4148 FAU .14236 RRT .7789 RRF .7868 RTF .9760 CRT .3152 CRS -.3974 CST -.9957
 FDE-3.7854 FRA 1.2868 FC-14.2156 BSP 12231 SGB 3967.0 R23 .0403 R13 .9761 LSA 3247.8 MSA 152.6 SSA 8.7
 BDE 1.2104 BRA .0798 BC3 5.4130 FSP -3185 SG1 3963.6 SG2 164.8 THA 2.97 EL1 2357.7 EL2 29.8 ALF .24

LAUNCH DATE JUN 6 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 457.608

RL 151.81 LAL -.00 LOL 254.62 VL 26.826 GAL .76 AZL 93.20 HCA 207.92 SMA 128.99 ECC .17734 INC 3.1959 V1 29.349
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.931 GAP 3.61 AZP 87.18 TAL 176.49 TAP 24.42 RCA 106.12 APO 151.87 V2 35.230
 RC 111.351 GL -30.20 GP -2.33 ZAL 87.65 ZAP 133.59 ETS 358.80 ZAE 141.40 ETE 181.18 ZAC 116.22 ETC 15.74 CLP-133.63

PLANETOCENTRIC CONIC

C3 8.836 VHL 2.973 DLA -22.72 RAL 156.08 RAD 6567.3 VEL 11.412 PTH 1.98 VHP 3.630 DPA 12.70 RAP 151.40 ECC 1.1454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 14 12 1237.27 10.06 345.06 7.84 116.61 8 34 50 637.3 13.56 338.12
 90.00 13 25 28 5482.43 28.28 253.58 12.13 88.59 14 56 51 4882.4 27.79 244.95
 100.00 9 18 38 1029.34 8.82 329.11 7.18 118.68 9 35 47 429.3 12.58 322.34
 100.00 15 3 44 5165.60 29.69 230.20 12.06 86.38 16 29 50 4565.6 28.87 221.49
 110.00 9 52 13 924.03 5.90 319.35 5.39 123.73 10 7 37 324.0 10.29 313.01
 110.00 16 46 38 4843.67 33.08 205.31 11.62 80.87 18 7 22 4243.7 31.47 196.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3066 TRA .1248 TC3-5.5668 BAU .6593 SGT 4167.0 SGR 260.0 SG3 922.7 ST 2521.7 SR 37.6 SS 2190.7
 RDE .0102 RRA .0500 RC3 -.3992 FAU .13105 RRT .7045 RRF .7081 RTF .9763 CRT -.4869 CRS .4111 CST -.9960
 FDE-3.5956 FRA 1.3314 FC-12.8406 BSP 12873 SGB 4175.1 R23 .0268 R13 .9763 LSA 3337.2 MSA 150.5 SSA 9.9
 BDE 1.3067 BRA .1344 BC3 5.5811 FSP -2951 SG1 4171.0 SG2 184.4 THA 2.52 EL1 2521.8 EL2 32.9 ALF 179.58

LAUNCH DATE JUN 6 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 463.769

RL 151.81 LAL -0.00 LOL 254.62 VL 26.804 GAL .94 AZL 93.22 HCA 211.17 SMA 128.84 ECC .17895 INC 3.2202 V1 29.349
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.921 GAP 3.99 AZP 87.24 TAL 175.68 TAP 26.85 RCA 105.79 APO 151.90 V2 35.236
 RC 113.598 GL -30.09 GP -2.03 ZAL 86.04 ZAP 136.52 ETS 358.86 ZAE 139.59 ETE 181.00 ZAC 115.84 ETC 15.84 CLP-136.56

PLANETOCENTRIC CONIC

C3 9.018 VHL 3.003 DLA -23.29 RAL 157.72 RAD 6567.3 VEL 11.420 PTH 1.98 VHP 3.773 DPA 12.88 RAP 151.80 ECC 1.1484
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 56 1212.17 10.83 343.61 9.98 116.33 8 49 8 612.2 14.28 336.63
 90.00 13 23 50 5515.36 28.32 255.99 14.26 89.80 14 55 45 4915.4 27.99 247.34
 100.00 9 32 11 1008.03 9.51 327.91 9.28 118.47 9 48 59 408.0 13.24 321.11
 100.00 15 3 16 5194.73 29.80 232.36 14.23 87.51 16 29 51 4594.7 29.13 223.62
 110.00 10 3 53 908.63 6.48 318.54 7.44 123.64 10 19 1 308.6 10.85 312.18
 110.00 16 48 3 4866.90 33.32 207.08 13.84 81.89 18 9 10 4266.9 31.84 198.16

DIFFERENTIAL CORRECTIONS

TDE-1.4005 TRA .1915 TC3-5.7135 BAU .6904
 RDE .0237 RRA .0541 RC3 -.3896 FAU .12108
 FDE-3.4121 FRA 1.3711 FC-11.6234 BSP 13548
 BDE 1.4007 BRA .1990 BC3 5.7268 FSP -2763

MID-COURSE EXECUTION ACCURACY

SGT 4367.3 SGR 263.5 SG3 860.7
 RRT .6316 RRF .6320 RTF .9765
 SGB 4375.2 R23 .0179 R13 .9766
 SG1 4370.5 SG2 204.1 THA 2.19

ORBIT DETERMINATION ACCURACY

ST 2676.7 SR 56.9 SS 2141.8
 CRT -.7636 CRS .7079 CST -.9963
 LSA 3425.3 MSA 148.4 SSA 11.0
 EL1 2677.0 EL2 36.7 ALF 179.07

LAUNCH DATE JUN 6 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 469.909

RL 151.81 LAL -0.00 LOL 254.62 VL 26.780 GAL 1.14 AZL 93.24 HCA 214.41 SMA 128.69 ECC .18071 INC 3.2403 V1 29.349
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.909 GAP 4.36 AZP 87.33 TAL 174.84 TAP 29.25 RCA 105.43 APO 151.94 V2 35.241
 RC 115.842 GL -29.89 GP -1.78 ZAL 84.35 ZAP 139.25 ETS 358.90 ZAE 137.98 ETE 180.91 ZAC 115.27 ETC 15.87 CLP-139.28

PLANETOCENTRIC CONIC

C3 9.221 VHL 3.037 DLA -23.84 RAL 159.48 RAD 6567.3 VEL 11.429 PTH 1.98 VHP 3.923 DPA 12.93 RAP 152.39 ECC 1.1518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 44 7 1187.68 11.56 342.18 12.26 116.03 9 3 55 587.7 14.97 335.16
 90.00 13 22 37 5548.47 28.30 258.41 16.52 91.01 14 55 6 4948.5 28.14 249.75
 100.00 9 46 5 987.64 10.17 326.76 11.53 118.26 10 2 33 387.6 13.87 319.92
 100.00 15 3 20 5223.75 29.86 234.52 16.52 88.64 16 30 24 4623.7 29.36 225.75
 110.00 10 15 51 894.32 7.02 317.78 9.62 123.54 10 30 45 294.3 11.38 311.40
 110.00 16 50 4 4889.83 33.53 208.84 16.20 82.91 18 11 34 4289.8 32.18 199.87

DIFFERENTIAL CORRECTIONS

TDE-1.4911 TRA .2661 TC3-5.8194 BAU .7190
 RDE .0366 RRA .0585 RC3 -.3821 FAU .11155
 FDE-3.2335 FRA 1.4072 FC-10.4731 BSP 14144
 BDE 1.4915 BRA .2724 BC3 5.8319 FSP -2576

MID-COURSE EXECUTION ACCURACY

SGT 4550.6 SGR 270.5 SG3 801.7
 RRT .5625 RRF .5599 RTF .9766
 SGB 4558.6 R23 .0112 R13 .9766
 SG1 4553.1 SG2 223.5 THA 1.92

ORBIT DETERMINATION ACCURACY

ST 2820.2 SR 78.2 SS 2090.1
 CRT -.8495 CRS .8046 CST -.9965
 LSA 3508.0 MSA 146.2 SSA 12.1
 EL1 2820.9 EL2 41.2 ALF 178.65

LAUNCH DATE JUN 6 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 476.030

RL 151.81 LAL -0.00 LOL 254.62 VL 26.756 GAL 1.35 AZL 93.26 HCA 217.66 SMA 128.52 ECC .18262 INC 3.2575 V1 29.349
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.897 GAP 4.74 AZP 87.42 TAL 173.95 TAP 31.61 RCA 105.05 APO 151.99 V2 35.246
 RC 118.080 GL -29.63 GP -1.59 ZAL 82.58 ZAP 141.79 ETS 358.91 ZAE 136.53 ETE 180.86 ZAC 114.53 ETC 15.86 CLP-141.81

PLANETOCENTRIC CONIC

C3 9.451 VHL 3.074 DLA -24.36 RAL 161.33 RAD 6567.3 VEL 11.439 PTH 1.98 VHP 4.079 DPA 12.88 RAP 153.15 ECC 1.1555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 47 1163.68 12.27 340.78 14.68 115.72 9 19 10 563.7 15.64 333.72
 90.00 13 21 45 5582.07 28.24 260.87 18.90 92.24 14 54 47 4982.1 28.25 252.20
 100.00 10 0 22 968.11 10.80 325.65 13.92 118.04 10 16 30 368.1 14.46 318.78
 100.00 15 3 51 5252.87 29.89 236.68 18.93 89.78 16 31 24 4652.9 29.54 227.89
 110.00 10 28 6 881.11 7.51 317.08 11.94 123.45 10 42 47 281.1 11.86 310.68
 110.00 16 52 36 4912.64 33.71 210.60 18.69 83.94 18 14 29 4312.6 32.50 201.57

DIFFERENTIAL CORRECTIONS

TDE-1.5803 TRA .3478 TC3-5.8928 BAU .7461
 RDE .0489 RRA .0631 RC3 -.3756 FAU .10286
 FDE-3.0673 FRA 1.4379 FC3-9.4224 BSP 14728
 BDE 1.5811 BRA .3535 BC3 5.9048 FSP -2410

MID-COURSE EXECUTION ACCURACY

SGT 4723.2 SGR 279.9 SG3 747.7
 RRT .4993 RRF .4939 RTF .9766
 SGB 4731.5 R23 .0058 R13 .9766
 SG1 4725.3 SG2 242.4 THA 1.70

ORBIT DETERMINATION ACCURACY

ST 2955.1 SR 99.3 SS 2039.6
 CRT -.8844 CRS .8455 CST -.9967
 LSA 3589.1 MSA 143.8 SSA 13.1
 EL1 2956.4 EL2 46.3 ALF 178.30

LAUNCH DATE JUN 6 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 482.131

RL 151.81 LAL -0.00 LOL 254.62 VL 26.730 GAL 1.57 AZL 93.27 HCA 220.90 SMA 128.33 ECC .18469 INC 3.2722 V1 29.349
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.882 GAP 5.11 AZP 87.53 TAL 173.04 TAP 33.94 RCA 104.65 APO 152.06 V2 35.250
 RC 120.312 GL -29.30 GP -1.42 ZAL 80.75 ZAP 144.15 ETS 358.91 ZAE 135.23 ETE 180.85 ZAC 113.63 ETC 15.80 CLP-144.18

PLANETOCENTRIC CONIC

C3 9.712 VHL 3.116 DLA -24.85 RAL 163.28 RAD 6567.4 VEL 11.450 PTH 1.99 VHP 4.241 DPA 12.73 RAP 154.06 ECC 1.1598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 15 55 1140.11 12.97 339.40 17.24 115.40 9 34 55 540.1 16.28 332.29
 90.00 13 21 10 5616.34 28.12 263.37 21.40 93.49 14 54 46 5016.3 28.31 254.71
 100.00 10 14 58 949.47 11.39 324.58 16.44 117.82 10 30 48 349.5 15.03 317.68
 100.00 15 4 48 5282.21 29.88 238.86 21.48 90.93 16 32 50 4682.2 29.69 230.06
 110.00 10 40 37 869.04 7.97 316.44 14.38 123.35 10 55 6 269.0 12.30 310.02
 110.00 16 55 39 4935.40 33.86 212.36 21.31 84.97 18 17 54 4335.4 32.79 203.28

DIFFERENTIAL CORRECTIONS

TDE-1.6649 TRA .4404 TC3-5.9199 BAU .7701
 RDE .0613 RRA .0680 RC3 -.3684 FAU .09454
 FDE-2.9016 FRA 1.4723 FC3-8.4271 BSP 15203
 BDE 1.6660 BRA .4456 BC3 5.9314 FSP -2241

MID-COURSE EXECUTION ACCURACY

SGT 4876.5 SGR 290.5 SG3 696.3
 RRT .4413 RRF .4339 RTF .9764
 SGB 4885.1 R23 .0019 R13 .9764
 SG1 4878.2 SG2 260.6 THA 1.51

ORBIT DETERMINATION ACCURACY

ST 3074.6 SR 120.2 SS 1982.8
 CRT -.9012 CRS .8655 CST -.9969
 LSA 3657.7 MSA 142.1 SSA 14.0
 EL1 3076.5 EL2 52.1 ALF 177.98

LAUNCH DATE JUN 6 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 488.210

RL 151.81 LAL - .00 LOL 254.62 VL 26.704 GAL 1.81 AZL 93.29 HCA 224.15 SMA 128.18 ECC .18692 INC 3.2852 V1 29.349
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.867 GAP 5.48 AZP 87.64 TAL 172.09 TAP 36.24 RCA 104.22 APO 152.14 V2 35.253
 RC 122.538 GL -28.91 GP -1.29 ZAL 78.86 ZAP 146.36 ETS 358.89 ZAE 134.07 ETE 180.85 ZAC 112.60 ETC 15.71 CLP-146.38

PLANETOCENTRIC CONIC

C3 10.009 VHL 3.164 DLA -25.31 RAL 165.31 RAD 6567.4 VEL 11.463 PTH 1.99 VHP 4.408 DPA 12.50 RAP 155.10 ECC 1.1647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 30 1117.03 13.64 338.03 19.94 115.06 9 51 7 517.0 16.90 330.88
 90.00 13 20 49 5651.37 27.95 265.92 24.00 94.76 14 55 0 5051.4 28.31 257.27
 100.00 10 29 51 931.86 11.95 323.57 19.08 117.61 10 45 23 331.9 15.55 316.64
 100.00 15 6 9 5311.77 29.83 241.06 24.13 92.09 16 34 40 4711.8 29.80 232.25
 110.00 10 53 19 858.25 8.37 315.86 16.95 123.26 11 7 37 258.3 12.69 309.43
 110.00 16 59 10 4958.14 33.98 214.12 24.05 86.01 18 21 49 4358.1 33.05 205.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7503 TRA .5393 TC3-5.9238 BAU .7941 SGT 5026.4 SGR 301.9 SG3 650.2 ST 3188.4 SR 140.6 SS 1929.7
 RDE .0737 RRA .0729 RC3 -.3606 FAU .08717 RRT .3889 RRF .3795 RTF .9763 CRT -.9101 CRS .8767 CST -.9970
 FDE-2.7521 FRA 1.4996 FC3-7.5395 BSP 15720 SGB 5035.4 R23 -.0014 R13 .9763 LSA 3726.9 MSA 140.5 SSA 14.9
 BDE 1.7518 BRA .5442 BC3 5.9348 FSP -2102 SG1 5027.7 SG2 278.1 THA 1.34 EL1 3190.9 EL2 58.2 ALF 177.70

LAUNCH DATE JUN 6 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 494.267

RL 151.81 LAL - .00 LOL 254.62 VL 26.677 GAL 2.06 AZL 93.30 HCA 227.40 SMA 128.00 ECC .18932 INC 3.2967 V1 29.349
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.850 GAP 5.86 AZP 87.77 TAL 171.11 TAP 38.50 RCA 103.77 APO 152.23 V2 35.256
 RC 124.755 GL -28.46 GP -1.17 ZAL 76.92 ZAP 148.44 ETS 358.85 ZAE 133.03 ETE 180.86 ZAC 111.43 ETC 15.59 CLP-148.46

PLANETOCENTRIC CONIC

C3 10.347 VHL 3.217 DLA -25.75 RAL 167.43 RAD 6567.4 VEL 11.478 PTH 2.00 VHP 4.580 DPA 12.20 RAP 156.27 ECC 1.1703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 29 1094.53 14.28 336.69 22.77 114.71 10 7 44 494.5 17.50 329.50
 90.00 13 20 40 5687.19 27.72 268.51 26.71 96.04 14 55 27 5087.2 28.26 259.89
 100.00 10 44 57 915.44 12.46 322.63 21.85 117.39 11 0 12 315.4 16.04 315.66
 100.00 15 7 53 5341.52 29.73 243.27 26.90 93.24 16 36 55 4741.5 29.86 234.46
 110.00 11 6 9 848.90 8.72 315.36 19.63 123.18 11 20 18 248.9 13.03 308.91
 110.00 17 3 10 4980.82 34.07 215.89 26.91 87.05 18 26 11 4380.8 33.29 206.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8336 TRA .6467 TC3-5.8916 BAU .8165 SGT 5164.2 SGR 313.5 SG3 607.3 ST 3290.5 SR 160.5 SS 1875.6
 RDE .0863 RRA .0777 RC3 -.3513 FAU .08034 RRT .3405 RRF .3294 RTF .9761 CRT -.9149 CRS .8831 CST -.9972
 FDE-2.6110 FRA 1.5239 FC3-6.7216 BSP 16181 SGB 5173.7 R23 -.0044 R13 .9761 LSA 3788.3 MSA 139.2 SSA 15.7
 BDE 1.8357 BRA .6514 BC3 5.9020 FSP -1969 SG1 5165.3 SG2 294.7 THA 1.19 EL1 3293.8 EL2 64.7 ALF 177.44

LAUNCH DATE JUN 6 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 500.302

RL 151.81 LAL - .00 LOL 254.62 VL 26.649 GAL 2.33 AZL 93.31 HCA 230.64 SMA 127.81 ECC .19191 INC 3.3070 V1 29.349
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.832 GAP 6.24 AZP 87.90 TAL 170.10 TAP 40.74 RCA 103.29 APO 152.34 V2 35.258
 RC 126.964 GL -27.96 GP -1.07 ZAL 74.94 ZAP 150.39 ETS 358.79 ZAE 132.10 ETE 180.88 ZAC 110.15 ETC 15.45 CLP-150.40

PLANETOCENTRIC CONIC

C3 10.733 VHL 3.276 DLA -26.15 RAL 169.60 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 4.758 DPA 11.83 RAP 157.55 ECC 1.1766
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 48 1072.76 14.90 335.39 25.71 114.36 10 24 41 472.8 18.06 328.15
 90.00 13 20 43 5723.80 27.43 271.15 29.52 97.33 14 56 7 5123.8 28.16 262.56
 100.00 11 0 9 900.47 12.93 321.76 24.74 117.19 11 15 10 300.5 16.47 314.76
 100.00 15 10 3 5371.32 29.60 245.47 29.77 94.40 16 39 35 4771.3 29.89 236.68
 110.00 11 19 3 841.17 9.01 314.95 22.41 123.12 11 33 4 241.2 13.30 308.49
 110.00 17 7 39 5003.39 34.14 217.65 29.89 88.09 18 31 2 4403.4 33.49 208.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9157 TRA .7639 TC3-5.8237 BAU .8371 SGT 5291.6 SGR 325.0 SG3 567.7 ST 3382.0 SR 180.3 SS 1821.4
 RDE .0992 RRA .0825 RC3 -.3402 FAU .07395 RRT .2955 RRF .2825 RTF .9759 CRT -.9173 CRS .8866 CST -.9973
 FDE-2.4789 FRA 1.5482 FC3-5.9646 BSP 16622 SGB 5301.6 R23 -.0071 R13 .9759 LSA 3842.9 MSA 138.5 SSA 16.4
 BDE 1.9183 BRA .7684 BC3 5.8337 FSP -1847 SG1 5292.5 SG2 310.4 THA 1.04 EL1 3386.0 EL2 71.7 ALF 177.20

LAUNCH DATE JUN 6 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 506.313

RL 151.81 LAL - .00 LOL 254.62 VL 26.620 GAL 2.61 AZL 93.32 HCA 233.89 SMA 127.63 ECC .19467 INC 3.3165 V1 29.349
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.812 GAP 6.62 AZP 88.04 TAL 169.07 TAP 42.96 RCA 102.78 APO 152.47 V2 35.259
 RC 129.165 GL -27.40 GP -.99 ZAL 72.92 ZAP 152.23 ETS 358.72 ZAE 131.27 ETE 180.90 ZAC 108.77 ETC 15.29 CLP-152.24

PLANETOCENTRIC CONIC

C3 11.172 VHL 3.342 DLA -26.52 RAL 171.84 RAD 6567.4 VEL 11.513 PTH 2.01 VHP 4.942 DPA 11.40 RAP 158.92 ECC 1.1839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 24 22 1051.90 15.48 334.14 28.78 114.01 10 41 54 451.9 18.59 326.85
 90.00 13 20 59 5761.10 27.07 273.83 32.41 98.63 14 57 0 5161.1 27.99 265.28
 100.00 11 15 22 887.21 13.34 320.99 27.72 117.00 11 30 9 287.2 16.86 313.96
 100.00 15 12 40 5401.02 29.42 247.66 32.74 95.54 16 42 41 4801.0 29.88 238.89
 110.00 11 31 55 835.25 9.23 314.63 25.30 123.06 11 45 50 235.2 13.52 308.16
 110.00 17 12 36 5025.75 34.17 219.39 32.97 89.12 18 36 22 4425.7 33.67 210.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9964 TRA .8902 TC3-5.7274 BAU .8569 SGT 5411.0 SGR 336.2 SG3 531.2 ST 3462.0 SR 199.7 SS 1766.4
 RDE .1127 RRA .0870 RC3 -.3274 FAU .06815 RRT .2534 RRF .2391 RTF .9757 CRT -.9183 CRS .8885 CST -.9974
 FDE-2.3546 FRA 1.5701 FC3-5.2809 BSP 17033 SGB 5421.4 R23 -.0094 R13 .9757 LSA 3889.2 MSA 134.4 SSA 16.9
 BDE 1.9995 BRA .8945 BC3 5.7368 FSP -1735 SG1 5411.7 SG2 325.2 THA .91 EL1 3466.9 EL2 79.0 ALF 176.97

LAUNCH DATE JUN 6 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 512.299

RL 151.81 LAL -.00 LOL 254.62 VL 26.590 GAL 2.91 AZL 93.33 HCA 237.14 SMA 127.43 ECC .19764 INC 3.3252 VI 29.349
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.792 GAP 7.01 AZP 88.19 TAL 168.01 TAP 45.15 RCA 102.25 APO 152.62 V2 35.259
 RC 131.355 GL -26.80 GP -.91 ZAL 70.87 ZAP 153.97 ETS 358.64 ZAE 130.52 ETE 180.92 ZAC 107.29 ETC 15.13 CLP-153.98

PLANETOCENTRIC CONIC

C3 11.672 VHL 3.416 DLA -26.86 RAL 174.12 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 5.131 DPA 10.92 RAP 160.38 ECC 1.1921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 42 5 1032.19 16.02 332.94 31.94 113.67 10 59 18 432.2 19.09 325.61
 90.00 13 21 27 5798.97 26.66 276.52 35.38 99.92 14 58 6 5199.0 27.76 268.03
 100.00 11 30 27 875.98 13.69 320.34 30.80 116.84 11 45 3 276.0 17.18 313.29
 100.00 15 15 46 5430.41 29.21 249.82 35.80 96.65 16 46 17 4830.4 29.82 241.07
 110.00 11 44 40 831.34 9.37 314.42 28.27 123.02 11 58 31 231.3 13.65 307.94
 110.00 17 18 3 5047.82 34.18 221.12 36.15 90.14 18 42 10 4447.8 33.82 211.89

DIFFERENTIAL CORRECTIONS

TDE-2.0727 TRA 1.0295 TC3-5.5897 BAU .8736
 RDE .1269 RRA .0914 RC3 -.3126 FAU .06253
 FDE-2.2333 FRA 1.5958 FC3-4.6380 BSP 17349
 BDE 2.0765 BRA 1.0335 BC3 5.5985 FSP -1623

MID-COURSE EXECUTION ACCURACY

SGT 5515.0 SGR 347.0 SG3 496.9
 RRT .2135 RRF .1981 RTF .9752
 SGB 5525.9 R23 -.0112 R13 .9752
 SG1 5515.5 SG2 339.0 THA .77

ORBIT DETERMINATION ACCURACY

ST 3526.1 SR 219.0 SS 1708.1
 CRT -.9180 CRS .8886 CST -.9975
 LSA 3921.6 MSA 139.6 SSA 17.3
 EL1 3531.8 EL2 86.7 ALF 176.73

LAUNCH DATE JUN 6 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 518.260

RL 151.81 LAL -.00 LOL 254.62 VL 26.561 GAL 3.23 AZL 93.33 HCA 240.39 SMA 127.24 ECC .20082 INC 3.3333 VI 29.349
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.770 GAP 7.40 AZP 88.35 TAL 166.93 TAP 47.32 RCA 101.69 APO 152.79 V2 35.259
 RC 133.537 GL -26.15 GP -.85 ZAL 68.81 ZAP 155.62 ETS 358.54 ZAE 129.84 ETE 180.94 ZAC 105.73 ETC 14.96 CLP-155.64

PLANETOCENTRIC CONIC

C3 12.239 VHL 3.498 DLA -27.15 RAL 176.43 RAD 6567.5 VEL 11.560 PTH 2.02 VHP 5.326 DPA 10.39 RAP 161.91 ECC 1.2014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 59 49 1013.97 16.51 331.84 35.20 113.33 11 16 43 414.0 19.53 324.46
 90.00 13 22 11 5837.17 26.18 279.22 38.42 101.19 14 59 28 5237.2 27.46 270.78
 100.00 11 45 16 867.15 13.96 319.82 33.97 116.70 11 59 43 267.1 17.43 312.75
 100.00 15 19 26 5459.22 28.96 251.93 38.94 97.74 16 50 25 4859.2 29.73 243.21
 110.00 11 57 12 829.65 9.43 314.33 31.31 123.01 12 11 2 229.6 13.72 307.85
 110.00 17 23 58 5069.49 34.17 222.81 39.42 91.14 18 48 28 4469.5 33.95 213.57

DIFFERENTIAL CORRECTIONS

TDE-2.1506 TRA 1.1761 TC3-5.4356 BAU .8907
 RDE .1416 RRA .0953 RC3 -.2965 FAU .05756
 FDE-2.1247 FRA 1.6158 FC3-4.0717 BSP 17709
 BDE 2.1553 BRA 1.1799 BC3 5.4437 FSP -1528

MID-COURSE EXECUTION ACCURACY

SGT 5617.5 SGR 357.2 SG3 465.8
 RRT .1753 RRF .1586 RTF .9750
 SGB 5628.8 R23 -.0131 R13 .9750
 SG1 5617.8 SG2 351.7 THA .64

ORBIT DETERMINATION ACCURACY

ST 3583.4 SR 237.9 SS 1653.5
 CRT -.9173 CRS .8885 CST -.9976
 LSA 3951.1 MSA 141.0 SSA 17.6
 EL1 3590.0 EL2 94.6 ALF 176.51

LAUNCH DATE JUN 6 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 524.193

RL 151.81 LAL -.00 LOL 254.62 VL 26.530 GAL 3.57 AZL 93.34 HCA 243.64 SMA 127.04 ECC .20423 INC 3.3409 VI 29.349
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.748 GAP 7.80 AZP 88.52 TAL 165.84 TAP 49.47 RCA 101.10 APO 152.99 V2 35.257
 RC 135.709 GL -25.46 GP -.79 ZAL 66.73 ZAP 157.20 ETS 358.43 ZAE 129.23 ETE 180.95 ZAC 104.09 ETC 14.79 CLP-157.21

PLANETOCENTRIC CONIC

C3 12.883 VHL 3.589 DLA -27.41 RAL 178.77 RAD 6567.5 VEL 11.587 PTH 2.03 VHP 5.528 DPA 9.82 RAP 163.51 ECC 1.2120
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 17 24 997.63 16.95 330.84 38.54 113.03 11 34 2 397.6 19.93 323.42
 90.00 13 23 15 5875.40 25.65 281.89 41.52 102.43 15 1 11 5275.4 27.11 273.52
 100.00 11 59 39 861.09 14.14 319.47 37.19 116.61 12 14 1 261.1 17.60 312.38
 100.00 15 23 41 5487.17 28.69 253.96 42.16 98.77 16 55 8 4887.2 29.61 245.28
 110.00 12 9 27 830.36 9.41 314.37 34.42 123.02 12 23 17 230.4 13.69 307.89
 110.00 17 30 23 5090.67 34.13 224.46 42.77 92.12 18 55 14 4490.7 34.04 215.22

DIFFERENTIAL CORRECTIONS

TDE-2.2271 TRA 1.3333 TC3-5.2559 BAU .9065
 RDE .1571 RRA .0988 RC3 -.2790 FAU .05292
 FDE-2.0222 FRA 1.6360 FC3-3.5561 BSP 18049
 BDE 2.2326 BRA 1.3369 BC3 5.2633 FSP -1440

MID-COURSE EXECUTION ACCURACY

SGT 5711.5 SGR 366.8 SG3 437.1
 RRT .1383 RRF .1207 RTF .9746
 SGB 5723.3 R23 -.0147 R13 .9746
 SG1 5711.8 SG2 363.3 THA .51

ORBIT DETERMINATION ACCURACY

ST 3628.9 SR 256.5 SS 1598.7
 CRT -.9161 CRS .8877 CST -.9977
 LSA 3971.1 MSA 143.4 SSA 17.7
 EL1 3636.5 EL2 102.6 ALF 176.29

LAUNCH DATE JUN 6 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 530.096

RL 151.81 LAL -.00 LOL 254.62 VL 26.499 GAL 3.92 AZL 93.35 HCA 246.88 SMA 126.85 ECC .20787 INC 3.3481 VI 29.349
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.724 GAP 8.21 AZP 88.68 TAL 164.72 TAP 51.61 RCA 100.48 APO 153.21 V2 35.255
 RC 137.871 GL -24.74 GP -.74 ZAL 64.66 ZAP 158.70 ETS 358.30 ZAE 128.68 ETE 180.96 ZAC 102.39 ETC 14.62 CLP-158.71

PLANETOCENTRIC CONIC

C3 13.613 VHL 3.690 DLA -27.62 RAL 181.12 RAD 6567.5 VEL 11.619 PTH 2.04 VHP 5.737 DPA 9.20 RAP 165.17 ECC 1.2240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 34 38 983.76 17.32 329.98 41.95 112.76 11 51 1 383.8 20.26 322.54
 90.00 13 24 47 625.12 25.07 306.60 44.68 103.61 13 35 12 25.1 26.70 298.31
 100.00 12 13 28 858.20 14.23 319.30 40.48 116.57 12 27 47 258.2 17.69 312.21
 100.00 15 28 37 5513.95 28.40 255.90 45.45 99.75 17 0 31 4913.9 29.45 247.25
 110.00 12 21 18 833.63 9.29 314.55 37.58 123.05 12 35 11 233.6 13.57 308.07
 110.00 17 37 17 5111.29 34.06 226.07 46.19 93.07 19 2 28 4511.3 34.11 216.82

DIFFERENTIAL CORRECTIONS

TDE-2.3024 TRA 1.5010 TC3-5.0553 BAU .9213
 RDE .1734 RRA .1017 RC3 -.2604 FAU .04864
 FDE-1.9266 FRA 1.6545 FC3-3.0933 BSP 18371
 BDE 2.3090 BRA 1.5045 BC3 5.0620 FSP -1360

MID-COURSE EXECUTION ACCURACY

SGT 5798.4 SGR 375.7 SG3 410.5
 RRT .1022 RRF .0838 RTF .9744
 SGB 5810.5 R23 -.0163 R13 .9744
 SG1 5798.5 SG2 373.7 THA .38

ORBIT DETERMINATION ACCURACY

ST 3663.2 SR 274.6 SS 1544.6
 CRT -.9146 CRS .8866 CST -.9978
 LSA 3982.3 MSA 146.3 SSA 17.7
 EL1 3671.8 EL2 110.8 ALF 176.07

LAUNCH DATE JUN 6 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 535.969

RL 151.81 LAL -1.00 LOL 254.62 VL 26.468 GAL 4.29 AZL 93.35 HCA 250.13 SMA 126.65 ECC .21178 INC 3.3549 V1 29.349
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.700 GAP 8.63 AZP 88.86 TAL 163.59 TAP 53.72 RCA 99.83 APO 153.47 V2 35.253
 RC 140.023 GL -23.98 GP -.70 ZAL 62.59 ZAP 160.14 ETS 358.17 ZAE 128.18 ETE 180.96 ZAC 100.63 ETC 14.45 CLP-160.15

PLANETOCENTRIC CONIC

C3 14.441 VHL 3.800 DLA -27.79 RAL 183.47 RAD 6567.6 VEL 11.654 PTH 2.05 VHP 5.953 DPA 8.55 RAP 166.87 ECC 1.2377
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 51 12 973.14 17.60 329.33 45.41 112.55 12 7 25 373.1 20.50 321.86
 90.00 13 26 58 661.70 24.46 309.10 47.88 104.73 13 38 0 61.7 26.25 300.89
 100.00 12 26 34 858.85 14.21 319.34 43.80 116.58 12 40 52 258.8 17.67 312.25
 100.00 15 34 18 5539.26 28.09 257.72 48.80 100.66 17 6 37 4939.3 29.28 249.11
 110.00 12 32 41 839.59 9.06 314.87 40.78 123.10 12 46 41 239.6 13.36 308.40
 110.00 17 44 39 5131.28 33.98 227.62 49.68 93.98 19 10 11 4531.3 34.16 218.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3729 TRA 1.6841 TC3-4.8256 BAU .9328 SGT 5872.8 SGR 383.9 SG3 385.5 ST 3681.4 SR 292.2 SS 1488.3
 RDE .1905 RRA .1039 RC3 -.2409 FAU .04447 RRT .0675 RRF .0487 RTF .9739 CRT -.9123 CRS .8845 CST -.9979
 FDE-1.8326 FRA 1.6770 FC3-2.6658 BSP 18574 SGB 5885.3 R23 -.0173 R13 .9739 LSA 3978.7 MSA 150.4 SSA 17.6
 BDE 2.3805 BRA 1.6873 BC3 4.8316 FSP -1276 SG1 5872.8 SG2 383.0 THA .25 EL1 3691.1 EL2 119.3 ALF 175.85

LAUNCH DATE JUN 6 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 541.807

RL 151.81 LAL -1.00 LOL 254.62 VL 26.437 GAL 4.69 AZL 93.36 HCA 253.38 SMA 126.44 ECC .21596 INC 3.3614 V1 29.349
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.675 GAP 9.05 AZP 89.04 TAL 162.45 TAP 55.83 RCA 99.14 APO 153.75 V2 35.249
 RC 142.165 GL -23.20 GP -.66 ZAL 60.54 ZAP 161.53 ETS 358.02 ZAE 127.72 ETE 180.97 ZAC 98.82 ETC 14.29 CLP-161.54

PLANETOCENTRIC CONIC

C3 15.378 VHL 3.922 DLA -27.92 RAL 185.81 RAD 6567.6 VEL 11.695 PTH 2.06 VHP 6.178 DPA 7.86 RAP 168.62 ECC 1.2531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 6 43 967.00 17.76 328.95 48.89 112.42 12 22 50 367.0 20.65 321.46
 90.00 13 30 8 695.94 23.85 311.42 51.14 105.74 13 41 44 95.9 25.78 303.29
 100.00 12 38 46 863.38 14.07 319.60 47.14 116.65 12 53 9 263.4 17.54 312.52
 100.00 15 40 46 5562.82 27.78 259.40 52.20 101.50 17 13 29 4962.8 29.09 250.84
 110.00 12 43 33 848.36 8.74 315.33 44.01 123.18 12 57 41 248.4 13.04 308.88
 110.00 17 52 29 5150.62 33.88 229.12 53.22 94.87 19 18 19 4550.6 34.18 219.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4461 TRA 1.8752 TC3-4.5913 BAU .9450 SGT 5945.9 SGR 391.4 SG3 362.7 ST 3694.5 SR 309.0 SS 1435.9
 RDE .2084 RRA .1054 RC3 -.2210 FAU .04076 RRT .0327 RRF .0136 RTF .9736 CRT -.9102 CRS .8826 CST -.9980
 FDE-1.7486 FRA 1.6953 FC3-2.2946 BSP 18858 SGB 5958.7 R23 -.0184 R13 .9736 LSA 3972.7 MSA 154.7 SSA 17.4
 BDE 2.4549 BRA 1.8782 BC3 4.5966 FSP -1207 SG1 5945.9 SG2 391.2 THA .12 EL1 3705.2 EL2 127.6 ALF 175.64

LAUNCH DATE JUN 6 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 547.608

RL 151.81 LAL -1.00 LOL 254.62 VL 26.405 GAL 5.11 AZL 93.37 HCA 256.62 SMA 126.24 ECC .22044 INC 3.3677 V1 29.349
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.648 GAP 9.49 AZP 89.22 TAL 161.30 TAP 57.92 RCA 98.41 APO 154.07 V2 35.245
 RC 144.295 GL -22.40 GP -.63 ZAL 58.51 ZAP 162.86 ETS 357.85 ZAE 127.31 ETE 180.96 ZAC 96.96 ETC 14.14 CLP-162.87

PLANETOCENTRIC CONIC

C3 16.440 VHL 4.055 DLA -28.00 RAL 188.13 RAD 6567.7 VEL 11.740 PTH 2.07 VHP 6.412 DPA 7.14 RAP 170.41 ECC 1.2706
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 20 39 966.92 17.76 328.94 52.38 112.42 12 36 46 366.9 20.65 321.46
 90.00 13 34 44 726.30 23.27 313.46 54.46 106.60 13 46 50 126.3 25.33 305.40
 100.00 12 49 59 872.06 13.81 320.11 50.50 116.78 13 4 31 272.1 17.29 313.05
 100.00 15 48 5 5584.43 27.48 260.93 55.66 102.25 17 21 9 4984.4 28.89 252.41
 110.00 12 53 50 859.97 8.30 315.95 47.26 123.28 13 8 10 260.0 12.63 309.52
 110.00 18 0 43 5169.29 33.76 230.57 56.81 95.72 19 26 53 4569.3 34.18 221.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5176 TRA 2.0792 TC3-4.3438 BAU .9557 SGT 6011.5 SGR 398.0 SG3 341.6 ST 3696.6 SR 325.1 SS 1384.5
 RDE .2272 RRA .1060 RC3 -.2010 FAU .03728 RRT -.0015 RRF -.0208 RTF .9734 CRT -.9078 CRS .8805 CST -.9980
 FDE-1.6697 FRA 1.7140 FC3-1.9634 BSP 19114 SGB 6024.7 R23 .0193 R13 -.9734 LSA 3957.5 MSA 159.4 SSA 17.1
 BDE 2.5278 BRA 2.0819 BC3 4.3484 FSP -1142 SG1 6011.5 SG2 398.0 THA 179.99 EL1 3708.4 EL2 136.0 ALF 175.43

LAUNCH DATE JUN 6 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 553.369

RL 151.81 LAL -1.00 LOL 254.62 VL 26.373 GAL 5.55 AZL 93.37 HCA 259.87 SMA 126.04 ECC .22526 INC 3.3739 V1 29.349
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.621 GAP 9.94 AZP 89.41 TAL 160.13 TAP 60.00 RCA 97.65 APO 154.43 V2 35.240
 RC 146.414 GL -21.58 GP -.59 ZAL 56.51 ZAP 164.15 ETS 357.67 ZAE 126.93 ETE 180.95 ZAC 95.05 ETC 14.00 CLP-164.16

PLANETOCENTRIC CONIC

C3 17.641 VHL 4.200 DLA -28.04 RAL 190.43 RAD 6567.7 VEL 11.791 PTH 2.08 VHP 6.656 DPA 6.39 RAP 172.23 ECC 1.2903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 32 22 974.79 17.56 329.43 55.83 112.58 12 48 36 374.8 20.47 321.96
 90.00 13 41 18 750.94 22.78 315.10 57.85 107.29 13 53 49 150.9 24.94 307.09
 100.00 13 0 7 885.02 13.41 320.86 53.85 116.97 13 14 52 285.0 16.92 313.83
 100.00 15 56 14 5603.98 27.19 262.31 59.16 102.92 17 29 38 5004.0 28.70 253.84
 110.00 13 3 29 874.45 7.76 316.73 50.51 123.39 13 18 3 274.4 12.10 310.32
 110.00 18 9 21 5187.32 33.63 231.96 60.44 96.53 19 35 48 4587.3 34.17 222.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5886 TRA 2.2959 TC3-4.0876 BAU .9650 SGT 6070.6 SGR 404.0 SG3 321.9 ST 3689.6 SR 340.3 SS 1334.8
 RDE .2468 RRA .1056 RC3 -.1812 FAU .03404 RRT -.0356 RRF -.0547 RTF .9731 CRT -.9051 CRS .8781 CST -.9981
 FDE-1.5960 FRA 1.7327 FC3-1.6705 BSP 19352 SGB 6084.0 R23 .0200 R13 -.9731 LSA 3934.9 MSA 164.6 SSA 16.7
 BDE 2.6004 BRA 2.2983 BC3 4.0916 FSP -1081 SG1 6070.6 SG2 403.7 THA 179.86 EL1 3702.5 EL2 144.2 ALF 175.22

LAUNCH DATE JUN 6 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 559.087

RL 151.81 LAL -.00 LOL 254.62 VL 26.341 GAL 6.02 AZL 93.38 HCA 263.11 SMA 125.84 ECC .23042 INC 3.3800 V1 29.349
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.594 GAP 10.41 AZP 89.59 TAL 158.96 TAP 62.08 RCA 96.84 APO 154.84 V2 35.234
 RC 148.521 GL -20.75 GP -.57 ZAL 54.55 ZAP 165.40 ETS 357.47 ZAE 126.57 ETE 180.94 ZAC 93.12 ETC 13.86 CLP-165.42

PLANETOCENTRIC CONIC

C3 19.002 VHL 4.359 DLA -28.05 RAL 192.68 RAD 6567.8 VEL 11.848 PTH 2.10 VHP 6.911 DPA 5.62 RAP 174.07 ECC 1.3127
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 41 27 991.87 17.11 330.48 59.23 112.92 12 57 59 391.9 20.06 323.06
 90.00 13 50 12 768.64 22.42 316.27 61.32 107.76 14 3 0 168.6 24.64 308.31
 100.00 13 9 8 902.30 12.87 321.87 57.18 117.21 13 24 11 302.3 16.42 314.87
 100.00 16 5 11 5621.49 26.92 263.54 62.71 103.52 17 38 52 5021.5 28.51 255.10
 110.00 13 12 29 891.78 7.11 317.65 53.76 123.52 13 27 21 291.8 11.47 311.26
 110.00 18 18 19 5204.77 33.49 233.30 64.11 97.31 19 45 4 4604.8 34.13 224.12

DIFFERENTIAL CORRECTIONS

TDE-2.6549 TRA 2.5301 TC3-3.8167 BAU .9705
 RDE .2673 RRA .1041 RC3 -.1618 FAU .03084
 FDE-1.5237 FRA 1.7547 FC3-1.4050 BSP 19480
 BDE 2.6683 BRA 2.5322 BC3 3.8202 FSP -1018

MID-COURSE EXECUTION ACCURACY

SGT 6119.4 SGR 409.1 SG3 303.5
 RRT -.0687 RRF -.0873 RTF .9728
 SGB 6133.1 R23 .0202 R13 -.9728
 SG1 6119.5 SG2 408.1 THA 179.74

ORBIT DETERMINATION ACCURACY

ST 3669.5 SR 354.4 SS 1284.4
 CRT -.9019 CRS .8749 CST -.9982
 LSA 3900.1 MSA 170.4 SSA 16.4
 EL1 3683.4 EL2 152.5 ALF 175.01

LAUNCH DATE JUN 6 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 564.755

RL 151.81 LAL -.00 LOL 254.62 VL 26.309 GAL 6.51 AZL 93.39 HCA 266.36 SMA 125.64 ECC .23598 INC 3.3859 V1 29.349
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.565 GAP 10.90 AZP 89.78 TAL 157.79 TAP 64.15 RCA 95.99 APO 155.28 V2 35.228
 RC 150.615 GL -19.91 GP -.54 ZAL 52.63 ZAP 166.62 ETS 357.25 ZAE 126.24 ETE 180.93 ZAC 91.15 ETC 13.75 CLP-166.63

PLANETOCENTRIC CONIC

C3 20.544 VHL 4.533 DLA -28.01 RAL 194.89 RAD 6567.8 VEL 11.913 PTH 2.12 VHP 7.179 DPA 4.83 RAP 175.94 ECC 1.3381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 47 55 1017.97 16.41 332.08 62.56 113.41 13 4 53 418.0 19.44 324.71
 90.00 14 1 19 779.60 22.19 317.00 64.88 108.05 14 14 18 179.6 24.45 309.06
 100.00 13 17 3 923.78 12.20 323.11 60.50 117.50 13 32 27 323.8 15.79 316.15
 100.00 16 14 53 5637.06 26.67 264.63 66.29 104.04 17 48 50 5037.1 28.33 256.23
 110.00 13 20 50 911.90 6.35 318.71 57.00 123.66 13 36 2 311.9 10.73 312.36
 110.00 18 27 35 5221.71 33.33 234.60 67.80 98.07 19 54 37 4621.7 34.09 225.44

DIFFERENTIAL CORRECTIONS

TDE-2.7251 TRA 2.7746 TC3-3.5532 BAU .9767
 RDE .2885 RRA .1015 RC3 -.1431 FAU .02801
 FDE-1.4600 FRA 1.7741 FC3-1.1802 BSP 19688
 BDE 2.7403 BRA 2.7764 BC3 3.5561 FSP -966

MID-COURSE EXECUTION ACCURACY

SGT 6166.3 SGR 413.4 SG3 286.6
 RRT -.1024 RRF -.1204 RTF .9726
 SGB 6180.1 R23 .0205 R13 -.9727
 SG1 6166.4 SG2 411.2 THA 179.60

ORBIT DETERMINATION ACCURACY

ST 3646.4 SR 367.3 SS 1238.6
 CRT -.8989 CRS .8721 CST -.9982
 LSA 3864.5 MSA 175.9 SSA 16.0
 EL1 3661.4 EL2 160.3 ALF 174.82

LAUNCH DATE JUN 6 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 570.369

RL 151.81 LAL -.00 LOL 254.62 VL 26.276 GAL 7.04 AZL 93.39 HCA 269.60 SMA 125.44 ECC .24196 INC 3.3918 V1 29.349
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.536 GAP 11.40 AZP 89.98 TAL 156.62 TAP 66.21 RCA 95.09 APO 155.78 V2 35.221
 RC 152.696 GL -19.07 GP -.52 ZAL 50.75 ZAP 167.81 ETS 357.01 ZAE 125.94 ETE 180.91 ZAC 89.15 ETC 13.64 CLP-167.82

PLANETOCENTRIC CONIC

C3 22.293 VHL 4.722 DLA -27.93 RAL 197.04 RAD 6567.9 VEL 11.986 PTH 2.14 VHP 7.461 DPA 4.02 RAP 177.84 ECC 1.3669
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 52 17 1051.41 15.49 334.11 65.82 114.00 13 9 49 451.4 18.61 326.82
 90.00 14 14 7 785.50 22.07 317.38 68.50 108.21 14 27 13 185.5 24.35 309.46
 100.00 13 23 53 949.24 11.40 324.57 63.78 117.82 13 39 42 349.2 15.03 317.67
 100.00 16 25 12 5650.95 26.43 265.60 69.91 104.49 17 59 23 5051.0 28.16 257.22
 110.00 13 28 30 934.72 5.49 319.91 60.22 123.79 13 44 5 334.7 9.89 313.59
 110.00 18 37 5 5238.23 33.17 235.86 71.51 98.79 20 4 23 4638.2 34.03 226.73

DIFFERENTIAL CORRECTIONS

TDE-2.7950 TRA 3.0347 TC3-3.2882 BAU .9807
 RDE .3105 RRA .0975 RC3 -.1254 FAU .02531
 FDE-1.4003 FRA 1.7947 FC3 -.9830 BSP 19875
 BDE 2.8122 BRA 3.0363 BC3 3.2906 FSP -917

MID-COURSE EXECUTION ACCURACY

SGT 6206.4 SGR 417.0 SG3 270.8
 RRT -.1360 RRF -.1531 RTF .9726
 SGB 6220.4 R23 .0205 R13 -.9726
 SG1 6206.7 SG2 413.1 THA 179.47

ORBIT DETERMINATION ACCURACY

ST 3616.1 SR 378.9 SS 1194.7
 CRT -.8957 CRS .8692 CST -.9983
 LSA 3822.9 MSA 181.4 SSA 15.6
 EL1 3632.1 EL2 167.7 ALF 174.63

LAUNCH DATE JUN 6 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 575.922

RL 151.81 LAL -.00 LOL 254.62 VL 26.244 GAL 7.60 AZL 93.40 HCA 272.84 SMA 125.23 ECC .24840 INC 3.3977 V1 29.349
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.506 GAP 11.93 AZP 90.17 TAL 155.45 TAP 68.28 RCA 94.13 APO 156.34 V2 35.214
 RC 154.762 GL -18.23 GP -.50 ZAL 48.93 ZAP 168.97 ETS 356.73 ZAE 125.64 ETE 180.88 ZAC 87.13 ETC 13.56 CLP-168.98

PLANETOCENTRIC CONIC

C3 24.278 VHL 4.927 DLA -27.82 RAL 199.13 RAD 6568.0 VEL 12.069 PTH 2.16 VHP 7.758 DPA 3.19 RAP 179.74 ECC 1.3996
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 55 8 1090.21 14.40 336.44 69.03 114.65 13 13 18 490.2 17.61 329.23
 90.00 14 27 58 788.32 22.01 317.57 72.17 108.28 14 41 7 188.3 24.30 309.65
 100.00 13 29 44 978.36 10.47 326.23 67.03 118.16 13 46 2 378.4 14.15 319.38
 100.00 16 36 3 5663.45 26.22 266.46 73.55 104.90 18 10 27 5063.5 28.01 258.12
 110.00 13 35 32 960.13 4.53 321.25 63.43 123.92 13 51 32 360.1 8.95 314.95
 110.00 18 46 45 5254.44 32.99 237.10 75.23 99.50 20 14 19 4654.4 33.95 227.99

DIFFERENTIAL CORRECTIONS

TDE-2.8652 TRA 3.3112 TC3-3.0250 BAU .9825
 RDE .3332 RRA .0922 RC3 -.1087 FAU .02276
 FDE-1.3448 FRA 1.8165 FC3 -.8117 BSP 20036
 BDE 2.8845 BRA 3.3125 BC3 3.0270 FSP -870

MID-COURSE EXECUTION ACCURACY

SGT 6240.3 SGR 419.8 SG3 256.2
 RRT -.1694 RRF -.1854 RTF .9725
 SGB 6254.4 R23 .0202 R13 -.9726
 SG1 6240.7 SG2 413.7 THA 179.34

ORBIT DETERMINATION ACCURACY

ST 3579.7 SR 389.2 SS 1153.1
 CRT -.8923 CRS .8660 CST -.9984
 LSA 3776.2 MSA 186.9 SSA 15.2
 EL1 3596.5 EL2 174.8 ALF 174.45

LAUNCH DATE JUN 6 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 581.408

RL 151.81 LAL -1.00 LOL 254.62 VL 26.212 GAL 8.19 AZL 93.40 HCA 276.08 SMA 125.03 ECC .25536 INC 3.4036 V1 29.349
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.476 GAP 12.49 AZP 90.36 TAL 154.28 TAP 70.36 RCA 93.11 APO 156.96 V2 35.205
 RC 156.813 GL -17.40 GP -.48 ZAL 47.16 ZAP 170.11 ETS 356.42 ZAE 125.36 ETE 180.85 ZAC 85.10 ETC 13.49 CLP-170.13

PLANETOCENTRIC CONIC

C3 26.535 VHL 5.151 DLA -27.68 RAL 201.16 RAD 6568.1 VEL 12.162 PTH 2.18 VHP 8.072 DPA 2.34 RAP 181.67 ECC 1.4367
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 56 55 1132.77 13.18 338.96 72.18 115.29 13 15 48 532.8 16.48 331.84
 90.00 14 42 21 789.63 21.98 317.65 75.87 108.32 14 55 31 189.6 24.28 309.74
 100.00 13 34 40 1010.78 9.42 328.07 70.24 118.50 13 51 30 410.8 13.16 321.27
 100.00 16 47 18 5674.90 26.01 267.25 77.20 105.27 18 21 52 5074.9 27.86 258.94
 110.00 13 41 55 987.99 3.47 322.71 66.60 124.03 13 58 23 388.0 7.91 316.44
 110.00 18 56 32 5270.45 32.80 238.31 78.96 100.20 20 24 22 4670.4 33.86 229.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9317 TRA 3.6094 TC3-2.7597 BAU .9796 SGT 6266.5 SGR 421.8 SG3 242.5 ST 3534.2 SR 397.9 SS 1112.4
 RDE .3565 RRA .0852 RC3 -.0934 FAU .02024 RRT -.2022 RRF -.2166 RTF .9726 CRT -.8884 CRS .8621 CST -.9984
 FDE-1.2910 FRA 1.8419 FC3 -.6604 BSP 20080 SGB 6280.7 R23 .0195 R13 -.9726 LSA 3721.4 MSA 192.4 SSA 14.8
 BDE 2.9533 BRA 3.6104 BC3 2.7613 FSP -.821 SG1 6267.1 SG2 413.1 THA 179.22 EL1 3551.9 EL2 181.7 ALF 174.27

LAUNCH DATE JUN 6 1967

FLIGHT TIME 208.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 586.816

RL 151.81 LAL -1.00 LOL 254.62 VL 26.180 GAL 8.82 AZL 93.41 HCA 279.31 SMA 124.84 ECC .26289 INC 3.4097 V1 29.349
 RP 107.67 LAP 3.36 LOP 173.95 VP 37.445 GAP 13.07 AZP 90.55 TAL 153.12 TAP 72.44 RCA 92.02 APO 157.65 V2 35.197
 RC 158.850 GL -16.57 GP -.46 ZAL 45.46 ZAP 171.24 ETS 356.05 ZAE 125.09 ETE 180.82 ZAC 83.05 ETC 13.44 CLP-171.25

PLANETOCENTRIC CONIC

C3 29.105 VHL 5.395 DLA -27.51 RAL 203.11 RAD 6568.2 VEL 12.267 PTH 2.21 VHP 8.406 DPA 1.49 RAP 183.60 ECC 1.4790
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 57 58 1178.01 11.85 341.62 75.29 115.91 13 17 36 578.0 15.24 334.58
 90.00 14 56 55 790.46 21.96 317.71 79.58 108.34 15 10 5 190.5 24.26 309.79
 100.00 13 38 46 1046.14 8.27 330.06 73.40 118.83 13 56 12 446.1 12.05 323.31
 100.00 16 58 47 5685.60 25.82 267.99 80.86 105.61 18 33 33 5085.6 27.71 259.70
 110.00 13 47 40 1018.16 2.32 324.29 69.75 124.11 14 4 39 418.2 6.78 318.04
 110.00 19 6 22 5286.35 32.61 239.51 82.69 100.88 20 34 28 4686.3 33.76 230.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0053 TRA 3.9207 TC3-2.5092 BAU .9769 SGT 6289.3 SGR 423.2 SG3 229.8 ST 3489.6 SR 405.1 SS 1076.5
 RDE .3805 RRA .0767 RC3 -.0793 FAU .01799 RRT -.2358 RRF -.2486 RTF .9728 CRT -.8849 CRS .8589 CST -.9985
 FDE-1.2447 FRA 1.8659 FC3 -.5350 BSP 20237 SGB 6303.5 R23 .0188 R13 -.9728 LSA 3668.9 MSA 197.1 SSA 14.4
 BDE 3.0293 BRA 3.9214 BC3 2.5105 FSP -.782 SG1 6290.1 SG2 411.2 THA 179.09 EL1 3508.0 EL2 187.7 ALF 174.12

LAUNCH DATE JUN 6 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 592.136

RL 151.81 LAL -1.00 LOL 254.62 VL 26.148 GAL 9.50 AZL 93.42 HCA 282.55 SMA 124.64 ECC .27104 INC 3.4158 V1 29.349
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.414 GAP 13.69 AZP 90.74 TAL 151.98 TAP 74.53 RCA 90.86 APO 158.42 V2 35.187
 RC 160.871 GL -15.75 GP -.45 ZAL 43.81 ZAP 172.35 ETS 355.60 ZAE 124.82 ETE 180.79 ZAC 80.99 ETC 13.41 CLP-172.37

PLANETOCENTRIC CONIC

C3 32.039 VHL 5.660 DLA -27.30 RAL 204.99 RAD 6568.3 VEL 12.386 PTH 2.24 VHP 8.762 DPA .62 RAP 185.54 ECC 1.5273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 58 27 1225.21 10.43 344.36 78.35 116.48 13 18 53 625.2 13.90 337.41
 90.00 15 11 25 791.46 21.94 317.77 83.28 108.37 15 24 37 191.5 24.25 309.86
 100.00 13 42 8 1084.09 7.01 332.18 76.53 119.13 14 0 12 484.1 10.85 325.49
 100.00 17 10 26 5695.85 25.63 268.69 84.53 105.93 18 45 22 5095.9 27.57 260.43
 110.00 13 52 50 1050.47 1.08 325.97 72.87 124.17 14 10 21 450.5 5.56 319.75
 110.00 19 16 13 5302.24 32.40 240.70 86.42 101.56 20 44 35 4702.2 33.65 231.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0800 TRA 4.2529 TC3-2.2650 BAU .9706 SGT 6306.0 SGR 423.8 SG3 217.9 ST 3440.6 SR 410.7 SS 1043.0
 RDE .4051 RRA .0663 RC3 -.0666 FAU .01582 RRT -.2691 RRF -.2803 RTF .9731 CRT -.8813 CRS .8556 CST -.9986
 FDE-1.2018 FRA 1.8923 FC3 -.4276 BSP 20359 SGB 6320.2 R23 .0179 R13 -.9732 LSA 3613.0 MSA 201.4 SSA 13.9
 BDE 3.1065 BRA 4.2534 BC3 2.2660 FSP -.744 SG1 6307.0 SG2 408.1 THA 178.96 EL1 3459.7 EL2 193.0 ALF 173.98

LAUNCH DATE JUN 6 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 597.355

RL 151.81 LAL -1.00 LOL 254.62 VL 26.116 GAL 10.23 AZL 93.42 HCA 285.78 SMA 124.44 ECC .27990 INC 3.4220 V1 29.349
 RP 107.73 LAP 3.29 LOP 180.43 VP 37.383 GAP 14.35 AZP 90.93 TAL 150.86 TAP 76.64 RCA 89.61 APO 159.28 V2 35.178
 RC 162.878 GL -14.94 GP -.43 ZAL 42.23 ZAP 173.46 ETS 355.04 ZAE 124.55 ETE 180.75 ZAC 78.92 ETC 13.40 CLP-173.47

PLANETOCENTRIC CONIC

C3 35.396 VHL 5.949 DLA -27.07 RAL 206.80 RAD 6568.4 VEL 12.521 PTH 2.27 VHP 9.143 DPA -.24 RAP 187.48 ECC 1.5825
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 58 31 1273.91 8.94 347.16 81.37 116.98 13 19 45 673.9 12.49 340.28
 90.00 15 25 44 793.02 21.91 317.88 86.98 108.41 15 38 57 193.0 24.22 309.97
 100.00 13 44 50 1124.30 5.67 334.41 79.61 119.40 14 3 34 524.3 9.55 327.77
 100.00 17 22 6 5705.90 25.44 269.38 88.18 106.25 18 57 12 5105.9 27.42 261.14
 110.00 13 57 25 1084.78 -.23 327.76 75.95 124.18 14 15 30 484.8 4.26 321.55
 110.00 19 26 0 5318.19 32.17 241.89 90.13 102.23 20 54 39 4718.2 33.52 232.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1575 TRA 4.6070 TC3-2.0296 BAU .9608 SGT 6317.1 SGR 423.6 SG3 206.8 ST 3389.1 SR 414.8 SS 1012.5
 RDE .4303 RRA .0541 RC3 -.0553 FAU .01376 RRT -.3025 RRF -.3118 RTF .9737 CRT -.8776 CRS .8523 CST -.9986
 FDE-1.1629 FRA 1.9209 FC3 -.3365 BSP 20461 SGB 6331.3 R23 .0168 R13 -.9737 LSA 3555.4 MSA 205.2 SSA 13.5
 BDE 3.1866 BRA 4.6073 BC3 2.0304 FSP -.707 SG1 6318.4 SG2 403.7 THA 178.83 EL1 3408.7 EL2 197.7 ALF 173.85

LAUNCH DATE JUN 6 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 602.457

RL 151.81 LAL -1.00 LOL 254.62 VL 26.084 GAL 11.01 AZL 93.43 HCA 289.02 SMA 124.25 ECC .28954 INC 3.4285 V1 29.349
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.351 GAP 15.05 AZP 91.12 TAL 149.75 TAP 78.77 RCA 88.28 APO 160.23 V2 35.167
 RC 164.869 GL -14.15 GP -.42 ZAL 40.72 ZAP 174.56 ETS 354.28 ZAE 124.28 ETE 180.72 ZAC 76.86 ETC 13.41 CLP-174.57

PLANETOCENTRIC CONIC

C3 39.247 VHL 6.265 DLA -26.82 RAL 208.52 RAD 6568.5 VEL 12.673 PTH 2.30 VHP 9.551 DPA -1.11 RAP 189.42 ECC 1.6459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 58 14 1323.79 7.39 350.00 84.35 117.41 13 20 18 723.8 11.00 343.19
 90.00 15 39 45 795.34 21.86 318.03 90.65 108.47 15 53 0 195.3 24.18 310.13
 100.00 13 46 56 1166.46 4.26 336.75 82.64 119.62 14 6 23 566.5 8.17 330.14
 100.00 17 33 44 5715.94 25.25 270.06 91.82 106.56 19 9 0 5115.9 27.27 261.85
 110.00 14 1 27 1120.91 -1.61 329.65 78.99 124.15 14 20 8 520.9 2.88 323.44
 110.00 19 35 43 5334.26 31.93 243.08 93.82 102.90 21 4 37 4734.3 33.38 234.15

DIFFERENTIAL CORRECTIONS

TDE-3.2384 TRA 4.9849 TC3-1.8038 BAU .9468
 RDE .4559 RRA .0398 RC3 -.0455 FAU .01177
 FDE-1.1279 FRA 1.9523 FC3 -.2596 BSP 20543
 BDE 3.2703 BRA 4.9851 BC3 1.8044 FSP -673

MID-COURSE EXECUTION ACCURACY

SGT 6322.7 SGR 422.8 SG3 196.5
 RRT -.3358 RRF -.3431 RTF .9743
 SGB 6336.8 R23 .0156 R13 -.9743
 SG1 6324.3 SG2 398.2 THA 178.71

ORBIT DETERMINATION ACCURACY

ST 3335.5 SR 417.1 SS 984.9
 CRT -.8740 CRS .8491 CST -.9987
 LSA 3496.5 MSA 208.2 SSA 13.1
 EL1 3355.4 EL2 201.5 ALF 173.74

LAUNCH DATE JUN 6 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 607.424

RL 151.81 LAL -1.00 LOL 254.62 VL 26.053 GAL 11.84 AZL 93.44 HCA 292.25 SMA 124.06 ECC .30006 INC 3.4352 V1 29.349
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.319 GAP 15.80 AZP 91.30 TAL 148.68 TAP 80.93 RCA 86.84 APO 161.29 V2 35.156
 RC 166.846 GL -13.37 GP -.41 ZAL 39.28 ZAP 175.66 ETS 353.20 ZAE 124.00 ETE 180.67 ZAC 74.80 ETC 13.44 CLP-175.68

PLANETOCENTRIC CONIC

C3 43.681 VHL 6.609 DLA -26.54 RAL 210.15 RAD 6568.7 VEL 12.847 PTH 2.34 VHP 9.992 DPA -1.98 RAP 191.37 ECC 1.7189
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 57 37 1374.65 5.78 352.88 87.28 117.77 13 20 32 774.6 9.46 346.13
 90.00 15 53 25 798.49 21.79 318.23 94.30 108.55 16 6 44 198.5 24.12 310.34
 100.00 13 48 30 1210.33 2.78 339.16 85.63 119.77 14 8 40 610.3 6.72 332.59
 100.00 17 45 14 5726.08 25.05 270.75 95.44 106.87 19 20 40 5126.1 27.12 262.56
 110.00 14 4 56 1158.71 -3.05 331.62 82.00 124.06 14 24 15 558.7 1.44 325.42
 110.00 19 45 16 5350.47 31.68 244.28 97.48 103.56 21 14 27 4750.5 33.22 235.39

DIFFERENTIAL CORRECTIONS

TDE-3.3203 TRA 5.3923 TC3-1.5855 BAU .9262
 RDE .4819 RRA .0233 RC3 -.0372 FAU .00978
 FDE-1.0951 FRA 1.9883 FC3 -.1938 BSP 20526
 BDE 3.3550 BRA 5.3923 BC3 1.5860 FSP -637

MID-COURSE EXECUTION ACCURACY

SGT 6323.1 SGR 421.2 SG3 186.9
 RRT -.3686 RRF -.3738 RTF .9751
 SGB 6337.1 R23 .0140 R13 -.9751
 SG1 6325.0 SG2 391.4 THA 178.59

ORBIT DETERMINATION ACCURACY

ST 3278.2 SR 417.8 SS 959.5
 CRT -.8701 CRS .8456 CST -.9988
 LSA 3434.7 MSA 210.7 SSA 12.7
 EL1 3298.3 EL2 204.6 ALF 173.65

LAUNCH DATE JUN 6 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 612.230

RL 151.81 LAL -1.00 LOL 254.62 VL 26.022 GAL 12.75 AZL 93.44 HCA 295.47 SMA 123.87 ECC .31157 INC 3.4422 V1 29.349
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.287 GAP 16.60 AZP 91.48 TAL 147.65 TAP 83.12 RCA 85.28 APO 162.47 V2 35.145
 RC 168.808 GL -12.60 GP -.40 ZAL 37.92 ZAP 176.76 ETS 351.44 ZAE 123.71 ETE 180.63 ZAC 72.75 ETC 13.50 CLP-176.79

PLANETOCENTRIC CONIC

C3 48.805 VHL 6.986 DLA -26.24 RAL 211.70 RAD 6568.8 VEL 13.045 PTH 2.38 VHP 10.468 DPA -2.85 RAP 193.30 ECC 1.8032
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 56 41 1426.31 4.14 355.78 90.17 118.04 13 20 28 826.3 7.86 349.08
 90.00 16 6 42 802.47 21.70 318.49 97.91 108.65 16 20 4 202.5 24.05 310.61
 100.00 13 49 32 1255.66 1.25 341.65 88.57 119.87 14 10 27 655.7 5.21 335.11
 100.00 17 56 33 5736.39 24.84 271.45 99.01 107.18 19 32 9 5136.4 26.96 263.29
 110.00 14 7 54 1198.01 -4.55 333.68 84.96 123.92 14 27 52 598.0 -.07 327.47
 110.00 19 54 40 5366.81 31.41 245.48 101.11 104.23 21 24 7 4766.8 33.05 236.63

DIFFERENTIAL CORRECTIONS

TDE-3.4123 TRA 5.8240 TC3-1.3825 BAU .9022
 RDE .5083 RRA .0045 RC3 -.0300 FAU .00793
 FDE-1.0682 FRA 2.0261 FC3 -.1407 BSP 20593
 BDE 3.4499 BRA 5.8240 BC3 1.3828 FSP -608

MID-COURSE EXECUTION ACCURACY

SGT 6318.5 SGR 419.0 SG3 177.9
 RRT -.4018 RRF -.4050 RTF .9761
 SGB 6332.3 R23 .0124 R13 -.9761
 SG1 6320.7 SG2 383.6 THA 178.47

ORBIT DETERMINATION ACCURACY

ST 3223.0 SR 416.9 SS 938.4
 CRT -.8668 CRS .8428 CST -.9988
 LSA 3375.9 MSA 212.1 SSA 12.3
 EL1 3243.3 EL2 206.6 ALF 173.58

LAUNCH DATE JUN 6 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 616.847

RL 151.81 LAL -1.00 LOL 254.62 VL 25.991 GAL 13.73 AZL 93.45 HCA 298.70 SMA 123.69 ECC .32419 INC 3.4496 V1 29.349
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.254 GAP 17.48 AZP 91.66 TAL 146.66 TAP 85.36 RCA 83.59 APO 163.79 V2 35.134
 RC 170.755 GL -11.85 GP -.39 ZAL 36.63 ZAP 177.87 ETS 347.89 ZAE 123.40 ETE 180.59 ZAC 70.72 ETC 13.58 CLP-177.91

PLANETOCENTRIC CONIC

C3 54.749 VHL 7.399 DLA -25.92 RAL 213.16 RAD 6569.0 VEL 13.271 PTH 2.42 VHP 10.986 DPA -3.70 RAP 195.23 ECC 1.9010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 55 27 1478.65 2.46 358.71 93.01 118.22 13 20 6 878.7 6.21 352.05
 90.00 16 19 34 807.23 21.60 318.80 101.46 108.77 16 33 1 207.2 23.96 310.93
 100.00 13 50 4 1302.26 -.33 344.21 91.46 119.89 14 11 47 702.3 3.65 337.68
 100.00 18 7 37 5746.89 24.63 272.16 102.54 107.50 19 43 24 5146.9 26.79 264.02
 110.00 14 10 20 1238.67 -6.09 335.82 87.89 123.70 14 30 59 638.7 -1.62 329.59
 110.00 20 3 51 5383.25 31.13 246.67 104.67 104.89 21 33 34 4783.2 32.86 237.88

DIFFERENTIAL CORRECTIONS

TDE-3.5110 TRA 6.2877 TC3-1.1906 BAU .8716
 RDE .5352 RRA -.0168 RC3 -.0242 FAU .00611
 FDE-1.0452 FRA 2.0683 FC3 -.0967 BSP 20641
 BDE 3.5515 BRA 6.2877 BC3 1.1908 FSP -579

MID-COURSE EXECUTION ACCURACY

SGT 6308.8 SGR 416.2 SG3 169.5
 RRT -.4348 RRF -.4361 RTF .9773
 SGB 6322.5 R23 .0107 R13 -.9773
 SG1 6311.4 SG2 374.6 THA 178.35

ORBIT DETERMINATION ACCURACY

ST 3167.3 SR 414.4 SS 920.5
 CRT -.8636 CRS .8403 CST -.9989
 LSA 3317.4 MSA 212.6 SSA 11.9
 EL1 3187.5 EL2 207.6 ALF 173.52

LAUNCH DATE JUN 7 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 16 1967

HELIOCENTRIC CONIC

DISTANCE 152.144

RL 151.83 LAL -1.00 LOL 255.58 VL 21.067 GAL 4.94 AZL 93.36 HCA 58.30 SMA 101.74 ECC .49793 INC 3.3642 V1 29.345
 RP 108.94 LAP -2.86 LOP 313.84 VP 33.645 GAP -29.61 AZP 91.77 TAL 174.98 TAP 233.29 RCA 51.08 APO 152.40 V2 34.784
 RC 47.155 GL -8.21 GP .09 ZAL 79.39 ZAP 18.42 ETS 181.11 ZAE 165.48 ETE 136.43 ZAC 112.31 ETC 16.27 CLP 18.42

PLANETOCENTRIC CONIC

C3 74.451 VHL 8.629 DLA -6.06 RAL 173.34 RAD 6569.4 VEL 13.993 PTH 2.55 VHP 17.510 DPA 13.82 RAP 155.52 ECC 2.2253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 2 2350.01 -22.61 50.25 55.31 107.52 7 20 12 1750.0 -20.00 42.55
 90.00 17 8 25 5371.79 27.84 245.52 60.49 84.58 18 37 57 4771.8 26.79 237.01
 100.00 7 59 30 2096.87 -24.02 31.14 54.81 108.35 8 34 27 1496.9 -21.29 23.40
 100.00 18 32 38 5100.16 29.31 225.38 60.31 83.87 19 57 39 4500.2 28.15 216.76
 110.00 9 1 10 1903.81 -27.82 14.99 53.31 110.71 9 32 54 1303.8 -24.75 7.16
 110.00 19 47 28 4865.98 33.31 207.01 59.73 81.85 21 8 34 4266.0 31.83 198.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4728 TRA-1.0903 TC3 -.0513 BAU .0719 SGT 797.8 SGR 441.6 SG3 42.8 ST 382.5 SR 393.8 SS 346.0
 RDE -.5870 RRA -.2815 RC3 .0509 FAU .01664 RRT .0190 RRF -.0176 RTF -.6445 CRT -.7307 CRS -.8522 CST .9782
 FDE -.3163 FRA .4491 FC3 -.1934 BSP 2088 SGB 911.8 R23 -.0001 R13 -.6446 LSA 614.6 MSA 207.9 SSA 14.2
 BDE .7537 BRA 1.1261 BC3 .0723 FSP -91 SG1 797.9 SG2 441.5 THA .87 EL1 510.7 EL2 201.4 ALF 133.85

LAUNCH DATE JUN 7 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 158.532

RL 151.83 LAL -1.00 LOL 255.58 VL 21.568 GAL 4.70 AZL 93.37 HCA 61.47 SMA 103.43 ECC .47341 INC 3.3678 V1 29.345
 RP 108.94 LAP -2.96 LOP 317.01 VP 33.962 GAP -28.10 AZP 91.61 TAL 174.74 TAP 236.20 RCA 54.47 APO 152.40 V2 34.785
 RC 46.068 GL -8.93 GP .10 ZAL 79.08 ZAP 16.82 ETS 181.06 ZAE 166.67 ETE 128.54 ZAC 110.81 ETC 16.02 CLP 16.82

PLANETOCENTRIC CONIC

C3 66.153 VHL 8.133 DLA -6.86 RAL 173.36 RAD 6569.3 VEL 13.693 PTH 2.50 VHP 16.688 DPA 13.28 RAP 157.02 ECC 2.0887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 14 2296.81 -21.48 46.76 53.15 108.91 7 25 31 1696.8 -18.70 39.19
 90.00 17 2 22 5369.15 27.82 245.33 58.77 84.48 18 31 51 4769.1 26.76 236.82
 100.00 8 5 18 2044.96 -22.87 27.71 52.62 109.80 8 39 23 1445.0 -19.96 20.12
 100.00 18 26 59 5096.23 29.28 225.09 58.59 83.72 19 51 56 4496.2 28.11 216.48
 110.00 9 6 3 1854.73 -26.59 11.70 51.04 112.31 9 36 58 1254.7 -23.33 4.05
 110.00 19 42 43 4859.23 33.25 206.49 57.99 81.55 21 3 42 4259.2 31.72 197.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4732 TRA-1.0728 TC3 -.0417 BAU .0633 SGT 833.7 SGR 445.2 SG3 47.0 ST 404.1 SR 396.0 SS 367.3
 RDE -.5564 RRA -.2660 RC3 .0582 FAU .01721 RRT .0177 RRF -.0168 RTF -.6652 CRT -.7357 CRS -.8577 CST .9777
 FDE -.3336 FRA .4594 FC3 -.2252 BSP 2239 SGB 945.1 R23 -.0003 R13 -.6653 LSA 640.6 MSA 201.7 SSA 14.5
 BDE .7304 BRA 1.1053 BC3 .0716 FSP -102 SG1 833.8 SG2 445.1 THA .76 EL1 527.1 EL2 205.6 ALF 135.78

LAUNCH DATE JUN 7 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 164.973

RL 151.83 LAL -1.00 LOL 255.58 VL 22.032 GAL 4.44 AZL 93.37 HCA 64.63 SMA 105.09 ECC .45006 INC 3.3711 V1 29.345
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.260 GAP -26.67 AZP 91.45 TAL 174.54 TAP 239.17 RCA 57.79 APO 152.39 V2 34.787
 RC 45.125 GL -9.69 GP .10 ZAL 78.87 ZAP 15.22 ETS 181.03 ZAE 167.67 ETE 118.78 ZAC 109.31 ETC 15.78 CLP 15.22

PLANETOCENTRIC CONIC

C3 58.858 VHL 7.672 DLA -7.65 RAL 173.26 RAD 6569.1 VEL 13.424 PTH 2.45 VHP 15.898 DPA 12.72 RAP 158.51 ECC 1.9686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 52 57 2243.41 -20.26 43.32 50.92 110.22 7 30 21 1643.4 -17.32 35.87
 90.00 16 55 53 5366.04 27.80 245.11 56.90 84.37 18 25 19 4766.0 26.73 236.60
 100.00 8 10 37 1992.86 -21.63 24.34 50.37 111.16 8 43 50 1392.9 -18.56 16.89
 100.00 18 20 54 5091.82 29.25 224.76 56.72 83.55 19 45 46 4491.8 28.05 216.17
 110.00 9 10 28 1805.48 -25.28 8.47 48.72 113.81 9 40 34 1205.5 -21.84 1.01
 110.00 19 37 32 4851.97 33.17 205.94 56.11 81.23 20 58 24 4252.0 31.61 197.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4738 TRA-1.0547 TC3 -.0290 BAU .0568 SGT 871.1 SGR 448.0 SG3 51.6 ST 426.7 SR 397.4 SS 389.8
 RDE -.5267 RRA -.2508 RC3 .0661 FAU .01785 RRT .0166 RRF -.0161 RTF -.6848 CRT -.7411 CRS -.8633 CST .9772
 FDE -.3520 FRA .4694 FC3 -.2625 BSP 2382 SGB 979.6 R23 -.0006 R13 -.6849 LSA 668.1 MSA 212.8 SSA 14.8
 BDE .7084 BRA 1.0841 BC3 .0722 FSP -114 SG1 871.1 SG2 447.9 THA .67 EL1 544.3 EL2 209.2 ALF 137.74

LAUNCH DATE JUN 7 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 171.461

RL 151.83 LAL -1.00 LOL 255.58 VL 22.462 GAL 4.17 AZL 93.37 HCA 67.79 SMA 106.71 ECC .42790 INC 3.3743 V1 29.345
 RP 108.93 LAP -3.12 LOP 323.34 VP 34.541 GAP -25.31 AZP 91.28 TAL 174.39 TAP 242.18 RCA 61.05 APO 152.37 V2 34.790
 RC 44.335 GL -10.49 GP .11 ZAL 78.78 ZAP 13.61 ETS 181.00 ZAE 168.33 ETE 107.14 ZAC 107.80 ETC 15.55 CLP 13.61

PLANETOCENTRIC CONIC

C3 52.443 VHL 7.242 DLA -8.43 RAL 173.05 RAD 6568.9 VEL 13.183 PTH 2.41 VHP 15.141 DPA 12.16 RAP 160.00 ECC 1.8631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 12 2190.01 -18.96 39.93 48.63 111.43 7 34 42 1590.0 -15.89 32.61
 90.00 16 48 56 5362.62 27.77 244.86 54.90 84.25 18 18 19 4762.6 26.69 236.36
 100.00 8 15 27 1940.77 -20.31 21.03 48.05 112.42 8 47 48 1340.8 -17.09 13.71
 100.00 18 14 22 5087.10 29.21 224.42 54.72 83.37 19 39 9 4487.1 27.99 215.83
 110.00 9 14 23 1756.25 -23.89 5.32 46.35 115.21 9 43 39 1156.2 -20.29 358.03
 110.00 19 31 55 4844.38 33.09 205.36 54.09 80.90 20 52 40 4244.4 31.48 196.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4756 TRA-1.0349 TC3 -.0121 BAU .0532 SGT 909.4 SGR 450.0 SG3 56.7 ST 450.8 SR 398.0 SS 413.6
 RDE -.4979 RRA -.2359 RC3 .0748 FAU .01856 RRT .0148 RRF -.0150 RTF -.7039 CRT -.7478 CRS -.8692 CST .9769
 FDE -.3719 FRA .4786 FC3 -.3064 BSP 2542 SGB 1014.6 R23 -.0012 R13 -.7039 LSA 697.6 MSA 214.0 SSA 15.0
 BDE .6885 BRA 1.0614 BC3 .0758 FSP -128 SG1 909.4 SG2 450.0 THA .56 EL1 562.9 EL2 211.6 ALF 139.74

LAUNCH DATE JUN 7 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 177.992

RL 151.83 LAL -0.00 LOL 255.58 VL 22.861 GAL 3.89 AZL 93.38 HCA 70.95 SMA 108.28 ECC .40690 INC 3.3773 V1 29.345
 RP 108.92 LAP -3.19 LOP 326.50 VP 34.805 GAP -24.01 AZP 91.10 TAL 174.29 TAP 245.24 RCA 64.22 APO 152.34 V2 34.793
 RC 43.707 GL -11.33 GP .11 ZAL 78.81 ZAP 12.01 ETS 181.00 ZAE 168.52 ETE 94.16 ZAC 106.29 ETC 15.33 CLP 12.01

PLANETOCENTRIC CONIC

C3 46.805 VHL 6.841 OLA -9.19 RAL 172.71 RAD 6568.7 VEL 12.968 PTH 2.36 VHP 14.413 DPA 11.59 RAP 161.49 ECC 1.7703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 57 2136.80 -17.61 36.62 46.28 112.54 7 38 34 1536.8 -14.40 29.41
 90.00 16 41 32 5359.09 27.75 244.60 52.77 84.12 18 10 51 4759.1 26.65 236.11
 100.00 8 19 48 1888.89 -18.93 17.80 45.69 113.58 8 51 17 1288.9 -15.58 10.60
 100.00 18 7 22 5082.23 29.18 224.06 52.59 83.19 19 32 4 4482.2 27.93 215.48
 110.00 9 17 48 1707.25 -22.43 2.26 43.94 116.49 9 46 16 1107.2 -18.69 355.13
 110.00 19 25 51 4836.64 33.01 204.77 51.95 80.56 20 46 27 4236.6 31.35 195.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4777 TRA-1.0141 TC3 .0095 BAU .0531 SGT 948.9 SGR 451.3 SG3 62.3 ST 476.1 SR 397.8 SS 438.8
 RDE -.4701 RRA -.2215 RC3 .0844 FAU .01935 RRT .0131 RRF -.0138 RTF -.7222 CRT -.7550 CRS -.8754 CST .9766
 FDE -.3935 FRA .4872 FC3 -.3579 BSP 2699 SGB 1050.8 R23 -.0015 R13 -.7222 LSA 728.9 MSA 214.4 SSA 15.3
 BDE .6703 BRA 1.0380 BC3 .0849 FSP -143 SG1 948.9 SG2 451.2 THA .46 EL1 582.6 EL2 213.1 ALF 141.73

LAUNCH DATE JUN 7 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 184.562

RL 151.83 LAL -0.00 LOL 255.58 VL 23.230 GAL 3.62 AZL 93.38 HCA 74.12 SMA 109.81 ECC .38706 INC 3.3802 V1 29.345
 RP 108.90 LAP -3.25 LOP 329.67 VP 35.052 GAP -22.77 AZP 90.93 TAL 174.24 TAP 248.35 RCA 67.31 APO 152.31 V2 34.797
 RC 43.245 GL -12.20 GP .12 ZAL 78.95 ZAP 10.40 ETS 181.02 ZAE 168.15 ETE 81.00 ZAC 104.79 ETC 15.13 CLP 10.40

PLANETOCENTRIC CONIC

C3 41.851 VHL 6.469 OLA -9.95 RAL 172.26 RAD 6568.6 VEL 12.776 PTH 2.32 VHP 13.714 DPA 11.02 RAP 162.96 ECC 1.6888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 12 2084.00 -16.20 33.38 43.89 113.55 7 41 56 1484.0 -12.88 26.28
 90.00 16 33 39 5355.60 27.73 244.35 50.53 84.00 18 2 55 4755.6 26.60 235.86
 100.00 8 23 38 1837.43 -17.50 14.65 43.28 114.63 8 54 15 1237.4 -14.03 7.57
 100.00 17 59 55 5077.00 29.14 223.71 50.35 83.00 19 24 32 4477.4 27.86 215.14
 110.00 9 20 43 1658.70 -20.93 359.30 41.50 117.66 9 48 21 1058.7 -17.06 352.31
 110.00 19 19 19 4828.90 32.92 204.19 49.70 80.22 20 39 48 4228.9 31.22 195.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4781 TRA -9.9947 TC3 .0339 BAU .0563 SGT 990.5 SGR 451.7 SG3 68.4 ST 501.3 SR 396.7 SS 465.2
 RDE -.4434 RRA -.2075 RC3 .0947 FAU .02020 RRT .0132 RRF -.0128 RTF -.7375 CRT -.7607 CRS -.8814 CST .9758
 FDE -.4164 FRA .4958 FC3 -.4180 BSP 2800 SGB 1088.7 R23 -.0005 R13 -.7375 LSA 760.7 MSA 214.8 SSA 15.6
 BDE .6521 BRA 1.0161 BC3 .1006 FSP -160 SG1 990.6 SG2 451.7 THA .44 EL1 602.3 EL2 214.3 ALF 143.62

LAUNCH DATE JUN 7 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 191.165

RL 151.83 LAL -0.00 LOL 255.58 VL 23.572 GAL 3.34 AZL 93.38 HCA 77.28 SMA 111.28 ECC .36836 INC 3.3830 V1 29.345
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.284 GAP -21.58 AZP 90.75 TAL 174.25 TAP 251.53 RCA 70.29 APO 152.27 V2 34.801
 RC 42.956 GL -13.11 GP .12 ZAL 79.21 ZAP 8.78 ETS 181.09 ZAE 167.25 ETE 68.90 ZAC 103.29 ETC 14.94 CLP 8.78

PLANETOCENTRIC CONIC

C3 37.500 VHL 6.124 OLA -10.69 RAL 171.68 RAD 6568.5 VEL 12.604 PTH 2.29 VHP 13.043 DPA 10.44 RAP 164.41 ECC 1.6171
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 56 2031.86 -14.76 30.23 41.46 114.44 7 44 48 1431.9 -11.33 23.23
 90.00 16 25 19 5352.29 27.70 244.11 48.19 83.88 17 54 32 4752.3 26.57 235.63
 100.00 8 26 57 1786.64 -16.03 11.59 40.84 115.57 8 56 43 1186.6 -12.46 4.62
 100.00 17 52 0 5072.74 29.10 223.37 48.00 82.83 19 16 33 4472.7 27.80 214.80
 110.00 9 23 5 1610.84 -19.39 356.44 39.04 118.72 9 49 56 1010.8 -15.41 349.58
 110.00 19 12 21 4821.32 32.83 203.61 47.34 79.89 20 32 42 4221.3 31.09 194.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4815 TRA -.9717 TC3 .0662 BAU .0625 SGT 1032.2 SGR 451.3 SG3 75.3 ST 529.2 SR 394.8 SS 493.8
 RDE -.4178 RRA -.1939 RC3 .1058 FAU .02118 RRT .0112 RRF -.0111 RTF -.7539 CRT -.7693 CRS -.8880 CST .9758
 FDE -.4420 FRA .5031 FC3 -.4891 BSP 2957 SGB 1126.6 R23 -.0007 R13 -.7539 LSA 796.1 MSA 213.7 SSA 15.9
 BDE .6375 BRA .9908 BC3 .1248 FSP -178 SG1 1032.2 SG2 451.3 THA .35 EL1 624.7 EL2 213.7 ALF 145.56

LAUNCH DATE JUN 7 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 197.796

RL 151.83 LAL -0.00 LOL 255.58 VL 23.888 GAL 3.06 AZL 93.39 HCA 80.44 SMA 112.70 ECC .35076 INC 3.3857 V1 29.345
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.501 GAP -20.45 AZP 90.56 TAL 174.31 TAP 254.76 RCA 73.17 APO 152.23 V2 34.806
 RC 42.841 GL -14.05 GP .13 ZAL 79.58 ZAP 7.14 ETS 181.24 ZAE 165.90 ETE 58.60 ZAC 101.81 ETC 14.76 CLP 7.14

PLANETOCENTRIC CONIC

C3 33.681 VHL 5.804 OLA -11.42 RAL 170.98 RAD 6568.3 VEL 12.452 PTH 2.25 VHP 12.397 DPA 9.87 RAP 165.85 ECC 1.5543
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 8 1980.60 -13.29 27.18 39.00 115.24 7 47 9 1380.6 -9.78 20.26
 90.00 16 16 32 5349.31 27.68 243.90 45.76 83.78 17 45 42 4749.3 26.53 235.42
 100.00 8 29 43 1736.76 -14.54 8.63 38.37 116.41 8 58 40 1136.8 -10.88 1.76
 100.00 17 43 39 5068.38 29.06 223.05 45.57 82.67 19 8 7 4468.4 27.74 214.49
 110.00 9 24 55 1563.88 -17.83 353.69 36.55 119.66 9 50 59 963.9 -13.75 346.96
 110.00 19 4 56 4814.02 32.74 203.06 44.90 79.58 20 25 10 4214.0 30.96 194.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4857 TRA -.9475 TC3 .1052 BAU .0710 SGT 1074.9 SGR 450.0 SG3 82.9 ST 558.4 SR 392.1 SS 524.2
 RDE -.3932 RRA -.1808 RC3 .1176 FAU .02228 RRT .0090 RRF -.0094 RTF -.7694 CRT -.7786 CRS -.8947 CST .9758
 FDE -.4701 FRA .5098 FC3 -.5727 BSP 3123 SGB 1165.3 R23 -.0010 R13 -.7694 LSA 833.8 MSA 211.9 SSA 16.2
 BDE .6249 BRA .9646 BC3 .1578 FSP -200 SG1 1074.9 SG2 450.0 THA .26 EL1 648.6 EL2 211.8 ALF 147.44

LAUNCH DATE JUN 7 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 204.452

RL 151.83 LAL -.00 LOL 255.58 VL 24.181 GAL 2.78 AZL 93.39 HCA 83.61 SMA 114.06 ECC .33426 INC 3.3884 V1 29.345
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.704 GAP -19.36 AZP 90.38 TAL 174.43 TAP 258.04 RCA 75.94 APO 152.19 V2 34.812
 RC 42.900 GL -15.02 GP .14 ZAL 80.07 ZAP 5.49 ETS 181.55 ZAE 164.24 ETE 50.21 ZAC 100.35 ETC 14.59 CLP 5.49

PLANETOCENTRIC CONIC

C3 30.334 VHL 5.508 DLA -12.13 RAL 170.16 RAD 6568.2 VEL 12.317 PTH 2.22 VHP 11.777 DPA 9.29 RAP 167.27 ECC 1.4992
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 16 48 1930.48 -11.82 24.24 36.51 115.92 7 48 58 1330.5 -8.24 17.39
 90.00 16 7 20 5346.75 27.66 243.71 43.26 83.69 17 36 27 4746.7 26.50 235.24
 100.00 8 31 57 1688.02 -13.05 5.78 35.88 117.14 9 0 5 1088.0 -9.31 358.99
 100.00 17 34 52 5064.44 29.03 222.76 43.07 82.52 18 59 17 4464.4 27.69 214.21
 110.00 9 26 12 1518.09 -16.27 351.06 34.05 120.49 9 51 30 918.1 -12.10 344.43
 110.00 18 57 6 4807.14 32.66 202.54 42.39 79.28 20 17 13 4207.1 30.83 193.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4908 TRA -.9217 TC3 .1516 BAU .0810 SGT 1118.2 SGR 447.9 SG3 91.4 ST 589.3 SR 388.5 SS 556.9
 RDE -.3698 RRA -.1683 RC3 .1299 FAU .02351 RRT .0062 RRF -.0072 RTF -.7842 CRT -.7889 CRS -.9016 CST .9760
 FDE -.5013 FRA .5155 FC3 -.6710 BSP 3293 SGB 1204.6 R23 -.0014 R13 -.7842 LSA 874.2 MSA 209.1 SSA 16.5
 BDE .6145 BRA .9370 BC3 .1997 FSP -224 SG1 1118.2 SG2 447.9 THA .17 EL1 674.3 EL2 208.7 ALF 149.26

LAUNCH DATE JUN 7 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 211.127

RL 151.83 LAL -.00 LOL 255.58 VL 24.451 GAL 2.51 AZL 93.39 HCA 86.78 SMA 115.36 ECC .31880 INC 3.3911 V1 29.345
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.894 GAP -18.32 AZP 90.19 TAL 174.61 TAP 261.38 RCA 78.58 APO 152.14 V2 34.819
 RC 43.133 GL -16.02 GP .15 ZAL 80.68 ZAP 3.81 ETS 182.23 ZAE 162.39 ETE 43.51 ZAC 98.91 ETC 14.44 CLP 3.81

PLANETOCENTRIC CONIC

C3 27.403 VHL 5.235 DLA -12.81 RAL 169.22 RAD 6568.1 VEL 12.197 PTH 2.19 VHP 11.181 DPA 8.72 RAP 168.66 ECC 1.4510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 18 54 1881.75 -10.35 21.41 34.01 116.50 7 50 15 1281.8 -6.71 14.62
 90.00 15 57 44 5344.69 27.65 243.56 40.69 83.61 17 26 49 4744.7 26.47 235.09
 100.00 8 33 37 1640.69 -11.56 3.06 33.37 117.76 9 0 57 1040.7 -7.76 356.33
 100.00 17 25 42 5060.99 28.99 222.51 40.50 82.39 18 50 3 4461.0 27.64 213.97
 110.00 9 26 56 1473.69 -14.72 348.55 31.54 121.21 9 51 30 873.7 -10.48 342.02
 110.00 18 48 52 4800.74 32.57 202.06 39.82 79.01 20 8 53 4200.7 30.72 193.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4964 TRA -.8947 TC3 .2058 BAU .0918 SGT 1162.0 SGR 444.8 SG3 100.8 ST 621.3 SR 384.1 SS 591.7
 RDE -.3476 RRA -.1563 RC3 .1428 FAU .02488 RRT .0034 RRF -.0048 RTF -.7981 CRT -.7996 CRS -.9086 CST .9763
 FDE -.5358 FRA .5202 FC3 -.7861 BSP 3458 SGB 1244.2 R23 -.0016 R13 -.7981 LSA 917.1 MSA 205.8 SSA 16.7
 BDE .6060 BRA .9083 BC3 .2505 FSP -251 SG1 1162.0 SG2 444.8 THA .09 EL1 701.3 EL2 204.3 ALF 151.00

LAUNCH DATE JUN 7 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 217.819

RL 151.83 LAL -.00 LOL 255.58 VL 24.700 GAL 2.25 AZL 93.39 HCA 89.94 SMA 116.60 ECC .30438 INC 3.3937 V1 29.345
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.071 GAP -17.31 AZP 90.00 TAL 174.84 TAP 264.78 RCA 81.11 APO 152.10 V2 34.826
 RC 43.534 GL -17.05 GP .16 ZAL 81.40 ZAP 2.11 ETS 184.20 ZAE 160.46 ETE 38.17 ZAC 97.49 ETC 14.30 CLP 2.10

PLANETOCENTRIC CONIC

C3 24.841 VHL 4.984 DLA -13.48 RAL 168.17 RAD 6568.0 VEL 12.092 PTH 2.16 VHP 10.608 DPA 8.16 RAP 170.02 ECC 1.4088
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 26 1834.67 -8.91 18.70 31.49 116.99 7 51 1 1234.7 -5.22 11.97
 90.00 15 47 47 5343.17 27.63 243.45 38.08 83.56 17 16 50 4743.2 26.45 234.99
 100.00 8 34 43 1594.99 -10.10 .45 30.85 118.28 9 1 18 995.0 -6.24 353.79
 100.00 17 16 11 5058.07 28.97 222.30 37.89 82.28 18 40 29 4458.1 27.60 213.76
 110.00 9 27 6 1430.93 -13.20 346.18 29.03 121.82 9 50 57 830.9 -8.89 339.72
 110.00 18 40 17 4794.90 32.50 201.63 37.21 78.76 20 0 12 4194.9 30.61 192.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5025 TRA -.8670 TC3 .2672 BAU .1028 SGT 1206.2 SGR 440.9 SG3 111.4 ST 654.4 SR 378.8 SS 628.8
 RDE -.3265 RRA -.1449 RC3 .1560 FAU .02641 RRT .0004 RRF -.0022 RTF -.8110 CRT -.8105 CRS -.9155 CST .9767
 FDE -.5740 FRA .5244 FC3 -.9204 BSP 3617 SGB 1284.3 R23 -.0018 R13 -.8110 LSA 962.4 MSA 202.0 SSA 17.0
 BDE .5992 BRA .8790 BC3 .3095 FSP -281 SG1 1206.2 SG2 440.9 THA .01 EL1 729.5 EL2 199.0 ALF 152.66

LAUNCH DATE JUN 7 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP *7 1967

HELIOCENTRIC CONIC

DISTANCE 224.523

RL 151.83 LAL -.00 LOL 255.58 VL 24.930 GAL 2.00 AZL 93.40 HCA 93.11 SMA 117.78 ECC .29094 INC 3.3964 V1 29.345
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.236 GAP -16.35 AZP 89.82 TAL 175.12 TAP 268.23 RCA 83.52 APO 152.05 V2 34.834
 RC 44.099 GL -18.09 GP .17 ZAL 82.22 ZAP .40 ETS 204.87 ZAE 158.51 ETE 33.86 ZAC 96.10 ETC 14.17 CLP .36

PLANETOCENTRIC CONIC

C3 22.603 VHL 4.754 DLA -14.11 RAL 167.00 RAD 6567.9 VEL 11.999 PTH 2.14 VHP 10.058 DPA 7.60 RAP 171.35 ECC 1.3720
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 24 1789.47 -7.50 16.13 28.96 117.38 7 51 13 1189.5 -3.77 9.43
 90.00 15 37 32 5342.19 27.63 243.38 35.44 83.52 17 6 34 4742.2 26.44 234.92
 100.00 8 35 15 1551.19 -8.68 357.98 28.33 118.72 9 1 6 951.2 -4.78 351.36
 100.00 17 6 22 5055.70 28.95 222.12 35.25 82.19 18 30 38 4455.7 27.56 213.59
 110.00 9 26 42 1390.02 -11.72 343.93 26.51 122.34 9 49 52 790.0 -7.36 337.54
 110.00 18 31 24 4789.64 32.43 201.23 34.56 78.54 19 51 14 4189.6 30.51 192.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5088 TRA -.8378 TC3 .3378 BAU .1142 SGT 1250.2 SGR 436.1 SG3 123.2 ST 688.2 SR 372.8 SS 668.3
 RDE -.3065 RRA -.1341 RC3 .1693 FAU .02815 RRT -.0023 RRF .0005 RTF -.8230 CRT -.8218 CRS -.9224 CST .9772
 FDE -.6166 FRA .5271 FC3 -1.0781 BSP 3786 SGB 1324.0 R23 .0017 R13 .8230 LSA 1010.0 MSA 197.7 SSA 17.3
 BDE .5940 BRA .8484 BC3 .3779 FSP -316 SG1 1250.2 SG2 436.1 THA 179.95 EL1 758.6 EL2 192.7 ALF 154.21

LAUNCH DATE JUN 7 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 231.235

RL 151.83 LAL -.00 LOL 255.58 VL 25.141 GAL 1.75 AZL 93.40 HCA 96.28 SMA 118.90 ECC .27846 INC 3.3990 V1 29.345
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.390 GAP -15.43 AZP 89.63 TAL 175.45 TAP 271.74 RCA 85.79 APO 152.01 V2 34.842
 RC 44.820 GL -19.14 GP .18 ZAL 83.13 ZAP 1.44 ETS 352.60 ZAE 156.63 ETE 30.35 ZAC 94.76 ETC 14.05 CLP -1.42

PLANETOCENTRIC CONIC

C3 20.652 VHL 4.544 DLA -14.72 RAL 165.74 RAD 6567.8 VEL 11.918 PTH 2.12 VHP 9.530 DPA 7.06 RAP 172.64 ECC 1.3399
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 47 1746.39 -6.15 13.69 26.44 117.70 7 50 54 1146.4 -2.39 7.02
 90.00 15 27 4 5341.73 27.62 243.35 32.78 83.51 16 56 6 4741.7 26.44 234.88
 100.00 8 35 12 1509.50 -7.30 355.64 25.81 119.07 9 0 22 909.5 -3.37 349.06
 100.00 16 56 20 5053.86 28.93 221.99 32.59 82.12 18 20 34 4453.9 27.54 213.46
 110.00 9 25 45 1351.17 -10.29 341.82 24.00 122.78 9 48 16 751.2 -5.90 335.48
 110.00 18 22 16 4784.95 32.36 200.88 31.90 78.34 19 42 1 4184.9 30.42 192.20

DIFFERENTIAL CORRECTIONS

TDE .5169 TRA -.8073 TC3 .4161 BAU .1255
 RDE -.2878 RRA -.1239 RC3 .1825 FAU .03008
 FDE -.6642 FRA .5290 FC3-1.2610 BSP 3962
 BDE .5916 BRA .8168 BC3 .4544 FSP -354

MID-COURSE EXECUTION ACCURACY

SGT 1294.4 SGR 430.4 SG3 136.4
 RRT -.0067 RRF .0034 RTF -.8347
 SGB 1364.0 R23 .0029 R13 .8347
 SG1 1294.4 SG2 430.4 THA 179.86

ORBIT DETERMINATION ACCURACY

ST 724.3 SR 366.1 SS 710.8
 CRT -.8339 CRS -.9292 CST .9780
 LSA 1061.3 MSA 192.7 SSA 17.5
 EL1 790.1 EL2 185.2 ALF 155.73

LAUNCH DATE JUN 7 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 237.951

RL 151.83 LAL -.00 LOL 255.58 VL 25.336 GAL 1.51 AZL 93.40 HCA 99.46 SMA 119.96 ECC .26690 INC 3.4017 V1 29.345
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.533 GAP -14.54 AZP 89.44 TAL 175.83 TAP 275.29 RCA 87.94 APO 151.97 V2 34.851
 RC 45.690 GL -20.19 GP .19 ZAL 84.13 ZAP 3.26 ETS 356.31 ZAE 154.84 ETE 27.46 ZAC 93.45 ETC 13.94 CLP -3.26

PLANETOCENTRIC CONIC

C3 18.955 VHL 4.354 DLA -15.29 RAL 164.39 RAD 6567.8 VEL 11.846 PTH 2.10 VHP 9.022 DPA 6.54 RAP 173.88 ECC 1.3120
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 21 37 1705.66 -4.85 11.39 23.93 117.93 7 50 2 1105.7 -1.08 4.75
 90.00 15 16 27 5341.72 27.62 243.35 30.12 83.51 16 45 29 4741.7 26.44 234.88
 100.00 8 34 36 1470.12 -6.00 353.45 23.31 119.34 8 59 7 870.1 -2.04 346.90
 100.00 16 46 8 5052.50 28.92 221.89 29.93 82.07 18 10 21 4452.5 27.52 213.37
 110.00 9 24 16 1314.57 -8.94 339.85 21.51 123.13 9 46 11 714.6 -4.51 333.56
 110.00 18 12 58 4780.81 32.30 200.57 29.24 78.16 19 32 39 4180.8 30.34 191.91

DIFFERENTIAL CORRECTIONS

TDE .5240 TRA -.7764 TC3 .5032 BAU .1368
 RDE -.2701 RRA -.1143 RC3 .1953 FAU .03229
 FDE -.7176 FRA .5293 FC3-1.4747 BSP 4113
 BDE .5895 BRA .7848 BC3 .5398 FSP -397

MID-COURSE EXECUTION ACCURACY

SGT 1337.7 SGR 423.8 SG3 151.2
 RRT -.0096 RRF .0064 RTF -.8453
 SGB 1403.2 R23 .0026 R13 .8453
 SG1 1337.7 SG2 423.7 THA 179.81

ORBIT DETERMINATION ACCURACY

ST 759.4 SR 358.5 SS 755.9
 CRT -.8454 CRS -.9358 CST .9786
 LSA 1114.0 MSA 188.0 SSA 17.8
 EL1 820.9 EL2 177.2 ALF 157.11

LAUNCH DATE JUN 7 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 244.670

RL 151.83 LAL -.00 LOL 255.58 VL 25.514 GAL 1.29 AZL 93.40 HCA 102.63 SMA 120.95 ECC .25622 INC 3.4045 V1 29.345
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.666 GAP -13.69 AZP 89.25 TAL 176.25 TAP 278.88 RCA 89.96 APO 151.94 V2 34.860
 RC 46.700 GL -21.24 GP .21 ZAL 85.21 ZAP 5.15 ETS 357.31 ZAE 153.19 ETE 25.05 ZAC 92.20 ETC 13.85 CLP -5.14

PLANETOCENTRIC CONIC

C3 17.481 VHL 4.181 DLA -15.82 RAL 162.96 RAD 6567.7 VEL 11.784 PTH 2.08 VHP 8.535 DPA 6.03 RAP 175.07 ECC 1.2877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 20 53 1667.46 -3.63 9.25 21.45 118.10 7 48 40 1067.5 .16 2.62
 90.00 15 5 47 5342.09 27.63 243.38 27.47 83.52 16 34 49 4742.1 26.44 234.91
 100.00 8 33 28 1433.24 -4.76 351.41 20.82 119.55 8 57 21 833.2 -1.79 344.87
 100.00 16 35 53 5051.53 28.91 221.82 27.29 82.04 18 0 4 4451.5 27.50 213.30
 110.00 9 22 16 1280.37 -7.66 338.03 19.04 123.42 9 43 36 680.4 -3.21 331.77
 110.00 18 3 34 4777.17 32.25 200.30 26.60 78.01 19 23 11 4177.2 30.27 191.65

DIFFERENTIAL CORRECTIONS

TDE .5314 TRA -.7447 TC3 .5951 BAU .1473
 RDE -.2535 RRA -.1053 RC3 .2075 FAU .03475
 FDE -.7777 FRA .5282 FC3-1.7208 BSP 4263
 BDE .5888 BRA .7521 BC3 .6303 FSP -447

MID-COURSE EXECUTION ACCURACY

SGT 1379.5 SGR 416.2 SG3 167.8
 RRT -.0133 RRF .0097 RTF -.8548
 SGB 1441.0 R23 .0029 R13 .8548
 SG1 1379.6 SG2 416.2 THA 179.75

ORBIT DETERMINATION ACCURACY

ST 794.9 SR 350.3 SS 804.0
 CRT -.8568 CRS -.9422 CST .9792
 LSA 1169.2 MSA 183.2 SSA 17.9
 EL1 852.2 EL2 168.5 ALF 158.43

LAUNCH DATE JUN 7 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 251.388

RL 151.83 LAL -.00 LOL 255.58 VL 25.678 GAL 1.07 AZL 93.41 HCA 105.81 SMA 121.88 ECC .24638 INC 3.4073 V1 29.345
 RP 108.68 LAP -3.28 LOP 36.790 GAP -12.86 AZP 89.07 TAL 176.71 TAP 282.52 RCA 91.85 APO 151.91 V2 34.870
 RC 47.841 GL -22.28 GP .22 ZAL 86.34 ZAP 7.10 ETS 357.74 ZAE 151.72 ETE 23.03 ZAC 91.01 ETC 13.76 CLP -7.10

PLANETOCENTRIC CONIC

C3 16.204 VHL 4.025 DLA -16.31 RAL 161.47 RAD 6567.6 VEL 11.730 PTH 2.07 VHP 8.069 DPA 5.55 RAP 176.20 ECC 1.2667
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 19 36 1631.96 -2.49 7.27 19.00 118.22 7 46 48 1032.0 1.30 .64
 90.00 14 55 10 5342.71 27.63 243.42 24.85 83.54 16 24 12 4742.7 26.45 234.95
 100.00 8 31 48 1399.01 -3.61 349.52 18.38 119.69 8 55 7 799.0 .37 342.99
 100.00 16 25 39 5050.88 28.90 221.77 24.67 82.01 17 49 50 4450.9 27.49 213.25
 110.00 9 19 47 1248.70 -6.47 336.35 16.61 123.64 9 40 36 648.7 -2.00 330.11
 110.00 17 54 10 4773.96 32.21 200.06 23.99 77.88 19 13 44 4174.0 30.20 191.42

DIFFERENTIAL CORRECTIONS

TDE .5416 TRA -.7098 TC3 .6996 BAU .1588
 RDE -.2380 RRA -.0968 RC3 .2186 FAU .03761
 FDE -.8469 FRA .5242 FC3-2.0095 BSP 4469
 BDE .5916 BRA .7163 BC3 .7329 FSP -505

MID-COURSE EXECUTION ACCURACY

SGT 1421.1 SGR 407.8 SG3 186.8
 RRT -.0187 RRF .0136 RTF -.8653
 SGB 1478.5 R23 .0041 R13 .8653
 SG1 1421.1 SG2 407.8 THA 179.66

ORBIT DETERMINATION ACCURACY

ST 833.2 SR 341.5 SS 856.0
 CRT -.8696 CRS -.9485 CST .9804
 LSA 1230.0 MSA 177.5 SSA 18.1
 EL1 886.4 EL2 158.5 ALF 159.71

LAUNCH DATE JUN 7 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 258.102

RL 151.83 LAL -1.00 LOL 255.58 VL 25.827 GAL .87 AZL 93.41 HCA 108.98 SMA 122.75 ECC .23735 INC 3.4102 V1 29.345
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.904 GAP -12.07 AZP 88.89 TAL 177.20 TAP 286.19 RCA 93.61 APO 151.88 V2 34.881
 RC 49.103 GL -23.29 GP .24 ZAL 87.53 ZAP 9.13 ETS 357.96 ZAE 150.44 ETE 21.31 ZAC 89.89 ETC 13.69 CLP -9.12

PLANETOCENTRIC CONIC

C3 15.099 VHL 3.886 CLA -16.76 RAL 159.93 RAD 6567.6 VEL 11.683 PTH 2.05 VHP 7.621 DPA 5.10 RAP 177.27 ECC 1.2485
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 51 1599.25 -1.44 5.44 16.59 118.28 7 44 30 999.2 2.36 358.81
 90.00 14 44 41 5343.50 27.64 243.48 22.29 83.57 16 13 45 4743.5 26.46 235.01
 100.00 8 29 40 1367.52 -2.55 347.79 15.98 119.79 8 52 27 767.5 1.44 341.27
 100.00 16 15 33 5050.46 28.90 221.74 22.11 82.00 17 39 44 4450.5 27.49 213.22
 110.00 9 16 52 1219.62 -5.37 334.82 14.22 123.81 9 37 12 619.6 -.89 328.59
 110.00 17 44 50 4771.12 32.17 199.85 21.43 77.76 19 4 21 4171.1 30.15 191.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .5479 TRA -.6773 TC3 .8018 BAU .1683 SGT 1459.0 SGR 398.5 SG3 208.0 ST 866.5 SR 332.0 SS 910.4
 RDE -.2234 RRA -.0890 RC3 .2286 FAU .04079 RRT -.0215 RRF .0161 RTF -.8733 CRT -.8799 CRS -.9541 CST .9810
 FDE -.9226 FRA .5204 FC3-2.3385 BSP 4592 SGB 1512.5 R23 .0042 R13 .8732 LSA 1288.2 MSA 173.1 SSA 18.1
 BDE .5917 BRA .6831 BC3 .8338 FSP -568 SG1 1459.0 SG2 398.4 THA 179.64 EL1 915.9 EL2 149.2 ALF 160.84

LAUNCH DATE JUN 7 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 264.810

RL 151.83 LAL -1.00 LOL 255.58 VL 25.964 GAL .68 AZL 93.41 HCA 112.16 SMA 123.56 ECC .22909 INC 3.4132 V1 29.345
 RP 108.61 LAP -3.16 LOP 7.78 VP 37.010 GAP -11.30 AZP 88.71 TAL 177.71 TAP 289.88 RCA 95.25 APO 151.86 V2 34.891
 RC 50.476 GL -24.27 GP .26 ZAL 88.74 ZAP 11.24 ETS 358.08 ZAE 149.37 ETE 19.85 ZAC 88.85 ETC 13.63 CLP -11.23

PLANETOCENTRIC CONIC

C3 14.146 VHL 3.761 CLA -17.17 RAL 158.38 RAD 6567.6 VEL 11.642 PTH 2.04 VHP 7.193 DPA 4.68 RAP 178.26 ECC 1.2328
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 38 1569.41 -.47 3.78 14.25 118.31 7 41 48 969.4 3.32 357.14
 90.00 14 34 27 5344.36 27.64 243.54 19.79 83.60 16 3 32 4744.4 26.47 235.07
 100.00 8 27 6 1338.82 -1.57 346.21 13.64 119.85 8 49 25 738.8 2.41 339.69
 100.00 16 5 41 5050.18 28.89 221.72 19.61 81.99 17 29 51 4450.2 27.48 213.20
 110.00 9 13 35 1193.17 -4.37 333.43 11.90 123.94 9 33 29 593.2 .12 327.21
 110.00 17 35 41 4768.59 32.13 199.66 18.94 77.65 18 55 9 4168.6 30.10 191.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .5521 TRA -.6456 TC3 .8975 BAU .1756 SGT 1490.9 SGR 388.3 SG3 231.5 ST 896.2 SR 321.8 SS 966.5
 RDE -.2097 RRA -.0817 RC3 .2371 FAU .04426 RRT -.0244 RRF .0189 RTF -.8790 CRT -.8892 CRS -.9593 CST .9814
 FDE -1.0071 FRA .5150 FC3-2.7085 BSP 4669 SGB 1540.7 R23 .0042 R13 .8790 LSA 1346.0 MSA 169.8 SSA 18.1
 BDE .5906 BRA .6508 BC3 .9283 FSP -638 SG1 1491.0 SG2 388.2 THA 179.61 EL1 941.9 EL2 140.1 ALF 161.88

LAUNCH DATE JUN 7 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 271.509

RL 151.83 LAL -1.00 LOL 255.58 VL 26.088 GAL .50 AZL 93.42 HCA 115.35 SMA 124.31 ECC .22156 INC 3.4164 V1 29.345
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.108 GAP -10.56 AZP 88.54 TAL 178.25 TAP 293.59 RCA 96.76 APO 151.85 V2 34.903
 RC 51.950 GL -25.21 GP .29 ZAL 89.96 ZAP 13.45 ETS 358.15 ZAE 148.52 ETE 18.62 ZAC 87.90 ETC 13.57 CLP -13.44

PLANETOCENTRIC CONIC

C3 13.326 VHL 3.651 CLA -17.54 RAL 156.81 RAD 6567.5 VEL 11.607 PTH 2.03 VHP 6.784 DPA 4.31 RAP 179.16 ECC 1.2193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 13 2 1542.45 .40 2.27 11.98 118.31 7 38 45 942.4 4.18 355.63
 90.00 14 24 34 5345.19 27.65 243.60 17.37 83.63 15 53 39 4745.2 26.48 235.13
 100.00 8 24 10 1312.92 -.70 344.79 11.37 119.89 8 46 3 712.9 3.29 338.27
 100.00 15 56 7 5049.95 28.89 221.70 17.19 81.98 17 20 17 4450.0 27.48 213.19
 110.00 9 10 0 1169.35 -3.46 332.18 9.65 124.03 9 29 29 569.3 1.03 325.97
 110.00 17 26 47 4766.29 32.10 199.49 16.52 77.56 18 46 13 4166.3 30.05 190.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .5589 TRA -.6111 TC3 1.0066 BAU .1845 SGT 1523.7 SGR 377.2 SG3 259.0 ST 927.9 SR 311.1 SS 1028.4
 RDE -.1968 RRA -.0749 RC3 .2440 FAU .04844 RRT -.0277 RRF .0210 RTF -.8866 CRT -.8994 CRS -.9642 CST .9822
 FDE -1.1056 FRA .5065 FC3-3.1468 BSP 4825 SGB 1569.7 R23 .0052 R13 .8866 LSA 1409.8 MSA 165.6 SSA 18.0
 BDE .5925 BRA .6157 BC3 1.0357 FSP -724 SG1 1523.7 SG2 377.1 THA 179.58 EL1 970.0 EL2 130.1 ALF 162.91

LAUNCH DATE JUN 7 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 278.198

RL 151.83 LAL -1.00 LOL 255.58 VL 26.201 GAL .33 AZL 93.42 HCA 118.53 SMA 125.00 ECC .21471 INC 3.4197 V1 29.345
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.198 GAP -9.85 AZP 88.37 TAL 178.79 TAP 297.32 RCA 98.16 APO 151.84 V2 34.914
 RC 53.515 GL -26.10 GP .31 ZAL 91.18 ZAP 15.76 ETS 358.18 ZAE 147.92 ETE 17.57 ZAC 87.06 ETC 13.52 CLP -15.76

PLANETOCENTRIC CONIC

C3 12.622 VHL 3.553 CLA -17.86 RAL 155.26 RAD 6567.5 VEL 11.576 PTH 2.02 VHP 6.393 DPA 3.98 RAP 179.96 ECC 1.2077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 8 1518.30 1.18 .93 9.80 118.29 7 35 26 918.3 4.95 354.28
 90.00 14 15 5 5345.96 27.66 243.65 15.06 83.66 15 44 11 4746.0 26.49 235.18
 100.00 8 20 57 1289.74 .09 343.52 9.20 119.89 8 42 27 689.7 4.07 336.99
 100.00 15 46 57 5049.75 28.89 221.69 14.88 81.97 17 11 6 4449.7 27.48 213.17
 110.00 9 6 11 1148.06 -2.65 331.07 7.49 124.09 9 25 19 548.1 1.84 324.86
 110.00 17 18 13 4764.20 32.07 199.33 14.21 77.47 18 37 37 4164.2 30.01 190.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .5596 TRA -.5799 TC3 1.0929 BAU .1892 SGT 1543.6 SGR 365.3 SG3 288.8 ST 949.6 SR 299.6 SS 1090.3
 RDE -.1845 RRA -.0687 RC3 .2494 FAU .05287 RRT -.0294 RRF .0225 RTF -.8902 CRT -.9071 CRS -.9685 CST .9824
 FDE -1.2129 FRA .4972 FC3-3.6260 BSP 4857 SGB 1586.3 R23 .0053 R13 .8902 LSA 1467.4 MSA 163.6 SSA 17.8
 BDE .5892 BRA .5839 BC3 1.1210 FSP -811 SG1 1543.7 SG2 365.1 THA 179.58 EL1 988.4 EL2 121.2 ALF 163.78

LAUNCH DATE JUN 7 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 284.875

RL 151.83 LAL -.00 LOL 255.58 VL 26.304 GAL .18 AZL 93.42 HCA 121.72 SMA 125.63 ECC .20851 INC 3.4233 V1 29.345
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.282 GAP -9.16 AZP 88.20 TAL 179.33 TAP 301.05 RCA 99.44 APO 151.83 V2 34.926
 RC 55.163 GL -26.94 GP .34 ZAL 92.38 ZAP 18.20 ETS 358.20 ZAE 147.57 ETE 16.69 ZAC 86.33 ETC 13.48 CLP -18.20

PLANETOCENTRIC CONIC

C3 12.019 VHL 3.467 DLA -18.15 RAL 153.74 RAD 6567.5 VEL 11.550 PTH 2.02 VHP 6.021 DPA 3.70 RAP 180.65 ECC 1.1978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 59 1496.86 1.87 359.73 7.73 118.26 7 31 56 896.9 5.63 353.07
 90.00 14 6 6 5346.61 27.66 243.70 12.85 83.68 15 35 13 4746.6 26.50 235.23
 100.00 8 17 32 1269.19 .79 342.39 7.13 119.88 8 38 41 669.2 4.76 335.86
 100.00 15 38 14 5049.52 28.89 221.67 12.68 81.96 17 2 23 4449.5 27.47 213.15
 110.00 9 2 13 1129.19 -1.93 330.08 5.43 124.14 9 21 2 529.2 2.56 323.88
 110.00 17 10 2 4762.28 32.04 199.19 12.01 77.39 18 29 24 4162.3 29.97 190.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5597 TRA -.5467 TC3 1.1885 BAU .1953 SGT 1561.7 SGR 352.5 SG3 323.2 ST 968.4 SR 287.5 SS 1154.6
 RDE -.1728 RRA -.0629 RC3 .2528 FAU .05812 RRT -.0284 RRF .0211 RTF -.8958 CRT -.9148 CRS -.9723 CST .9829
 FDE-1.3332 FRA .4858 FC3-4.1866 BSP 4937 SGB 1601.0 R23 .0057 R13 .8958 LSA 1525.5 MSA 160.9 SSA 17.4
 BDE .5858 BRA .5503 BC3 1.2151 FSP -916 SG1 1561.7 SG2 352.3 THA 179.61 EL1 1003.9 EL2 112.0 ALF 164.61

LAUNCH DATE JUN 7 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 291.538

RL 151.83 LAL -.00 LOL 255.58 VL 26.396 GAL .03 AZL 93.43 HCA 124.90 SMA 126.21 ECC .20292 INC 3.4271 V1 29.345
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.358 GAP -8.50 AZP 88.04 TAL 179.87 TAP 304.77 RCA 100.60 APO 151.83 V2 34.938
 RC 56.885 GL -27.72 GP .38 ZAL 93.53 ZAP 20.79 ETS 358.21 ZAE 147.48 ETE 15.98 ZAC 85.73 ETC 13.45 CLP -20.78

PLANETOCENTRIC CONIC

C3 11.504 VHL 3.392 DLA -18.40 RAL 152.27 RAD 6567.4 VEL 11.528 PTH 2.01 VHP 5.667 DPA 3.49 RAP 181.22 ECC 1.1893
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 3 43 1477.91 2.48 358.67 5.78 118.22 7 28 21 877.9 6.23 352.00
 90.00 13 57 39 5347.22 27.66 243.75 10.78 83.70 15 26 46 4747.2 26.50 235.27
 100.00 8 14 2 1251.03 1.40 341.40 5.18 119.86 8 34 53 651.0 5.37 334.85
 100.00 15 30 2 5049.34 28.89 221.66 10.61 81.95 16 54 11 4449.3 27.47 213.14
 110.00 8 58 13 1112.56 -1.29 329.21 3.49 124.16 9 16 46 512.6 3.20 323.01
 110.00 17 2 19 4760.58 32.01 199.07 9.94 77.32 18 21 40 4160.6 29.94 190.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5318 TRA -.5260 TC3 1.1948 BAU .1879 SGT 1530.0 SGR 338.6 SG3 354.3 ST 941.6 SR 274.1 SS 1193.1
 RDE -.1612 RRA -.0575 RC3 .2554 FAU .06256 RRT -.0162 RRF .0124 RTF -.8889 CRT -.9140 CRS -.9743 CST .9808
 FDE-1.4332 FRA .4879 FC3-4.7079 BSP 4832 SGB 1567.0 R23 .0028 R13 .8889 LSA 1535.5 MSA 164.3 SSA 17.0
 BDE .5557 BRA .5292 BC3 1.2218 FSP -1021 SG1 1530.0 SG2 338.6 THA 179.78 EL1 974.8 EL2 107.4 ALF 164.91

LAUNCH DATE JUN 7 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 298.187

RL 151.83 LAL -.00 LOL 255.58 VL 26.479 GAL -.10 AZL 93.43 HCA 128.09 SMA 126.74 ECC .19790 INC 3.4312 V1 29.345
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.429 GAP -7.85 AZP 87.88 TAL 180.39 TAP 308.49 RCA 101.66 APO 151.83 V2 34.951
 RC 58.673 GL -28.45 GP .42 ZAL 94.64 ZAP 23.53 ETS 358.22 ZAE 147.68 ETE 15.42 ZAC 85.29 ETC 13.43 CLP -23.53

PLANETOCENTRIC CONIC

C3 11.066 VHL 3.327 DLA -18.61 RAL 150.86 RAD 6567.4 VEL 11.509 PTH 2.00 VHP 5.330 DPA 3.34 RAP 181.65 ECC 1.1821
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 23 1461.34 3.01 357.75 3.94 118.17 7 24 44 861.3 6.76 351.07
 90.00 13 49 47 5347.71 27.67 243.78 8.85 83.72 15 18 54 4747.7 26.51 235.31
 100.00 8 10 28 1235.16 1.94 340.53 3.35 119.84 8 31 3 635.2 5.90 333.97
 100.00 15 22 22 5049.12 28.88 221.64 8.67 81.95 16 46 31 4449.1 27.47 213.13
 110.00 8 54 14 1098.03 -.74 328.45 1.67 124.18 9 12 32 498.0 3.75 322.25
 110.00 16 55 6 4759.02 31.99 198.95 8.01 77.25 18 14 25 4159.0 29.90 190.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5643 TRA -.4765 TC3 1.3478 BAU .2029 SGT 1580.7 SGR 324.6 SG3 409.2 ST 1006.4 SR 261.2 SS 1313.9
 RDE -.1507 RRA -.0528 RC3 .2550 FAU .07116 RRT -.0331 RRF .0209 RTF -.9050 CRT -.9307 CRS -.9794 CST .9843
 FDE-1.6493 FRA .4398 FC3-5.5674 BSP 5128 SGB 1613.7 R23 .0104 R13 .9049 LSA 1668.2 MSA 156.0 SSA 16.5
 BDE .5841 BRA .4794 BC3 1.3717 FSP -1198 SG1 1580.8 SG2 324.4 THA 179.59 EL1 1035.6 EL2 92.8 ALF 166.31

LAUNCH DATE JUN 7 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 304.819

RL 151.83 LAL -.00 LOL 255.58 VL 26.553 GAL -.21 AZL 93.44 HCA 131.29 SMA 127.22 ECC .19342 INC 3.4357 V1 29.345
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.493 GAP -7.23 AZP 87.73 TAL 180.89 TAP 312.18 RCA 102.62 APO 151.83 V2 34.964
 RC 60.521 GL -29.12 GP .47 ZAL 95.68 ZAP 26.45 ETS 358.22 ZAE 148.16 ETE 15.02 ZAC 85.01 ETC 13.41 CLP -26.44

PLANETOCENTRIC CONIC

C3 10.694 VHL 3.270 DLA -18.80 RAL 149.54 RAD 6567.4 VEL 11.493 PTH 2.00 VHP 5.013 DPA 3.27 RAP 181.92 ECC 1.1760
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 7 1446.78 3.48 356.93 2.25 118.12 7 21 14 846.8 7.21 350.24
 90.00 13 42 29 5348.28 27.67 243.82 7.06 83.74 15 11 38 4748.3 26.52 235.35
 100.00 8 7 1 1221.23 2.41 339.76 1.66 119.80 8 27 22 621.2 6.36 333.20
 100.00 15 15 17 5049.06 28.88 221.64 6.89 81.94 16 39 26 4449.1 27.47 213.12
 110.00 8 50 24 1085.30 -.25 327.79 360.00 124.18 9 8 29 485.3 4.24 321.58
 110.00 16 48 23 4757.75 31.97 198.86 6.23 77.20 18 7 41 4157.8 29.88 190.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5579 TRA -.4461 TC3 1.4073 BAU .2045 SGT 1576.2 SGR 309.4 SG3 461.0 ST 1008.8 SR 246.7 SS 1396.4
 RDE -.1399 RRA -.0483 RC3 .2542 FAU .07911 RRT -.0262 RRF .0136 RTF -.9077 CRT -.9358 CRS -.9820 CST .9844
 FDE-1.8340 FRA .4165 FC3-6.4043 BSP 5140 SGB 1606.3 R23 .0111 R13 .9076 LSA 1733.2 MSA 155.3 SSA 15.8
 BDE .5752 BRA .4487 BC3 1.4301 FSP -1363 SG1 1576.2 SG2 309.3 THA 179.69 EL1 1035.0 EL2 84.8 ALF 167.02

LAUNCH DATE JUN 7 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 311.434

RL 151.83 LAL -.00 LOL 255.58 VL 26.620 GAL -.32 AZL 93.44 HCA 134.48 SMA 127.65 ECC .18944 INC 3.4406 V1 29.345
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.552 GAP -6.63 AZP 87.59 TAL 181.36 TAP 315.85 RCA 103.47 APO 151.84 V2 34.977
 RC 62.420 GL -29.73 GP .53 ZAL 96.64 ZAP 29.57 ETS 358.23 ZAE 148.93 ETE 14.79 ZAC 84.92 ETC 13.41 CLP -29.56

PLANETOCENTRIC CONIC

C3 10.379 VHL 3.222 DLA -18.97 RAL 148.32 RAD 6567.4 VEL 11.479 PTH 2.00 VHP 4.714 DPA 3.29 RAP 182.01 ECC 1.1708
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 3 1433.92 3.89 356.21 .71 118.07 7 17 57 833.9 7.62 349.51
 90.00 13 35 47 5349.03 27.68 243.88 5.44 83.77 15 4 56 4749.0 26.53 235.40
 100.00 8 3 46 1208.95 2.83 339.09 .12 119.77 8 23 55 608.9 6.77 332.52
 100.00 15 8 46 5049.23 28.89 221.65 5.27 81.95 16 32 55 4449.2 27.47 213.13
 110.00 8 46 48 1074.11 .18 327.21 358.46 124.18 9 4 42 474.1 4.66 320.99
 110.00 16 42 13 4756.84 31.96 198.79 4.61 77.16 18 1 30 4156.8 29.86 190.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5468 TRA -.4184 TC3 1.4295 BAU .2014 SGT 1553.5 SGR 293.5 SG3 518.2 ST 1001.2 SR 231.1 SS 1483.7
 RDE -.1292 RRA -.0442 RC3 .2526 FAU .08772 RRT -.0179 RRF .0034 RTF -.9076 CRT -.9395 CRS -.9840 CST .9843
 FDE-2.0430 FRA .3927 FC3-7.3170 BSP 5096 SGB 1581.0 R23 .0134 R13 .9076 LSA 1798.0 MSA 155.4 SSA 15.1
 BDE .5619 BRA .4207 BC3 1.4516 FSP -1550 SG1 1553.5 SG2 293.5 THA 179.80 EL1 1024.6 EL2 77.3 ALF 167.69

LAUNCH DATE JUN 7 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 318.032

RL 151.83 LAL -.00 LOL 255.58 VL 26.678 GAL -.41 AZL 93.45 HCA 137.68 SMA 128.04 ECC .18592 INC 3.4461 V1 29.345
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.606 GAP -6.04 AZP 87.45 TAL 181.80 TAP 319.48 RCA 104.23 APO 151.84 V2 34.990
 RC 64.367 GL -30.28 GP .60 ZAL 97.51 ZAP 32.90 ETS 358.25 ZAE 150.03 ETE 14.75 ZAC 85.04 ETC 13.41 CLP -32.90

PLANETOCENTRIC CONIC

C3 10.113 VHL 3.180 DLA -19.13 RAL 147.20 RAD 6567.4 VEL 11.467 PTH 1.99 VHP 4.434 DPA 3.41 RAP 181.91 ECC 1.1664
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 17 1422.43 4.26 355.57 359.32 118.02 7 14 59 822.4 7.98 348.86
 90.00 13 29 39 5350.12 27.69 243.96 3.98 83.81 14 58 49 4750.1 26.54 235.48
 100.00 8 0 50 1198.00 3.20 338.48 358.73 119.74 8 20 48 598.0 7.13 331.91
 100.00 15 2 47 5049.77 28.89 221.69 3.81 81.97 16 26 57 4449.8 27.48 213.17
 110.00 8 43 32 1064.17 .56 326.69 357.09 124.18 9 1 16 464.2 5.04 320.47
 110.00 16 36 34 4756.37 31.95 198.75 3.16 77.14 17 55 50 4156.4 29.85 190.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5264 TRA -.3939 TC3 1.4082 BAU .1934 SGT 1505.3 SGR 277.0 SG3 579.7 ST 975.2 SR 214.4 SS 1567.6
 RDE -.1183 RRA -.0403 RC3 .2507 FAU .09694 RRT -.0036 RRF -.0138 RTF -.9037 CRT -.9412 CRS -.9855 CST .9835
 FDE-2.2665 FRA .3688 FC3-8.2981 BSP 4860 SGB 1530.6 R23 .0172 R13 .9037 LSA 1851.9 MSA 156.5 SSA 14.2
 BDE .5395 BRA .3960 BC3 1.4304 FSP -1732 SG1 1505.3 SG2 277.0 THA 179.96 EL1 995.9 EL2 70.9 ALF 168.25

LAUNCH DATE JUN 7 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 324.611

RL 151.83 LAL -.00 LOL 255.58 VL 26.730 GAL -.49 AZL 93.45 HCA 140.88 SMA 128.38 ECC .18283 INC 3.4524 V1 29.345
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.655 GAP -5.47 AZP 87.32 TAL 182.19 TAP 323.07 RCA 104.91 APO 151.85 V2 35.003
 RC 66.356 GL -30.78 GP .68 ZAL 98.29 ZAP 36.48 ETS 358.28 ZAE 151.45 ETE 14.94 ZAC 85.39 ETC 13.42 CLP -36.48

PLANETOCENTRIC CONIC

C3 9.891 VHL 3.145 DLA -19.28 RAL 146.20 RAD 6567.4 VEL 11.458 PTH 1.99 VHP 4.173 DPA 3.64 RAP 181.60 ECC 1.1628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 48 53 1412.01 4.59 354.98 358.09 117.97 7 12 25 812.0 8.30 348.26
 90.00 13 24 3 5351.67 27.70 244.07 2.70 83.86 14 53 14 4751.7 26.56 235.59
 100.00 7 58 16 1188.11 3.53 337.94 357.51 119.70 8 18 4 588.1 7.46 331.35
 100.00 14 57 21 5050.81 28.90 221.77 2.53 82.01 16 21 31 4450.8 27.49 213.25
 110.00 8 40 40 1055.25 .90 326.22 355.86 124.17 8 58 15 455.2 5.38 320.00
 110.00 16 31 26 4756.43 31.95 198.76 1.88 77.15 17 50 42 4156.4 29.85 190.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5054 TRA -.3695 TC3 1.3825 BAU .1858 SGT 1453.5 SGR 260.0 SG3 653.0 ST 945.7 SR 196.4 SS 1666.6
 RDE -.1071 RRA -.0367 RC3 .2488 FAU .10808 RRT .0182 RRF -.0391 RTF -.9002 CRT -.9425 CRS -.9867 CST .9827
 FDE-2.5328 FRA .3389 FC3-9.4601 BSP 4730 SGB 1476.6 R23 -.0222 R13 -.9002 LSA 1919.8 MSA 157.1 SSA 13.4
 BDE .5166 BRA .3714 BC3 1.4048 FSP -1978 SG1 1453.5 SG2 260.0 THA .19 EL1 963.7 EL2 64.4 ALF 168.87

LAUNCH DATE JUN 7 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 331.171

RL 151.83 LAL -.00 LOL 255.58 VL 26.775 GAL -.56 AZL 93.46 HCA 144.08 SMA 128.68 ECC .18013 INC 3.4596 V1 29.345
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.699 GAP -4.92 AZP 87.20 TAL 182.54 TAP 326.62 RCA 105.50 APO 151.86 V2 35.016
 RC 68.382 GL -31.24 GP .78 ZAL 98.95 ZAP 40.33 ETS 358.32 ZAE 153.20 ETE 15.43 ZAC 85.98 ETC 13.44 CLP -40.32

PLANETOCENTRIC CONIC

C3 9.706 VHL 3.115 DLA -19.42 RAL 145.31 RAD 6567.4 VEL 11.450 PTH 1.99 VHP 3.933 DPA 4.00 RAP 181.06 ECC 1.1597
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 59 1402.28 4.90 354.44 357.03 117.92 7 10 21 802.3 8.60 347.71
 90.00 13 18 55 5353.92 27.71 244.23 1.58 83.94 14 48 9 4753.9 26.58 235.74
 100.00 7 56 12 1178.90 3.84 337.43 356.44 119.67 8 15 51 578.9 7.76 330.84
 100.00 14 52 23 5052.53 28.92 221.89 1.42 82.07 16 16 35 4452.5 27.52 213.37
 110.00 8 38 17 1047.02 1.21 325.79 354.80 124.16 8 55 44 447.0 5.69 319.57
 110.00 16 26 47 4757.17 31.96 198.81 .77 77.18 17 46 4 4157.2 29.87 190.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4742 TRA -.3477 TC3 1.3036 BAU .1722 SGT 1371.1 SGR 242.7 SG3 730.5 ST 895.8 SR 176.9 SS 1763.1
 RDE -.0956 RRA -.0333 RC3 .2475 FAU .11973 RRT .0481 RRF -.0751 RTF -.8910 CRT -.9415 CRS -.9874 CST .9811
 FDE-2.8173 FRA .3072 FC3-10.6797 BSP 4450 SGB 1392.4 R23 -.0308 R13 -.8911 LSA 1979.1 MSA 158.2 SSA 12.4
 BDE .4837 BRA .3493 BC3 1.3269 FSP -2228 SG1 1371.2 SG2 242.4 THA .50 EL1 911.2 EL2 58.6 ALF 169.42

LAUNCH DATE JUN 7 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 337.712

RL 151.83 LAL -.00 LOL 255.58 VL 26.814 GAL -.61 AZL 93.47 HCA 147.28 SMA 128.94 ECC .17781 INC 3.4679 V1 29.345
 RP 108.18 LAP -1.87 LOP 42.91 VP 37.739 GAP -4.39 AZP 87.08 TAL 182.83 TAP 330.11 RCA 106.01 APO 151.87 V2 35.029
 RC 70.443 GL -31.65 GP .89 ZAL 99.51 ZAP 44.45 ETS 358.38 ZAE 155.30 ETE 16.30 ZAC 86.84 ETC 13.49 CLP -44.44

PLANETOCENTRIC CONIC

C3 9.553 VHL 3.091 DLA -19.58 RAL 144.56 RAD 6567.3 VEL 11.443 PTH 1.98 VHP 3.713 DPA 4.48 RAP 180.27 ECC 1.1572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 39 1392.87 5.20 353.91 356.12 117.87 7 8 52 792.9 8.89 347.17
 90.00 13 14 13 5357.07 27.74 244.46 .64 84.05 14 43 30 4757.1 26.62 235.97
 100.00 7 54 41 1170.06 4.14 336.94 355.54 119.63 8 14 12 570.1 8.05 330.34
 100.00 14 47 51 5055.12 28.94 222.08 .48 82.17 16 12 6 4455.1 27.55 213.55
 110.00 8 36 27 1039.22 1.51 325.39 353.90 124.15 8 53 46 439.2 5.98 319.16
 110.00 16 22 35 4758.72 31.98 198.93 359.84 77.24 17 41 54 4158.7 29.90 190.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4374 TRA -.3277 TC3 1.1923 BAU .1555 SGT 1271.4 SGR 225.5 SG3 816.8 ST 833.9 SR 155.9 SS 1868.6
 RDE -.0835 RRA -.0302 RC3 .2473 FAU .13267 RRT .0887 RRF -.1254 RTF -.8769 CRT -.9383 CRS -.9876 CST .9787
 FDE-3.1383 FRA .2713 FC-12.0235 BSP 4093 SGB 1291.3 R23 -.0453 R13 -.8770 LSA 2046.0 MSA 159.1 SSA 11.5
 BDE .4453 BRA .3291 BC3 1.2177 FSP -2504 SG1 1271.6 SG2 224.6 THA .93 EL1 846.7 EL2 53.1 ALF 170.01

LAUNCH DATE JUN 7 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 344.233

RL 151.83 LAL -.00 LOL 255.58 VL 26.847 GAL -.65 AZL 93.48 HCA 150.49 SMA 129.16 ECC .17583 INC 3.4779 V1 29.345
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.775 GAP -3.87 AZP 86.97 TAL 183.06 TAP 333.56 RCA 106.45 APO 151.87 V2 35.042
 RC 72.534 GL -32.03 GP 1.04 ZAL 99.95 ZAP 48.86 ETS 358.45 ZAE 157.73 ETE 17.73 ZAC 87.97 ETC 13.56 CLP -48.85

PLANETOCENTRIC CONIC

C3 9.428 VHL 3.071 DLA -19.74 RAL 143.93 RAD 6567.3 VEL 11.438 PTH 1.98 VHP 3.516 DPA 5.10 RAP 179.22 ECC 1.1552
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 0 1383.41 5.50 353.37 355.39 117.82 7 8 3 783.4 9.19 346.63
 90.00 13 9 51 5361.40 27.77 244.77 359.88 84.21 14 39 12 4761.4 26.67 236.27
 100.00 7 53 51 1161.22 4.44 336.46 354.80 119.59 8 13 12 561.2 8.34 329.85
 100.00 14 43 41 5058.82 28.97 222.35 359.72 82.31 16 7 59 4458.8 27.61 213.81
 110.00 8 35 14 1031.53 1.81 324.99 353.17 124.14 8 52 26 431.5 6.27 318.75
 110.00 16 18 47 4761.28 32.02 199.12 359.08 77.35 17 38 8 4161.3 29.95 190.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3886 TRA -.3119 TC3 1.0267 BAU .1332 SGT 1142.7 SGR 208.9 SG3 906.6 ST 748.7 SR 132.9 SS 1970.3
 RDE -.0707 RRA -.0272 RC3 .2488 FAU .14610 RRT .1426 RRF -.1961 RTF -.8498 CRT -.9297 CRS -.9870 CST .9740
 FDE-3.4730 FRA .2410 FC-13.4148 BSP 3646 SGB 1161.6 R23 -.0716 R13 -.8501 LSA 2105.8 MSA 160.6 SSA 10.5
 BDE .3950 BRA .3131 BC3 1.0564 FSP -2804 SG1 1143.1 SG2 206.7 THA 1.54 EL1 758.8 EL2 48.3 ALF 170.59

LAUNCH DATE JUN 7 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 350.734

RL 151.83 LAL -.00 LOL 255.58 VL 26.874 GAL -.68 AZL 93.49 HCA 153.70 SMA 129.35 ECC .17416 INC 3.4902 V1 29.345
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.807 GAP -3.36 AZP 86.87 TAL 183.24 TAP 336.94 RCA 106.82 APO 151.88 V2 35.056
 RC 74.652 GL -32.38 GP 1.22 ZAL 100.27 ZAP 53.57 ETS 358.55 ZAE 160.48 ETE 20.03 ZAC 89.38 ETC 13.66 CLP -53.56

PLANETOCENTRIC CONIC

C3 9.330 VHL 3.055 DLA -19.93 RAL 143.43 RAD 6567.3 VEL 11.433 PTH 1.98 VHP 3.340 DPA 5.88 RAP 177.92 ECC 1.1536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 7 1373.52 5.82 352.82 354.82 117.76 7 8 1 773.5 9.49 346.06
 90.00 13 5 44 5367.20 27.81 245.19 359.29 84.41 14 35 11 4767.2 26.74 236.69
 100.00 7 53 45 1152.05 4.75 335.95 354.23 119.55 8 12 57 552.0 8.65 329.33
 100.00 14 39 47 5063.90 29.02 222.72 359.13 82.50 16 4 11 4463.9 27.68 214.17
 110.00 8 34 43 1023.67 2.11 324.58 352.59 124.13 8 51 47 423.7 6.57 318.33
 110.00 16 15 18 4761.28 32.08 199.40 358.51 77.50 17 34 43 4165.0 30.03 190.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3326 TRA -.2983 TC3 .8227 BAU .1074 SGT 998.0 SGR 193.9 SG3 1003.4 ST 649.1 SR 107.8 SS 2081.8
 RDE -.0569 RRA -.0243 RC3 .2528 FAU .16047 RRT .2061 RRF -.2911 RTF -.8038 CRT -.9133 CRS -.9851 CST .9660
 FDE-3.8423 FRA .2087 FC-14.8900 BSP 3119 SGB 1016.7 R23 -.1218 R13 -.8048 LSA 2177.3 MSA 161.8 SSA 9.4
 BDE .3374 BRA .2993 BC3 .8606 FSP -3131 SG1 998.8 SG2 189.6 THA 2.38 EL1 656.6 EL2 43.4 ALF 171.33

LAUNCH DATE JUN 7 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 357.216

RL 151.83 LAL -.00 LOL 255.58 VL 26.897 GAL -.70 AZL 93.51 HCA 156.91 SMA 129.50 ECC .17279 INC 3.5055 V1 29.345
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.835 GAP -2.87 AZP 86.77 TAL 183.35 TAP 340.27 RCA 107.13 APO 151.88 V2 35.069
 RC 76.795 GL -32.72 GP 1.44 ZAL 100.47 ZAP 58.56 ETS 358.67 ZAE 163.49 ETE 23.75 ZAC 91.05 ETC 13.81 CLP -58.55

PLANETOCENTRIC CONIC

C3 9.256 VHL 3.042 DLA -20.15 RAL 143.06 RAD 6567.3 VEL 11.430 PTH 1.98 VHP 3.189 DPA 6.80 RAP 176.38 ECC 1.1523
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 9 1362.68 6.16 352.21 354.42 117.69 7 8 52 762.7 9.82 345.44
 90.00 13 1 43 5374.94 27.86 245.75 358.88 84.69 14 31 18 4774.9 26.83 237.24
 100.00 7 54 30 1142.08 5.08 335.40 353.83 119.50 8 13 32 542.1 8.97 328.77
 100.00 14 36 3 5070.77 29.08 223.22 358.73 82.76 16 0 34 4470.8 27.77 214.66
 110.00 8 34 58 1015.28 2.43 324.14 352.18 124.11 8 51 53 415.3 6.89 317.89
 110.00 16 12 5 4770.34 32.16 199.79 358.11 77.72 17 31 35 4170.3 30.13 191.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2633 TRA -.2888 TC3 .5603 BAU .0764 SGT 835.2 SGR 182.0 SG3 1098.2 ST 525.5 SR 80.3 SS 2186.1
 RDE -.0420 RRA -.0216 RC3 .2598 FAU .17444 RRT .2619 RRF -.4144 RTF -.7096 CRT -.8746 CRS -.9797 CST .9482
 FDE-4.2101 FRA .1875 FC-16.3152 BSP 2431 SGB 854.8 R23 -.2279 R13 -.7126 LSA 2243.9 MSA 163.4 SSA 8.4
 BDE .2666 BRA .2896 BC3 .6177 FSP -3439 SG1 836.7 SG2 175.4 THA 3.42 EL1 530.2 EL2 38.6 ALF 172.35

LAUNCH DATE JUN 7 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 363.677

RL 151.83 LAL -1.00 LOL 255.58 VL 26.915 GAL -1.70 AZL 93.53 HCA 160.13 SMA 129.63 ECC .17168 INC 3.5255 V1 29.345
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.860 GAP -2.39 AZP 86.68 TAL 183.40 TAP 343.53 RCA 107.37 APO 151.88 V2 35.082
 RC 78.958 GL -33.06 GP 1.73 ZAL 100.55 ZAP 63.82 ETS 358.82 ZAE 166.65 ETE 30.07 ZAC 92.95 ETC 14.02 CLP -63.80

PLANETOCENTRIC CONIC

C3 9.206 VHL 3.034 DLA -20.42 RAL 142.80 RAD 6567.3 VEL 11.428 PTH 1.98 VHP 3.061 DPA 7.90 RAP 174.62 ECC 1.1515
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 48 13 1350.31 6.55 351.51 354.19 117.61 7 10 44 750.3 10.20 344.73
 90.00 12 57 38 5385.21 27.92 246.50 358.65 85.06 14 27 24 4785.2 26.94 237.97
 100.00 7 56 15 1130.80 5.46 334.77 353.59 119.44 8 15 5 530.8 9.34 328.14
 100.00 14 32 18 5079.96 29.16 223.90 358.50 83.10 15 56 58 4480.0 27.90 215.32
 110.00 8 36 5 1005.94 2.78 323.65 351.93 124.08 8 52 51 405.9 7.24 317.39
 110.00 16 8 57 4777.58 32.26 200.33 357.90 78.03 17 28 35 4177.6 30.27 191.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1839 TRA -.2812 TC3 .2558 BAU .0459 SGT 682.4 SGR 175.9 SG3 1192.1 ST 386.7 SR 49.7 SS 2291.2
 RDE -.0255 RRA -.0191 RC3 .2716 FAU .18820 RRT .2553 RRF -.5631 RTF -.5171 CRT -.7659 CRS -.9604 CST .9032
 FDE-4.5837 FRA .1714 FC-17.6980 BSP 1684 SGB 704.7 R23 -.4368 R13 -.5248 LSA 2318.3 MSA 164.5 SSA 7.3
 BDE .1857 BRA .2818 BC3 .3731 FSP -3762 SG1 684.0 SG2 169.7 THA 4.01 EL1 388.6 EL2 31.8 ALF 174.34

LAUNCH DATE JUN 7 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 370.119

RL 151.83 LAL -1.00 LOL 255.58 VL 26.929 GAL -1.70 AZL 93.55 HCA 163.34 SMA 129.72 ECC .17082 INC 3.5529 V1 29.345
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.881 GAP -1.93 AZP 86.60 TAL 183.39 TAP 346.73 RCA 107.56 APO 151.88 V2 35.094
 RC 81.139 GL -33.41 GP 2.13 ZAL 100.50 ZAP 69.29 ETS 359.00 ZAE 169.69 ETE 41.57 ZAC 95.04 ETC 14.29 CLP -69.28

PLANETOCENTRIC CONIC

C3 9.184 VHL 3.030 DLA -20.75 RAL 142.67 RAD 6567.3 VEL 11.427 PTH 1.98 VHP 2.960 DPA 9.16 RAP 172.69 ECC 1.1511
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 35 1335.49 7.02 350.67 354.13 117.50 7 13 51 735.5 10.65 343.87
 90.00 12 53 11 5399.08 28.00 247.50 358.59 85.56 14 23 10 4799.1 27.09 238.96
 100.00 7 59 10 1117.39 5.91 334.03 353.53 119.36 8 17 47 517.4 9.77 327.38
 100.00 14 28 17 5092.42 29.26 224.81 358.46 83.57 15 53 9 4492.4 28.06 216.21
 110.00 8 38 12 995.04 3.20 323.08 351.85 124.05 8 54 47 395.0 7.65 316.82
 110.00 16 5 44 4787.53 32.40 201.07 357.88 78.45 17 25 32 4187.5 30.47 192.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0920 TRA -.2764 TC3 -.1027 BAU .0377 SGT 588.6 SGR 179.2 SG3 1275.0 ST 241.6 SR 17.0 SS 2389.0
 RDE -.0066 RRA -.0167 RC3 .2896 FAU .19995 RRT .0548 RRF -.7183 RTF -.1264 CRT -.1199 CRS -.7209 CST .7266
 FDE-4.9379 FRA .1634 FC-18.8486 BSP 846 SGB 615.3 R23 -.7117 R13 -.1303 LSA 2395.5 MSA 165.9 SSA 6.2
 BDE .0923 BRA .2769 BC3 .3073 FSP -4040 SG1 588.7 SG2 178.9 THA 1.05 EL1 241.6 EL2 16.8 ALF 179.52

LAUNCH DATE JUN 7 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 376.540

RL 151.83 LAL -1.00 LOL 255.58 VL 26.939 GAL -1.68 AZL 93.59 HCA 166.56 SMA 129.79 ECC .17019 INC 3.5930 V1 29.345
 RP 107.94 LAP -.83 LOP 62.17 VP 37.900 GAP -1.47 AZP 86.50 TAL 183.31 TAP 349.87 RCA 107.70 APO 151.88 V2 35.107
 RC 83.336 GL -33.83 GP 2.69 ZAL 100.32 ZAP 74.93 ETS 359.22 ZAE 171.97 ETE 63.02 ZAC 97.24 ETC 14.66 CLP -74.92

PLANETOCENTRIC CONIC

C3 9.196 VHL 3.032 DLA -21.18 RAL 142.63 RAD 6567.3 VEL 11.427 PTH 1.98 VHP 2.884 DPA 10.64 RAP 170.67 ECC 1.1513
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 41 1316.60 7.61 349.60 354.26 117.36 7 18 37 716.6 11.22 342.77
 90.00 12 47 46 5418.49 28.09 248.92 358.73 86.26 14 18 5 4818.5 27.27 240.35
 100.00 8 3 39 1100.46 6.47 333.09 353.64 119.25 8 22 0 500.5 10.32 326.42
 100.00 14 23 29 5109.87 29.38 226.09 358.61 84.24 15 48 39 4509.9 28.27 217.46
 110.00 8 41 36 981.54 3.71 322.37 351.94 124.01 8 57 57 381.5 8.15 316.10
 110.00 16 2 2 4801.55 32.58 202.12 358.06 79.04 17 22 3 4201.6 30.73 193.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0109 TRA -.2739 TC3 -.4941 BAU .0723 SGT 631.1 SGR 198.2 SG3 1346.2 ST 168.0 SR 32.4 SS 2482.4
 RDE .0162 RRA -.0147 RC3 .3192 FAU .20980 RRT -.3370 RRF -.8528 RTF .3663 CRT .1473 CRS .9532 CST -.1142
 FDE-5.2699 FRA .1723 FC-19.7510 BSP 600 SGB 661.5 R23 .7618 R13 -.3923 LSA 2482.6 MSA 167.1 SSA 5.1
 BDE .0195 BRA .2743 BC3 .5882 FSP -4269 SG1 634.9 SG2 185.5 THA 173.39 EL1 168.1 EL2 32.0 ALF 1.69

LAUNCH DATE JUN 7 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 382.942

RL 151.83 LAL -1.00 LOL 255.58 VL 26.945 GAL -1.65 AZL 93.66 HCA 169.78 SMA 129.83 ECC .16978 INC 3.6581 V1 29.345
 RP 107.91 LAP -.65 LOP 65.39 VP 37.916 GAP -1.02 AZP 86.40 TAL 183.16 TAP 352.95 RCA 107.79 APO 151.87 V2 35.119
 RC 85.546 GL -34.39 GP 3.59 ZAL 100.00 ZAP 80.66 ETS 359.51 ZAE 172.18 ETE 94.19 ZAC 99.43 ETC 15.17 CLP -80.65

PLANETOCENTRIC CONIC

C3 9.264 VHL 3.044 DLA -21.80 RAL 142.65 RAD 6567.3 VEL 11.430 PTH 1.98 VHP 2.834 DPA 12.46 RAP 168.68 ECC 1.1525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 28 1290.13 8.44 348.09 354.60 117.13 7 25 59 690.1 12.01 341.23
 90.00 12 40 9 5447.82 28.20 251.05 359.08 87.33 14 10 57 4847.8 27.53 242.45
 100.00 8 10 31 1077.01 7.25 331.78 353.96 119.08 8 28 28 477.0 11.07 325.08
 100.00 14 16 49 5136.18 29.55 228.03 358.98 85.24 15 42 25 4536.2 28.57 219.36
 110.00 8 46 48 963.24 4.41 321.41 352.21 123.93 9 2 51 363.2 8.84 315.12
 110.00 15 57 0 4822.71 32.85 203.72 358.48 79.95 17 17 23 4222.7 31.11 194.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1259 TRA -.2734 TC3 -.9121 BAU .1219 SGT 819.6 SGR 243.8 SG3 1397.5 ST 290.1 SR 88.9 SS 2570.3
 RDE .0469 RRA -.0129 RC3 .3708 FAU .21632 RRT -.6592 RRF -.9417 RTF .6876 CRT -.7653 CRS .9961 CST -.8127
 FDE-5.5731 FRA .1814 FC-20.2153 BSP 1546 SGB 855.1 R23 .6185 R13 -.7156 LSA 2582.8 MSA 168.4 SSA 4.0
 BDE .1344 BRA .2737 BC3 .9846 FSP -4454 SG1 836.0 SG2 179.7 THA 168.36 EL1 298.2 EL2 55.6 ALF 166.32

LAUNCH DATE JUN 7 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 389.324

RL 151.83 LAL -.00 LOL 255.58 VL 26.948 GAL -.60 AZL 93.78 HCA 173.01 SMA 129.85 ECC .16957 INC 3.7807 V1 29.345
 RP 107.87 LAP -.46 LOP 68.60 VP 37.929 GAP -.59 AZP 86.25 TAL 182.95 TAP 355.96 RCA 107.83 APO 151.87 V2 35.131
 RC 87.767 GL -35.32 GP 5.28 ZAL 99.51 ZAP 86.40 ETS 359.92 ZAE 169.58 ETE 117.84 ZAC 101.40 ETC 15.94 CLP -86.38

PLANETOCENTRIC CONIC

C3 9.451 VHL 3.074 DLA -22.81 RAL 142.64 RAD 6567.3 VEL 11.439 PTH 1.98 VHP 2.813 DPA 14.99 RAP 166.98 ECC 1.1555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 17 52 1245.89 9.80 345.55 355.24 116.70 7 38 38 645.9 13.31 338.63
 90.00 12 26 40 5499.86 28.31 254.86 359.72 89.23 13 58 20 4899.9 27.90 246.22
 100.00 8 22 7 1038.51 8.52 329.63 354.55 118.76 8 39 26 438.5 12.29 322.87
 100.00 14 5 6 5182.47 29.76 231.45 359.67 87.03 15 31 28 4582.5 29.03 222.72
 110.00 8 55 26 934.09 5.52 319.88 352.72 123.79 9 11 0 334.1 9.92 313.56
 110.00 15 48 17 4859.66 33.25 206.53 359.26 81.57 17 9 17 4259.7 31.75 197.63

DIFFERENTIAL CORRECTIONS

TDE -.2526 TRA -.2731 TC3-1.3147 BAU .1765
 RDE .0968 RRA -.0125 RC3 .4722 FAU .21754
 FDE-5.8389 FRA .2182 FC-19.9265 BSP 2676
 BDE .2705 BRA .2734 BC3 1.3969 FSP -4490

MID-COURSE EXECUTION ACCURACY

SGT 1086.3 SGR 342.8 SG3 1416.3
 RRT -.8210 RRF -.9845 RTF .8302
 SGB 1139.1 R23 .4927 R13 -.8532
 SG1 1123.3 SG2 189.3 THA 165.04

ORBIT DETERMINATION ACCURACY

ST 499.7 SR 180.8 SS 2646.4
 CRT -.9287 CRS .9995 CST -.9392
 LSA 2693.9 MSA 169.1 SSA 2.9
 EL1 527.6 EL2 63.5 ALF 161.14

LAUNCH DATE JUN 7 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 395.686

RL 151.83 LAL -.00 LOL 255.58 VL 26.947 GAL -.55 AZL 94.12 HCA 176.23 SMA 129.85 ECC .16955 INC 4.1152 V1 29.345
 RP 107.83 LAP -.27 LOP 71.82 VP 37.939 GAP -.16 AZP 85.89 TAL 182.68 TAP 358.92 RCA 107.83 APO 151.86 V2 35.143
 RC 89.996 GL -37.58 GP 9.74 ZAL 98.74 ZAP 92.02 ETS .75 ZAE 163.81 ETE 124.63 ZAC 102.47 ETC 17.46 CLP -92.05

PLANETOCENTRIC CONIC

C3 10.063 VHL 3.172 DLA -25.08 RAL 142.18 RAD 6567.4 VEL 11.465 PTH 1.99 VHP 2.836 DPA 20.04 RAP 166.46 ECC 1.1656
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 51 59 1132.89 13.18 338.97 356.73 115.29 8 10 52 532.9 16.48 331.85
 90.00 11 48 55 5637.67 28.02 264.92 .90 94.26 13 22 53 5037.7 28.32 256.27
 100.00 8 50 13 944.86 11.54 324.32 355.89 117.77 9 5 58 344.9 15.16 317.41
 100.00 13 33 22 5300.93 29.85 240.25 1.01 91.66 15 1 43 4700.9 29.76 231.45
 110.00 9 14 48 867.76 8.01 316.37 353.78 123.34 9 29 16 267.8 12.34 309.95
 110.00 15 25 17 4950.79 33.94 213.55 .90 85.67 16 47 48 4350.8 32.97 204.45

DIFFERENTIAL CORRECTIONS

TDE -.4107 TRA -.2846 TC3-1.6354 BAU .2416
 RDE .2259 RRA -.0112 RC3 .7428 FAU .21317
 FDE-6.2726 FRA .1390 FC-18.3387 BSP 4093
 BDE .4687 BRA .2849 BC3 1.7962 FSP -4428

MID-COURSE EXECUTION ACCURACY

SGT 1396.0 SGR 623.8 SG3 1403.3
 RRT -.8945 RRF -.9981 RTF .8961
 SGB 1529.1 R23 .3752 R13 -.9249
 SG1 1507.1 SG2 258.3 THA 157.52

ORBIT DETERMINATION ACCURACY

ST 761.7 SR 408.4 SS 2777.9
 CRT -.9709 CRS 1.0000 CST -.9730
 LSA 2904.2 MSA 170.3 SSA 1.7
 EL1 859.9 EL2 86.7 ALF 152.19

LAUNCH DATE JUN 7 1967

FLIGHT TIME 146.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 402.027

RL 151.83 LAL -.00 LOL 255.58 VL 26.944 GAL -.48 AZL 98.44 HCA 179.46 SMA 129.82 ECC .16970 INC 8.3509 V1 29.345
 RP 107.80 LAP -.08 LOP 75.05 VP 37.947 GAP .26 AZP 81.56 TAL 182.35 TAP 1.81 RCA 107.79 APO 151.85 V2 35.154
 RC 92.232 GL -55.43 GP 51.22 ZAL 95.38 ZAP 94.97 ETS 7.16 ZAE 124.10 ETE 107.34 ZAC 89.95 ETC 23.97 CLP -97.95

PLANETOCENTRIC CONIC

C3 23.050 VHL 4.801 DLA -41.60 RAL 133.91 RAD 6567.9 VEL 12.018 PTH 2.15 VHP 4.279 DPA 57.15 RAP 191.77 ECC 1.3793
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.16 5 47 27 1578.92 26.79 20.83 9.24 123.10 6 13 46 978.9 30.94 13.44
 121.84 12 47 29 5562.27 26.80 258.90 9.25 123.09 14 20 11 4962.3 30.95 251.51
 58.16 5 47 27 1578.92 26.79 20.83 9.24 123.10 6 13 46 978.9 30.94 13.44
 121.84 12 47 29 5562.27 26.80 258.90 9.25 123.09 14 20 11 4962.3 30.95 251.51
 58.16 5 47 27 1578.92 26.79 20.83 9.24 123.10 6 13 46 978.9 30.94 13.44
 121.84 12 47 29 5562.27 26.80 258.90 9.25 123.09 14 20 11 4962.3 30.95 251.51

DIFFERENTIAL CORRECTIONS

TDE -.6013 TRA .0205 TC3 .0825 BAU .0254
 RDE 1.4295 RRA -.5020 RC3 -.0032 FAU-.00076
 FDE-3.7622 FRA 1.3026 FC3 .0287 BSP 11724
 BDE 1.5508 BRA .5024 BC3 .0826 FSP 1926

MID-COURSE EXECUTION ACCURACY

SGT 722.7 SGR 1884.6 SG3 427.5
 RRT -.9182 RRF-1.0000 RTF .9207
 SGB 2018.4 R23 .0421 R13 -.9991
 SG1 2000.3 SG2 269.7 THA 109.77

ORBIT DETERMINATION ACCURACY

ST 717.6 SR 1722.8 SS 1675.8
 CRT -.9920 CRS 1.0000 CST -.9923
 LSA 2506.8 MSA 86.1 SSA .3
 EL1 1864.4 EL2 83.5 ALF 112.50

LAUNCH DATE JUN 7 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 408.359

RL 151.83 LAL -.00 LOL 255.58 VL 26.938 GAL -.40 AZL 92.38 HCA 182.69 SMA 129.78 ECC .17002 INC 2.3751 V1 29.345
 RP 107.77 LAP .11 LOP 78.27 VP 37.953 GAP .67 AZP 87.62 TAL 181.95 TAP 4.64 RCA 107.71 APO 151.84 V2 35.165
 RC 94.474 GL -24.41 GP -13.27 ZAL 98.76 ZAP 102.53 ETS 357.65 ZAE 160.34 ETE 209.81 ZAC 112.28 ETC 10.81 CLP-102.88

PLANETOCENTRIC CONIC

C3 7.327 VHL 2.707 DLA -13.39 RAL 148.74 RAD 6567.2 VEL 11.345 PTH 1.96 VHP 2.930 DPA .23 RAP 153.70 ECC 1.1206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 2 8 1574.07 -.62 4.04 356.10 118.31 6 28 22 974.1 3.17 357.41
 90.00 14 31 5 5076.27 24.19 224.71 358.99 74.81 15 55 41 4476.3 21.87 216.81
 100.00 7 16 29 1334.21 -1.42 345.96 355.66 119.86 7 38 43 734.2 2.57 339.44
 100.00 15 59 25 4791.37 25.06 203.48 358.72 73.15 17 19 17 4191.4 22.51 195.61
 110.00 8 9 0 1169.74 -3.47 332.20 354.38 124.03 8 28 29 569.7 1.02 325.99
 110.00 17 23 24 4528.61 27.35 182.64 357.83 68.65 18 38 52 3928.6 24.20 174.89

DIFFERENTIAL CORRECTIONS

TDE -.3951 TRA -.1370 TC3-3.3355 BAU .3500
 RDE -.1881 RRA .0694 RC3-1.2815 FAU .19239
 FDE-3.4450 FRA 1.2179 FC-22.7322 BSP 5986
 BDE .4376 BRA .1536 BC3 3.5732 FSP -3686

MID-COURSE EXECUTION ACCURACY

SGT 2012.2 SGR 814.1 SG3 1257.0
 RRT .9406 RRF .9999 RTF .9405
 SGB 2170.6 R23 .2957 R13 .9552
 SG1 2155.2 SG2 258.0 THA 21.15

ORBIT DETERMINATION ACCURACY

ST 842.9 SR 401.4 SS 1859.2
 CRT .9760 CRS-1.0000 CST -.9769
 LSA 2073.9 MSA 165.2 SSA .8
 EL1 930.2 EL2 79.3 ALF 25.12

LAUNCH DATE JUN 7 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 414.659

RL 151.83 LAL -.00 LOL 255.58 VL 26.929 GAL -.31 AZL 92.93 HCA 185.92 SMA 129.72 ECC .17050 INC 2.9333 V1 29.345
 RP 107.73 LAP .30 LOP 81.50 VP 37.956 GAP 1.08 AZP 87.08 TAL 181.50 TAP 7.43 RCA 107.60 APO 151.84 V2 35.175
 RC 96.719 GL -29.08 GP -6.00 ZAL 97.49 ZAP 107.81 ETS 358.82 ZAE 159.04 ETE 187.98 ZAC 112.56 ETC 13.69 CLP-107.91

PLANETOCENTRIC CONIC

C3 8.044 VHL 2.836 DLA -18.07 RAL 147.80 RAD 6567.3 VEL 11.377 PTH 1.96 VHP 2.931 DPA 7.67 RAP 154.58 ECC 1.1324
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 27 1420.47 4.32 355.46 356.99 118.01 7 6 7 820.5 8.04 348.75
 90.00 13 43 15 5263.87 26.90 237.77 .84 80.80 15 10 59 4663.9 25.35 229.44
 100.00 7 53 5 1192.54 3.38 338.18 356.47 119.72 8 12 58 592.5 7.31 331.60
 100.00 15 15 18 4967.04 27.96 215.72 .63 78.96 16 38 5 4367.0 26.15 207.38
 110.00 8 37 55 1052.06 1.02 326.06 355.00 124.17 8 55 27 452.1 5.50 319.83
 110.00 16 46 57 4680.28 30.66 193.20 359.89 74.09 18 4 57 4080.3 28.18 184.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.6032 TRA -.1713 TC3-3.5864 BAU .3910 SGT 2399.2 SGR 403.0 SG3 1331.8 ST 1225.0 SR 210.6 SS 2297.5
 RDE -.1038 RRA .0262 RC3 -.5988 FAU .20215 RRT .9579 RRF .9967 RTF .9588 CRT .9858 CRS -.9998 CST -.9887
 FDE -4.4793 FRA .8708 FC-21.7565 BSP 7091 SGB 2432.8 R23 .2653 R13 .9609 LSA 2607.1 MSA 163.0 SSA 1.8
 BDE .6121 BRA .1733 BC3 3.6361 FSP -4206 SG1 2430.1 SG2 114.2 THA 9.16 EL1 1242.5 EL2 34.8 ALF 9.63

LAUNCH DATE JUN 7 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 420.944

RL 151.83 LAL -.00 LOL 255.58 VL 26.918 GAL -.21 AZL 93.10 HCA 189.16 SMA 129.64 ECC .17114 INC 3.0982 V1 29.345
 RP 107.70 LAP .49 LOP 84.72 VP 37.958 GAP 1.48 AZP 86.94 TAL 181.00 TAP 10.15 RCA 107.46 APO 151.83 V2 35.185
 RC 98.967 GL -30.33 GP -3.80 ZAL 96.40 ZAP 112.60 ETS 359.25 ZAE 155.76 ETE 182.44 ZAC 113.52 ETC 14.71 CLP-112.65

PLANETOCENTRIC CONIC

C3 8.300 VHL 2.881 DLA -19.61 RAL 148.26 RAD 6567.3 VEL 11.388 PTH 1.97 VHP 2.997 DPA 10.25 RAP 153.92 ECC 1.1366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 46 1364.63 6.10 352.32 358.21 117.71 7 23 31 764.6 9.76 345.55
 90.00 13 28 39 5331.38 27.54 242.60 2.30 83.14 14 57 30 4731.4 26.30 234.15
 100.00 8 9 47 1141.93 5.08 335.39 357.65 119.50 8 28 49 541.9 8.98 328.76
 100.00 15 2 19 5029.31 28.69 220.20 2.12 81.21 16 26 9 4429.3 27.17 211.73
 110.00 8 51 28 1011.30 2.58 323.93 356.09 124.10 9 8 19 411.3 7.04 317.68
 110.00 16 37 8 4732.70 31.58 197.01 1.46 76.17 17 56 0 4132.7 29.35 188.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7414 TRA -.1628 TC3-3.9445 BAU .4402 SGT 2730.8 SGR 274.5 SG3 1292.7 ST 1479.6 SR 121.6 SS 2367.2
 RDE -.0606 RRA .0218 RC3 -.4205 FAU .19500 RRT .9506 RRF .9796 RTF .9655 CRT .9831 CRS -.9983 CST -.9915
 FDE -4.5853 FRA .8680 FC-20.3397 BSP 8184 SGB 2744.6 R23 .1960 R13 .9661 LSA 2789.4 MSA 163.5 SSA 3.0
 BDE .7438 BRA .1643 BC3 3.9668 FSP -4126 SG1 2743.3 SG2 84.8 THA 5.46 EL1 1484.4 EL2 22.2 ALF 4.62

LAUNCH DATE JUN 7 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 427.210

RL 151.83 LAL -.00 LOL 255.58 VL 26.904 GAL -.09 AZL 93.18 HCA 192.39 SMA 129.55 ECC .17193 INC 3.1768 V1 29.345
 RP 107.67 LAP .68 LOP 87.95 VP 37.957 GAP 1.87 AZP 86.90 TAL 180.44 TAP 12.83 RCA 107.28 APO 151.83 V2 35.195
 RC 101.218 GL -30.86 GP -2.74 ZAL 95.27 ZAP 117.06 ETS 359.51 ZAE 152.59 ETE 180.55 ZAC 114.42 ETC 15.29 CLP-117.09

PLANETOCENTRIC CONIC

C3 8.449 VHL 2.907 DLA -20.53 RAL 149.12 RAD 6567.3 VEL 11.395 PTH 1.97 VHP 3.083 DPA 11.65 RAP 153.14 ECC 1.1391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 42 1329.15 7.22 350.31 359.54 117.46 7 36 51 729.1 10.84 343.50
 90.00 13 21 31 5373.57 27.85 245.65 3.74 84.64 14 51 5 4773.6 26.81 237.14
 100.00 8 22 35 1110.10 6.15 333.63 358.96 119.31 8 41 5 510.1 10.01 326.97
 100.00 14 56 20 5067.86 29.06 223.01 3.59 82.65 16 20 48 4467.9 27.73 214.46
 110.00 9 2 9 986.07 3.54 322.61 357.35 124.02 9 18 35 386.1 7.98 316.34
 110.00 16 33 15 4764.65 32.07 199.37 2.98 77.49 17 52 40 4164.6 30.02 190.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.8630 TRA -.1431 TC3-4.2907 BAU .4863 SGT 3034.2 SGR 220.9 SG3 1233.3 ST 1705.0 SR 70.6 SS 2382.8
 RDE -.0350 RRA .0221 RC3 -.3521 FAU .18441 RRT .9158 RRF .9356 RTF .9700 CRT .9675 CRS -.9895 CST -.9933
 FDE -4.5257 FRA .8892 FC-18.8949 BSP 9195 SGB 3042.2 R23 .1158 R13 .9702 LSA 2926.4 MSA 161.3 SSA 4.2
 BDE .8637 BRA .1448 BC3 4.3051 FSP -3960 SG1 3040.9 SG2 88.6 THA 3.82 EL1 1706.4 EL2 17.8 ALF 2.29

LAUNCH DATE JUN 7 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 433.457

RL 151.83 LAL -.00 LOL 255.58 VL 26.889 GAL .04 AZL 93.22 HCA 195.63 SMA 129.45 ECC .17286 INC 3.2235 V1 29.345
 RP 107.65 LAP .87 LOP 91.19 VP 37.954 GAP 2.26 AZP 86.90 TAL 179.82 TAP 15.45 RCA 107.07 APO 151.83 V2 35.204
 RC 103.470 GL -31.11 GP -2.11 ZAL 94.06 ZAP 121.20 ETS 359.68 ZAE 149.69 ETE 179.83 ZAC 115.13 ETC 15.69 CLP-121.22

PLANETOCENTRIC CONIC

C3 8.566 VHL 2.927 DLA -21.23 RAL 150.19 RAD 6567.3 VEL 11.400 PTH 1.97 VHP 3.184 DPA 12.55 RAP 152.50 ECC 1.1410
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 27 1300.77 8.11 348.70 1.01 117.22 7 49 8 700.8 11.69 341.85
 90.00 13 17 20 5407.11 28.04 248.09 5.27 85.85 14 47 27 4807.1 27.17 239.53
 100.00 8 34 21 1084.86 6.99 332.22 .41 119.14 8 52 26 484.9 10.82 325.53
 100.00 14 53 7 5098.25 29.30 225.24 5.13 83.79 16 18 5 4498.2 28.13 216.63
 110.00 9 12 10 966.35 4.29 321.58 358.74 123.95 9 28 16 366.3 8.72 315.29
 110.00 16 31 47 4789.53 32.42 201.22 4.57 78.53 17 51 37 4189.5 30.51 192.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9648 TRA -.0982 TC3-4.5584 BAU .5233 SGT 3275.6 SGR 197.0 SG3 1140.6 ST 1891.4 SR 34.7 SS 2316.3
 RDE -.0154 RRA .0257 RC3 -.3195 FAU .16820 RRT .8444 RRF .8589 RTF .9698 CRT .8596 CRS -.9086 CST -.9937
 FDE -4.2844 FRA 1.0548 FC-17.0005 BSP 9677 SGB 3281.5 R23 .0731 R13 .9699 LSA 2986.1 MSA 164.6 SSA 5.4
 BDE .9649 BRA .1015 BC3 4.5696 FSP -3439 SG1 3279.8 SG2 105.4 THA 2.91 EL1 1891.6 EL2 17.7 ALF .90

LAUNCH DATE JUN 7 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 439.685

RL 151.83 LAL -.00 LOL 255.58 VL 26.872 GAL .18 AZL 93.25 HCA 198.87 SMA 129.33 ECC .17393 INC 3.2543 V1 29.345
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.950 GAP 2.64 AZP 86.92 TAL 179.16 TAP 18.03 RCA 106.84 APO 151.83 V2 35.212
 RC 105.723 GL -31.20 GP -1.70 ZAL 92.76 ZAP 125.04 ETS 359.80 ZAE 147.06 ETE 179.58 ZAC 115.60 ETC 15.97 CLP-125.06

PLANETOCENTRIC CONIC

C3 8.674 VHL 2.945 DLA -21.84 RAL 151.43 RAD 6567.3 VEL 11.405 PTH 1.97 VHP 3.297 DPA 13.13 RAP 152.07 ECC 1.1428
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 3 1275.44 8.89 347.25 2.61 117.00 8 1 18 675.4 12.44 340.37
 90.00 13 14 36 5437.21 28.16 250.28 6.90 86.94 14 45 13 4837.2 27.44 241.69
 100.00 8 46 1 1062.55 7.73 330.98 1.99 118.97 9 3 43 462.6 11.53 324.26
 100.00 14 51 19 5125.33 29.48 227.23 6.79 84.83 16 16 45 4525.3 28.45 218.58
 110.00 9 22 11 949.16 4.94 320.67 .28 123.87 9 38 0 349.2 9.36 314.37
 110.00 16 31 38 4811.49 32.71 202.87 6.27 79.47 17 51 50 4211.5 30.91 194.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.0703 TRA -.0667 TC3-4.8844 BAU .5676 SGT 3554.3 SGR 194.0 SG3 1082.6 ST 2084.5 SR 18.7 SS 2291.0
 RDE -.0010 RRA .0283 RC3 -.3136 FAU .15946 RRT .7643 RRF .7729 RTF .9731 CRT .0930 CRS -.1889 CST -.9946
 FDE-4.1171 FRA 1.0639 FC-15.9158 BSP 10806 SGB 3559.6 R23 .0438 R13 .9732 LSA 3093.2 MSA 160.6 SSA 6.6
 BDE 1.0703 BRA .0725 BC3 4.8945 FSP -3421 SG1 3557.4 SG2 125.0 THA 2.39 EL1 2084.5 EL2 18.7 ALF .05

LAUNCH DATE JUN 7 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 445.895

RL 151.83 LAL -.00 LOL 255.58 VL 26.853 GAL .33 AZL 93.28 HCA 202.11 SMA 129.21 ECC .17515 INC 3.2765 V1 29.345
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.944 GAP 3.02 AZP 86.96 TAL 178.45 TAP 20.56 RCA 106.58 APO 151.84 V2 35.220
 RC 107.975 GL -31.18 GP -1.41 ZAL 91.37 ZAP 128.59 ETS 359.88 ZAE 144.68 ETE 179.54 ZAC 115.82 ETC 16.15 CLP-128.61

PLANETOCENTRIC CONIC

C3 8.786 VHL 2.964 DLA -22.40 RAL 152.80 RAD 6567.3 VEL 11.409 PTH 1.97 VHP 3.420 DPA 13.51 RAP 151.87 ECC 1.1446
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 52 55 1251.44 9.63 345.87 4.36 116.76 8 13 46 651.4 13.15 338.96
 90.00 13 12 43 5466.12 28.25 252.39 8.66 88.00 14 43 49 4866.1 27.67 243.77
 100.00 8 57 55 1041.63 8.41 329.80 3.71 118.79 9 15 17 441.6 12.19 323.05
 100.00 14 50 24 5151.16 29.63 229.14 8.58 85.82 16 16 15 4551.2 28.73 220.45
 110.00 9 32 28 933.31 5.55 319.84 1.96 123.78 9 48 1 333.3 9.95 313.51
 110.00 16 32 20 4832.24 32.96 204.44 8.10 80.37 17 52 53 4232.2 31.28 195.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1731 TRA -.0212 TC3-5.1473 BAU .6058 SGT 3802.1 SGR 199.0 SG3 1017.5 ST 2269.4 SR 30.3 SS 2262.8
 RDE .0114 RRA .0321 RC3 -.3138 FAU .14835 RRT .6806 RRF .6837 RTF .9743 CRT -.7200 CRS .6534 CST -.9952
 FDE-3.9432 FRA 1.1211 FC-14.6173 BSP 11681 SGB 3807.3 R23 .0268 R13 .9743 LSA 3201.0 MSA 158.3 SSA 7.7
 BDE 1.1732 BRA .0385 BC3 5.1569 FSP -3252 SG1 3804.5 SG2 145.7 THA 2.04 EL1 2269.6 EL2 21.0 ALF 179.45

LAUNCH DATE JUN 7 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 452.085

RL 151.83 LAL -.00 LOL 255.58 VL 26.833 GAL .49 AZL 93.29 HCA 205.35 SMA 129.07 ECC .17651 INC 3.2932 V1 29.345
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.936 GAP 3.40 AZP 87.02 TAL 177.70 TAP 23.05 RCA 106.29 APO 151.85 V2 35.227
 RC 110.226 GL -31.09 GP -1.19 ZAL 89.88 ZAP 131.89 ETS 359.94 ZAE 142.55 ETE 179.59 ZAC 115.81 ETC 16.26 CLP-131.90

PLANETOCENTRIC CONIC

C3 8.910 VHL 2.985 DLA -22.94 RAL 154.31 RAD 6567.3 VEL 11.415 PTH 1.98 VHP 3.551 DPA 13.73 RAP 151.89 ECC 1.1466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 16 1227.96 10.35 344.52 6.26 116.51 8 26 44 628.0 13.83 337.57
 90.00 13 11 23 5494.95 28.30 254.50 10.55 89.05 14 42 58 4895.0 27.87 245.86
 100.00 9 10 15 1021.42 9.07 328.67 5.58 118.60 9 27 16 421.4 12.82 321.89
 100.00 14 50 5 5176.73 29.74 231.03 10.49 86.81 16 16 21 4576.7 28.98 222.31
 110.00 9 43 8 918.31 6.11 319.05 3.78 123.70 9 58 27 318.3 10.50 312.70
 110.00 16 33 41 4852.60 33.18 205.99 10.07 81.26 17 54 33 4252.6 31.62 197.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2674 TRA .0320 TC3-5.3693 BAU .6407 SGT 4024.6 SGR 209.0 SG3 950.9 ST 2434.7 SR 49.6 SS 2213.7
 RDE .0228 RRA .0364 RC3 -.3179 FAU .13754 RRT .6028 RRF .6027 RTF .9751 CRT -.8722 CRS .8257 CST -.9956
 FDE-3.7375 FRA 1.1749 FC-13.3640 BSP 12386 SGB 4030.0 R23 .0174 R13 .9751 LSA 3287.3 MSA 155.8 SSA 8.8
 BDE 1.2676 BRA .0484 BC3 5.3787 FSP -3032 SG1 4026.6 SG2 166.7 THA 1.80 EL1 2435.0 EL2 24.3 ALF 178.98

LAUNCH DATE JUN 7 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 458.256

RL 151.83 LAL -.00 LOL 255.58 VL 26.811 GAL .67 AZL 93.31 HCA 208.59 SMA 128.92 ECC .17801 INC 3.3064 V1 29.345
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.927 GAP 3.78 AZP 87.10 TAL 176.91 TAP 25.50 RCA 105.97 APO 151.87 V2 35.233
 RC 112.475 GL -30.93 GP -1.03 ZAL 88.31 ZAP 134.93 ETS 359.98 ZAE 140.64 ETE 179.68 ZAC 115.58 ETC 16.30 CLP-134.94

PLANETOCENTRIC CONIC

C3 9.051 VHL 3.008 DLA -23.45 RAL 155.93 RAD 6567.3 VEL 11.421 PTH 1.98 VHP 3.690 DPA 13.82 RAP 152.14 ECC 1.1490
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 11 1204.63 11.05 343.17 8.30 116.24 8 40 16 604.6 14.49 336.18
 90.00 13 10 25 5524.29 28.32 256.64 12.58 90.13 14 42 29 4924.3 28.03 247.99
 100.00 9 23 5 1001.63 9.72 327.55 7.60 118.41 9 39 46 401.6 13.44 320.74
 100.00 14 50 12 5202.53 29.82 232.94 12.55 87.81 16 16 55 4602.5 29.20 224.19
 110.00 9 54 14 903.94 6.65 318.29 5.74 123.61 10 9 18 303.9 11.03 311.93
 110.00 16 35 32 4872.98 33.38 207.55 12.18 82.16 17 56 45 4273.0 31.94 198.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3592 TRA .0934 TC3-5.5471 BAU .6723 SGT 4228.3 SGR 221.7 SG3 886.2 ST 2591.2 SR 69.0 SS 2163.6
 RDE .0335 RRA .0410 RC3 -.3232 FAU .12680 RRT .5339 RRF .5307 RTF .9754 CRT -.9124 CRS .8740 CST -.9959
 FDE-3.5389 FRA 1.2295 FC-12.1289 BSP 13043 SGB 4234.1 R23 .0106 R13 .9754 LSA 3372.9 MSA 153.5 SSA 9.9
 BDE 1.3596 BRA .1020 BC3 5.5565 FSP -2824 SG1 4229.9 SG2 187.4 THA 1.61 EL1 2592.0 EL2 28.2 ALF 178.61

LAUNCH DATE JUN 7 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 464.407

RL 151.83 LAL -0.00 LOL 255.58 VL 26.788 GAL .86 AZL 93.32 HCA 211.83 SMA 128.77 ECC .17966 INC 3.3170 V1 29.345
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.916 GAP 4.15 AZP 87.18 TAL 176.07 TAP 27.91 RCA 105.63 APO 151.90 V2 35.239
 RC 114.720 GL -30.71 GP -.90 ZAL 86.65 ZAP 137.76 ETS 359.99 ZAE 138.93 ETE 179.80 ZAC 115.15 ETC 16.29 CLP-137.77

PLANETOCENTRIC CONIC

C3 9.212 VHL 3.035 DLA -23.95 RAL 157.67 RAD 6567.3 VEL 11.428 PTH 1.98 VHP 3.835 DPA 13.81 RAP 152.59 ECC 1.1516
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 34 45 1181.29 11.75 341.81 10.49 115.95 8 54 26 581.3 15.15 334.78
 90.00 13 9 42 5554.48 28.29 258.85 14.73 91.23 14 42 16 4954.5 28.16 250.19
 100.00 9 36 25 982.18 10.34 326.45 9.76 118.20 9 52 48 382.2 14.04 319.60
 100.00 14 50 42 5228.82 29.87 234.89 14.73 88.84 16 17 51 4628.8 29.39 226.12
 110.00 10 5 45 890.20 7.17 317.56 7.84 123.51 10 20 36 290.2 11.53 311.18
 110.00 16 37 51 4893.57 33.56 209.13 14.43 83.08 17 59 25 4293.6 32.24 200.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4489 TRA .1595 TC3-5.7012 BAU .7033 SGT 4423.5 SGR 236.0 SG3 827.2 ST 2738.9 SR 87.8 SS 2113.1
 RDE .0439 RRA .0458 RC3 -.3289 FAU .11732 RRT .4748 RRF .4695 RTF .9758 CRT -.9281 CRS .8939 CST -.9962
 FDE-3.3505 FRA 1.2687 FC-11.0257 BSP 13730 SGB 4429.7 R23 .0058 R13 .9758 LSA 3457.1 MSA 150.5 SSA 11.0
 BDE 1.4496 BRA .1659 BC3 5.7107 FSP -2657 SG1 4424.9 SG2 207.6 THA 1.45 EL1 2740.1 EL2 32.7 ALF 178.30

LAUNCH DATE JUN 7 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 470.539

RL 151.83 LAL -0.00 LOL 255.58 VL 26.764 GAL 1.06 AZL 93.33 HCA 215.08 SMA 128.61 ECC .18146 INC 3.3260 V1 29.345
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.903 GAP 4.52 AZP 87.28 TAL 175.20 TAP 30.28 RCA 105.27 APO 151.94 V2 35.244
 RC 116.961 GL -30.42 GP -.79 ZAL 84.92 ZAP 140.39 ETS 359.99 ZAE 137.40 ETE 179.91 ZAC 114.52 ETC 16.24 CLP-140.40

PLANETOCENTRIC CONIC

C3 9.399 VHL 3.066 DLA -24.44 RAL 159.51 RAD 6567.3 VEL 11.436 PTH 1.98 VHP 3.987 DPA 13.69 RAP 153.23 ECC 1.1547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 49 57 1157.82 12.45 340.44 12.83 115.64 9 9 15 557.8 15.80 333.36
 90.00 13 9 10 5585.76 28.23 261.14 17.02 92.38 14 42 16 4985.8 28.26 252.47
 100.00 9 50 17 963.03 10.96 325.36 12.07 117.99 10 6 20 363.0 14.62 318.48
 100.00 14 51 31 5255.78 29.89 236.90 17.06 89.90 16 19 7 4655.8 29.56 228.11
 110.00 10 17 41 877.10 7.66 316.87 10.08 123.42 10 32 18 277.1 12.01 310.46
 110.00 16 40 36 4914.48 33.72 210.74 16.82 84.02 18 2 31 4314.5 32.52 201.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5352 TRA .2363 TC3-5.8102 BAU .7313 SGT 4599.8 SGR 250.8 SG3 770.9 ST 2874.7 SR 106.2 SS 2058.5
 RDE .0542 RRA .0510 RC3 -.3331 FAU .10815 RRT .4226 RRF .4156 RTF .9757 CRT -.9346 CRS .9026 CST -.9963
 FDE-3.1665 FRA 1.3150 FC3-9.9616 BSP 14299 SGB 4606.7 R23 .0025 R13 .9758 LSA 3534.2 MSA 148.2 SSA 12.1
 BDE 1.5361 BRA .2417 BC3 5.8198 FSP -2474 SG1 4601.1 SG2 227.3 THA 1.32 EL1 2876.4 EL2 37.8 ALF 178.02

LAUNCH DATE JUN 7 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 476.650

RL 151.83 LAL -0.00 LOL 255.58 VL 26.739 GAL 1.28 AZL 93.33 HCA 218.32 SMA 128.44 ECC .18341 INC 3.3336 V1 29.345
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.889 GAP 4.89 AZP 87.38 TAL 174.29 TAP 32.62 RCA 104.88 APO 151.99 V2 35.248
 RC 119.197 GL -30.09 GP -.71 ZAL 83.11 ZAP 142.84 ETS 359.97 ZAE 136.03 ETE 180.02 ZAC 113.73 ETC 16.15 CLP-142.84

PLANETOCENTRIC CONIC

C3 9.615 VHL 3.101 DLA -24.91 RAL 161.44 RAD 6567.3 VEL 11.446 PTH 1.99 VHP 4.144 DPA 13.50 RAP 154.03 ECC 1.1582
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 5 48 1134.25 13.14 339.05 15.32 115.31 9 24 42 534.2 16.44 331.93
 90.00 13 8 47 5618.25 28.11 263.51 19.43 93.56 14 42 25 5018.2 28.31 254.85
 100.00 10 4 38 944.31 11.55 324.29 14.51 117.76 10 20 22 344.3 15.18 317.37
 100.00 14 52 38 5283.42 29.88 238.95 19.51 90.98 16 20 41 4683.4 29.69 230.15
 110.00 10 29 59 864.78 8.12 316.21 12.46 123.32 10 44 24 264.8 12.45 309.79
 110.00 16 43 46 4935.72 33.86 212.38 19.34 84.98 18 6 2 4335.7 32.79 203.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6209 TRA .3198 TC3-5.8854 BAU .7578 SGT 4766.2 SGR 265.8 SG3 719.4 ST 3003.4 SR 124.4 SS 2007.0
 RDE .0646 RRA .0562 RC3 -.3355 FAU .09976 RRT .3760 RRF .3672 RTF .9758 CRT -.9374 CRS .9067 CST -.9965
 FDE-2.9987 FRA 1.3526 FC3-8.9822 BSP 14861 SGB 4773.6 R23 -.0007 R13 .9758 LSA 3611.4 MSA 145.6 SSA 13.1
 BDE 1.6222 BRA .3246 BC3 5.8949 FSP -2316 SG1 4767.2 SG2 246.2 THA 1.20 EL1 3005.7 EL2 43.3 ALF 177.78

LAUNCH DATE JUN 7 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 482.741

RL 151.83 LAL -0.00 LOL 255.58 VL 26.712 GAL 1.51 AZL 93.34 HCA 221.57 SMA 128.26 ECC .18551 INC 3.3401 V1 29.345
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.874 GAP 5.27 AZP 87.50 TAL 173.35 TAP 34.92 RCA 104.47 APO 152.06 V2 35.252
 RC 121.426 GL -29.69 GP -.64 ZAL 81.24 ZAP 145.12 ETS 359.93 ZAE 134.80 ETE 180.13 ZAC 112.78 ETC 16.02 CLP-145.13

PLANETOCENTRIC CONIC

C3 9.865 VHL 3.141 DLA -25.37 RAL 163.47 RAD 6567.4 VEL 11.457 PTH 1.99 VHP 4.307 DPA 13.24 RAP 154.98 ECC 1.1624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 22 16 1110.61 13.82 337.65 17.95 114.96 9 40 46 510.6 17.07 330.48
 90.00 13 8 30 5652.04 27.94 265.97 21.95 94.78 14 42 42 5052.0 28.31 257.32
 100.00 10 19 24 926.14 12.13 323.24 17.09 117.53 10 34 50 326.1 15.72 316.30
 100.00 14 54 3 5311.74 29.83 241.06 22.08 92.08 16 22 34 4711.7 29.80 232.25
 110.00 10 42 35 853.38 8.55 315.60 14.96 123.22 10 56 48 253.4 12.86 309.16
 110.00 16 47 21 4957.26 33.97 214.05 22.00 85.97 18 9 58 4357.3 33.04 204.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7019 TRA .4148 TC3-5.9121 BAU .7810 SGT 4912.4 SGR 280.6 SG3 670.3 ST 3116.7 SR 142.6 SS 1949.9
 RDE .0754 RRA .0615 RC3 -.3354 FAU .09168 RRT .3335 RRF .3232 RTF .9755 CRT -.9379 CRS .9079 CST -.9967
 FDE-2.8335 FRA 1.3940 FC3-8.0453 BSP 15320 SGB 4920.5 R23 -.0032 R13 .9755 LSA 3676.3 MSA 143.7 SSA 14.1
 BDE 1.7035 BRA .4194 BC3 5.9216 FSP -2157 SG1 4913.3 SG2 264.5 THA 1.09 EL1 3119.5 EL2 49.4 ALF 177.54

LAUNCH DATE JUN 7 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 488.811

RL 151.83 LAL -0.00 LOL 255.58 VL 26.685 GAL 1.75 AZL 93.35 HCA 224.82 SMA 128.08 ECC .18778 INC 3.3459 V1 29.345
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.858 GAP 5.64 AZP 87.63 TAL 172.38 TAP 37.20 RCA 104.03 APO 152.14 V2 35.255
 RC 123.648 GL -29.24 GP -.58 ZAL 79.30 ZAP 147.27 ETS 359.88 ZAE 133.70 ETE 180.23 ZAC 111.70 ETC 15.88 CLP-147.27

PLANETOCENTRIC CONIC

C3 10.154 VHL 3.187 DLA -25.80 RAL 165.58 RAD 6567.4 VEL 11.469 PTH 1.99 VHP 4.475 DPA 12.91 RAP 156.07 ECC 1.1671
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 39 18 1087.00 14.49 336.25 20.72 114.59 9 57 25 487.0 17.69 329.03
 90.00 13 8 17 5687.14 27.72 268.51 24.59 96.04 14 43 4 5087.1 28.27 259.89
 100.00 10 34 30 908.74 12.67 322.24 19.81 117.30 10 49 39 308.7 16.23 315.26
 100.00 14 55 46 5340.63 29.74 243.20 24.78 93.21 16 24 46 4740.6 29.86 234.40
 110.00 10 55 25 843.12 8.93 315.05 17.59 123.13 11 9 28 243.1 13.23 308.60
 110.00 16 51 20 4979.02 34.06 215.75 24.78 86.96 18 14 19 4379.0 33.27 206.60

DIFFERENTIAL CORRECTIONS

TDE-1.7839 TRA .5155 TC3-5.9160 BAU .8044
 RDE .0865 RRA .0668 RC3 -.3331 FAU .08457
 FDE-2.6850 FRA 1.4260 FC3-7.2104 BSP 15805
 BDE 1.7860 BRA .5198 BC3 5.9254 FSP -2021

MID-COURSE EXECUTION ACCURACY

SGT 5056.0 SGR 294.9 SG3 626.2
 RRT .2943 RRF .2828 RTF .9753
 SGB 5054.6 R23 -.0054 R13 .9753
 SG1 5056.8 SG2 281.8 THA .99

ORBIT DETERMINATION ACCURACY

ST 3224.4 SR 160.6 SS 1896.6
 CRT -.9374 CRS .9080 CST -.9968
 LSA 3741.6 MSA 141.7 SSA 15.0
 EL1 3227.9 EL2 55.9 ALF 177.33

LAUNCH DATE JUN 7 1967

FLIGHT TIME 176.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 494.859

RL 151.83 LAL -0.00 LOL 255.58 VL 26.657 GAL 2.01 AZL 93.35 HCA 228.07 SMA 127.90 ECC .19022 INC 3.3510 V1 29.345
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.840 GAP 6.02 AZP 87.76 TAL 171.38 TAP 39.44 RCA 103.57 APO 152.23 V2 35.257
 RC 125.861 GL -28.74 GP -.52 ZAL 77.32 ZAP 149.28 ETS 359.82 ZAE 132.72 ETE 180.32 ZAC 110.49 ETC 15.71 CLP-149.28

PLANETOCENTRIC CONIC

C3 10.486 VHL 3.238 DLA -26.21 RAL 167.76 RAD 6567.4 VEL 11.484 PTH 2.00 VHP 4.649 DPA 12.52 RAP 157.27 ECC 1.1726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 53 1063.53 15.15 334.84 23.62 114.21 10 14 36 463.5 18.30 327.57
 90.00 13 8 7 5723.58 27.43 271.14 27.33 97.33 14 43 31 5123.6 28.16 262.55
 100.00 10 49 53 892.36 13.18 321.29 22.64 117.07 11 4 45 292.4 16.71 314.27
 100.00 14 57 48 5369.98 29.60 245.37 27.58 94.34 16 27 18 4770.0 29.89 236.58
 110.00 11 8 25 834.19 9.26 314.58 20.33 123.05 11 22 19 234.2 13.55 308.10
 110.00 16 55 46 5000.92 34.13 217.45 27.69 87.97 18 19 6 4400.9 33.47 208.27

DIFFERENTIAL CORRECTIONS

TDE-1.8646 TRA .6258 TC3-5.8844 BAU .8262
 RDE .0980 RRA .0719 RC3 -.3281 FAU .07799
 FDE-2.5459 FRA 1.4569 FC3-6.4389 BSP 16261
 BDE 1.8672 BRA .6299 BC3 5.8936 FSP -1897

MID-COURSE EXECUTION ACCURACY

SGT 5189.5 SGR 308.8 SG3 585.6
 RRT .2575 RRF .2449 RTF .9752
 SGB 5198.7 R23 -.0074 R13 .9752
 SG1 5190.2 SG2 298.3 THA .88

ORBIT DETERMINATION ACCURACY

ST 3321.8 SR 178.7 SS 1842.8
 CRT -.9362 CRS .9072 CST -.9970
 LSA 3800.3 MSA 140.3 SSA 15.8
 EL1 3326.0 EL2 62.7 ALF 177.12

LAUNCH DATE JUN 7 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 500.884

RL 151.83 LAL -0.00 LOL 255.58 VL 26.628 GAL 2.29 AZL 93.36 HCA 231.31 SMA 127.71 ECC .19284 INC 3.3557 V1 29.345
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.821 GAP 6.39 AZP 87.90 TAL 170.35 TAP 41.66 RCA 103.08 APO 152.34 V2 35.258
 RC 128.066 GL -28.19 GP -.48 ZAL 75.29 ZAP 151.17 ETS 359.75 ZAE 131.84 ETE 180.40 ZAC 109.17 ETC 15.54 CLP-151.17

PLANETOCENTRIC CONIC

C3 10.868 VHL 3.297 DLA -26.60 RAL 170.01 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 4.827 DPA 12.07 RAP 158.58 ECC 1.1789
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 14 56 1040.30 15.80 333.44 26.65 113.81 10 32 16 440.3 18.88 326.12
 90.00 13 8 0 5761.35 27.07 273.84 30.16 98.64 14 44 1 5161.4 27.99 265.30
 100.00 11 5 25 877.27 13.65 320.41 25.59 116.85 11 20 2 277.3 17.14 313.36
 100.00 15 0 12 5399.61 29.43 247.56 30.49 95.48 16 30 12 4799.6 29.88 238.78
 110.00 11 21 29 826.81 9.54 314.18 23.18 122.98 11 35 16 226.8 13.82 307.69
 110.00 17 0 37 5022.83 34.17 219.16 30.71 88.98 18 24 20 4422.8 33.65 209.96

DIFFERENTIAL CORRECTIONS

TDE-1.9443 TRA .7451 TC3-5.8196 BAU .8468
 RDE .1102 RRA .0769 RC3 -.3205 FAU .07192
 FDE-2.4166 FRA 1.4854 FC3-5.7292 BSP 16696
 BDE 1.9474 BRA .7491 BC3 5.8284 FSP -1784

MID-COURSE EXECUTION ACCURACY

SGT 5314.1 SGR 322.0 SG3 548.1
 RRT .2223 RRF .2085 RTF .9750
 SGB 5323.8 R23 -.0093 R13 .9750
 SG1 5314.5 SG2 313.9 THA .77

ORBIT DETERMINATION ACCURACY

ST 3409.0 SR 196.8 SS 1789.3
 CRT -.9345 CRS .9058 CST -.9971
 LSA 3852.5 MSA 139.5 SSA 16.4
 EL1 3413.9 EL2 70.0 ALF 176.91

LAUNCH DATE JUN 7 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 506.885

RL 151.83 LAL -0.00 LOL 255.58 VL 26.599 GAL 2.57 AZL 93.36 HCA 234.56 SMA 127.52 ECC .19565 INC 3.3599 V1 29.345
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.801 GAP 6.78 AZP 88.05 TAL 169.30 TAP 43.86 RCA 102.57 APO 152.47 V2 35.259
 RC 130.261 GL -27.59 GP -.44 ZAL 73.22 ZAP 152.96 ETS 359.67 ZAE 131.05 ETE 180.46 ZAC 107.75 ETC 15.35 CLP-152.96

PLANETOCENTRIC CONIC

C3 11.305 VHL 3.362 DLA -26.95 RAL 172.31 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 5.011 DPA 11.58 RAP 159.98 ECC 1.1861
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 33 24 1017.45 16.42 332.05 29.79 113.40 10 50 22 417.4 19.45 324.68
 90.00 13 7 53 5800.44 26.64 276.62 33.08 99.97 14 44 34 5200.4 27.75 268.13
 100.00 11 20 58 863.82 14.06 319.63 28.65 116.65 11 35 22 263.8 17.53 312.55
 100.00 15 3 1 5429.30 29.22 249.74 33.50 96.61 16 33 30 4829.3 29.83 240.99
 110.00 11 34 31 821.23 9.74 313.88 26.13 122.93 11 48 13 221.2 14.01 307.38
 110.00 17 5 57 5044.65 34.18 220.87 33.84 89.99 18 30 1 4444.6 33.80 211.64

DIFFERENTIAL CORRECTIONS

TDE-2.0223 TRA .8742 TC3-5.7211 BAU .8659
 RDE .1230 RRA .0817 RC3 -.3104 FAU .06626
 FDE-2.2943 FRA 1.5124 FC3-5.0742 BSP 17086
 BDE 2.0260 BRA .8780 BC3 5.7295 FSP -1675

MID-COURSE EXECUTION ACCURACY

SGT 5428.5 SGR 334.5 SG3 513.2
 RRT .1883 RRF .1734 RTF .9747
 SGB 5438.8 R23 -.0110 R13 .9747
 SG1 5428.9 SG2 328.5 THA .67

ORBIT DETERMINATION ACCURACY

ST 3484.3 SR 214.8 SS 1734.6
 CRT -.9324 CRS .9041 CST -.9972
 LSA 3895.6 MSA 139.4 SSA 17.0
 EL1 3490.0 EL2 77.5 ALF 176.71

LAUNCH DATE JUN 7 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 512.862

RL 151.83 LAL -.00 LOL 255.58 VL 26.569 GAL 2.88 AZL 93.36 MCA 237.81 SMA 127.32 ECC .19866 INC 3.3638 V1 29.345
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.780 GAP 7.16 AZP 88.21 TAL 168.22 TAP 46.03 RCA 102.03 APO 152.62 V2 35.259
 RC 132.447 GL -26.95 GP -.41 ZAL 71.13 ZAP 154.66 ETS 359.58 ZAE 130.33 ETE 180.52 ZAC 106.24 ETC 15.16 CLP-154.66

PLANETOCENTRIC CONIC

C3 11.805 VHL 3.436 DLA -27.26 RAL 174.66 RAD 6567.4 VEL 11.541 PTH 2.01 VHP 5.201 DPA 11.04 RAP 161.47 ECC 1.1943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 52 14 995.08 17.02 330.68 33.05 112.98 11 8 49 395.1 19.99 323.26
 90.00 13 7 47 5840.83 26.13 279.47 36.07 101.31 14 45 7 5240.8 27.43 271.05
 100.00 11 36 24 852.36 14.41 318.95 31.80 116.48 11 50 36 252.4 17.85 311.85
 100.00 15 6 17 5458.78 28.97 251.90 36.60 97.72 16 37 16 4858.8 29.73 243.17
 110.00 11 47 27 817.68 9.88 313.69 29.16 122.89 12 1 4 217.7 14.14 307.18
 110.00 17 11 44 5066.23 34.17 222.55 37.07 90.99 18 36 10 4466.2 33.93 213.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0965 TRA 1.0160 TC3-5.5833 BAU .8824 SGT 5529.4 SGR 346.3 SG3 480.5 ST 3544.4 SR 232.9 SS 1677.3
 RDE .1366 RRA .0862 RC3 -.2980 FAU .06084 RRT .1554 RRF .1396 RTF .9743 CRT -.9299 CRS .9016 CST -.9973
 FDE-2.1763 FRA 1.5414 FC3-4.4620 BSP 17393 SGB 5540.3 R23 -.0125 R13 .9743 LSA 3925.6 MSA 140.4 SSA 17.4
 BDE 2.1009 BRA 1.0196 BC3 5.5912 FSP -1569 SG1 5529.7 SG2 342.1 THA .56 EL1 3551.0 EL2 85.5 ALF 176.50

LAUNCH DATE JUN 7 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 518.813

RL 151.83 LAL -.00 LOL 255.58 VL 26.539 GAL 3.20 AZL 93.37 MCA 241.06 SMA 127.13 ECC .20188 INC 3.3675 V1 29.345
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.758 GAP 7.55 AZP 88.37 TAL 167.13 TAP 48.19 RCA 101.46 APO 152.79 V2 35.258
 RC 134.624 GL -26.26 GP -.38 ZAL 69.03 ZAP 156.27 ETS 359.48 ZAE 129.69 ETE 180.57 ZAC 104.65 ETC 14.97 CLP-156.27

PLANETOCENTRIC CONIC

C3 12.375 VHL 3.518 DLA -27.54 RAL 177.04 RAD 6567.5 VEL 11.566 PTH 2.02 VHP 5.397 DPA 10.45 RAP 163.02 ECC 1.2037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 11 19 973.36 17.59 329.34 36.41 112.55 11 27 32 373.4 20.50 321.87
 90.00 13 7 39 5882.46 25.55 282.38 39.12 102.65 14 45 42 5282.5 27.03 274.03
 100.00 11 51 33 843.33 14.68 318.42 35.03 116.33 12 5 36 243.3 18.10 311.30
 100.00 15 10 6 5487.72 28.68 254.00 39.78 98.79 16 41 34 4887.7 29.60 245.32
 110.00 12 0 8 816.37 9.92 313.62 32.26 122.88 12 13 44 216.4 14.19 307.11
 110.00 17 18 0 5087.45 34.13 224.21 40.39 91.97 18 42 48 4487.4 34.03 214.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1723 TRA 1.1650 TC3-5.4285 BAU .8993 SGT 5628.9 SGR 357.3 SG3 451.0 ST 3597.7 SR 250.8 SS 1623.4
 RDE .1509 RRA .0902 RC3 -.2836 FAU .05605 RRT .1229 RRF .1063 RTF .9740 CRT -.9275 CRS .8994 CST -.9975
 FDE-2.0701 FRA 1.5652 FC3-3.9212 BSP 17748 SGB 5640.2 R23 -.0140 R13 .9740 LSA 3952.3 MSA 141.8 SSA 17.6
 BDE 2.1775 BRA 1.1685 BC3 5.4359 FSP -1478 SG1 5629.1 SG2 354.6 THA .45 EL1 3605.2 EL2 93.5 ALF 176.30

LAUNCH DATE JUN 7 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 524.735

RL 151.83 LAL -.00 LOL 255.58 VL 26.508 GAL 3.55 AZL 93.37 MCA 244.30 SMA 126.93 ECC .20533 INC 3.3709 V1 29.345
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.734 GAP 7.95 AZP 88.54 TAL 166.01 TAP 50.32 RCA 100.87 APO 152.99 V2 35.256
 RC 136.791 GL -25.54 GP -.36 ZAL 66.92 ZAP 157.81 ETS 359.38 ZAE 129.11 ETE 180.62 ZAC 102.99 ETC 14.78 CLP-157.81

PLANETOCENTRIC CONIC

C3 13.024 VHL 3.609 DLA -27.78 RAL 179.43 RAD 6567.5 VEL 11.594 PTH 2.03 VHP 5.600 DPA 9.83 RAP 164.64 ECC 1.2143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 30 37 952.37 18.14 328.04 39.85 112.13 11 46 29 352.4 20.98 320.52
 90.00 13 7 29 637.29 24.87 307.43 42.21 103.99 13 18 6 37.3 26.55 299.17
 100.00 12 6 15 837.17 14.87 318.06 38.33 116.23 12 20 12 237.2 18.28 310.92
 100.00 15 14 32 5515.77 28.38 256.03 43.04 99.82 16 46 28 4915.8 29.44 247.39
 110.00 12 12 30 817.51 9.88 313.68 35.43 122.89 12 26 8 217.5 14.15 307.17
 110.00 17 24 46 5108.19 34.07 225.83 43.78 92.92 18 49 54 4508.2 34.10 216.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2466 TRA 1.3248 TC3-5.2482 BAU .9150 SGT 5720.3 SGR 367.5 SG3 423.5 ST 3639.1 SR 268.5 SS 1569.5
 RDE .1660 RRA .0937 RC3 -.2675 FAU .05159 RRT .0908 RRF .0734 RTF .9738 CRT -.9249 CRS .8970 CST -.9976
 FDE-1.9705 FRA 1.5876 FC3-3.4295 BSP 18083 SGB 5732.1 R23 -.0155 R13 .9738 LSA 3969.6 MSA 143.9 SSA 17.8
 BDE 2.2527 BRA 1.3281 BC3 5.2551 FSP -1396 SG1 5720.4 SG2 365.9 THA .34 EL1 3647.6 EL2 101.8 ALF 176.09

LAUNCH DATE JUN 7 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 530.628

RL 151.83 LAL -.00 LOL 255.58 VL 26.476 GAL 3.91 AZL 93.37 MCA 247.55 SMA 126.73 ECC .20902 INC 3.3742 V1 29.345
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.710 GAP 8.36 AZP 88.71 TAL 164.88 TAP 52.44 RCA 100.24 APO 153.21 V2 35.254
 RC 138.949 GL -24.78 GP -.34 ZAL 64.80 ZAP 159.28 ETS 359.26 ZAE 128.59 ETE 180.65 ZAC 101.27 ETC 14.59 CLP-159.28

PLANETOCENTRIC CONIC

C3 13.761 VHL 3.710 DLA -27.98 RAL 181.84 RAD 6567.5 VEL 11.625 PTH 2.04 VHP 5.809 DPA 9.17 RAP 166.31 ECC 1.2265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 50 4 932.15 18.65 326.78 43.39 111.70 12 5 36 332.2 21.43 319.21
 90.00 13 7 14 681.45 24.11 310.44 45.35 105.31 13 18 36 81.5 25.98 302.27
 100.00 12 20 19 834.32 14.95 317.89 41.67 116.19 12 34 13 234.3 18.35 310.75
 100.00 15 19 40 5542.56 28.05 257.95 46.36 100.78 16 52 3 4942.6 29.25 249.35
 110.00 12 24 28 821.29 9.74 313.88 38.65 122.93 12 38 9 221.3 14.01 307.38
 110.00 17 32 0 5128.36 33.99 227.40 47.25 93.85 18 57 29 4528.4 34.15 218.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3194 TRA 1.4962 TC3-5.0443 BAU .9292 SGT 5803.9 SGR 376.8 SG3 398.1 ST 3669.0 SR 285.8 SS 1515.7
 RDE .1821 RRA .0966 RC3 -.2501 FAU .04741 RRT .0590 RRF .0410 RTF .9735 CRT -.9222 CRS .8944 CST -.9977
 FDE-1.8767 FRA 1.6105 FC3-2.9823 BSP 18384 SGB 5816.2 R23 -.0167 R13 .9735 LSA 3977.3 MSA 147.0 SSA 17.7
 BDE 2.3265 BRA 1.4993 BC3 5.0505 FSP -1318 SG1 5804.0 SG2 376.2 THA .22 EL1 3678.4 EL2 110.2 ALF 175.89

LAUNCH DATE JUN 7 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 536.489

RL 151.83 LAL -0.00 LOL 255.58 VL 26.445 GAL 4.29 AZL 93.38 HCA 250.80 SMA 126.52 ECC .21297 INC 3.3772 V1 29.345
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.685 GAP 8.78 AZP 88.89 TAL 163.74 TAP 54.54 RCA 99.58 APO 153.47 V2 35.251
 RC 141.095 GL -23.99 GP -.32 ZAL 62.70 ZAP 160.69 ETS 359.14 ZAE 128.12 ETE 180.68 ZAC 99.48 ETC 14.41 CLP-160.69

PLANETOCENTRIC CONIC

C3 14.599 VHL 3.821 DLA -28.13 RAL 184.25 RAD 6567.6 VEL 11.661 PTH 2.05 VHP 6.026 DPA 8.48 RAP 168.03 ECC 1.2403
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 9 39 912.61 19.14 325.55 46.99 111.28 12 24 52 312.6 21.86 317.94
 90.00 13 6 50 727.07 23.26 313.51 48.51 106.62 13 18 57 127.1 25.32 305.45
 100.00 12 33 34 835.25 14.93 317.95 45.05 116.20 12 47 29 235.3 18.33 310.81
 100.00 15 25 36 5567.70 27.72 259.75 49.75 101.67 16 58 24 4967.7 29.04 251.19
 110.00 12 35 56 827.83 9.50 314.23 41.90 122.99 12 49 44 227.8 13.78 307.75
 110.00 17 39 44 5147.89 33.89 228.91 50.79 94.74 19 5 32 4547.9 34.18 219.68

DIFFERENTIAL CORRECTIONS

TDE-2.3880 TRA 1.6819 TC3-4.8141 BAU .9407
 RDE .1990 RRA .0987 RC3 -.2316 FAU .04339
 FDE-1.7857 FRA 1.6351 FC3-2.5730 BSP 18596
 BDE 2.3963 BRA 1.6848 BC3 4.8197 FSP -1239

MID-COURSE EXECUTION ACCURACY

SGT 5876.7 SGR 385.4 SG3 374.3
 RRT .0278 RRF .0096 RTF .9731
 SGB 5889.3 R23 -.0176 R13 .9731
 SG1 5876.7 SG2 385.2 THA .11

ORBIT DETERMINATION ACCURACY

ST 3683.9 SR 302.6 SS 1460.6
 CRT -.9190 CRS .8912 CST -.9977
 LSA 3971.5 MSA 151.0 SSA 17.6
 EL1 3694.4 EL2 118.9 ALF 175.68

LAUNCH DATE JUN 7 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 542.316

RL 151.83 LAL -0.00 LOL 255.58 VL 26.413 GAL 4.69 AZL 93.38 HCA 254.05 SMA 126.32 ECC .21721 INC 3.3802 V1 29.345
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.659 GAP 9.20 AZP 89.07 TAL 162.58 TAP 56.62 RCA 98.88 APO 153.76 V2 35.247
 RC 143.232 GL -23.18 GP -.30 ZAL 60.62 ZAP 162.04 ETS 359.00 ZAE 127.68 ETE 180.69 ZAC 97.65 ETC 14.24 CLP-162.05

PLANETOCENTRIC CONIC

C3 15.550 VHL 3.943 DLA -28.24 RAL 186.64 RAD 6567.6 VEL 11.702 PTH 2.06 VHP 6.252 DPA 7.75 RAP 169.80 ECC 1.2559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 29 31 893.20 19.61 324.33 50.66 110.84 12 44 24 293.2 22.27 316.67
 90.00 13 6 3 774.73 22.29 316.68 51.67 107.93 13 18 57 174.7 24.54 308.72
 100.00 12 45 50 840.36 14.77 318.25 48.45 116.29 12 59 51 240.4 18.19 311.12
 100.00 15 32 24 5590.85 27.39 261.39 53.19 102.47 17 5 35 4990.8 28.83 252.88
 110.00 12 46 50 837.24 9.15 314.74 45.18 123.08 13 0 47 237.2 13.44 308.27
 110.00 17 47 54 5166.73 33.78 230.37 54.37 95.60 19 14 1 4566.7 34.18 221.15

DIFFERENTIAL CORRECTIONS

TDE-2.4586 TRA 1.8761 TC3-4.5773 BAU .9526
 RDE .2167 RRA .1001 RC3 -.2126 FAU .03979
 FDE-1.7037 FRA 1.6559 FC3-2.2150 BSP 18869
 BDE 2.4682 BRA 1.8787 BC3 4.5822 FSP -1173

MID-COURSE EXECUTION ACCURACY

SGT 5947.0 SGR 393.1 SG3 352.4
 RRT -.0038 RRF -.0223 RTF .9729
 SGB 5960.0 R23 .0186 R13 -.9729
 SG1 5947.0 SG2 393.1 THA 179.99

ORBIT DETERMINATION ACCURACY

ST 3692.6 SR 318.8 SS 1408.8
 CRT -.9161 CRS .8884 CST -.9978
 LSA 3961.9 MSA 155.3 SSA 17.4
 EL1 3704.1 EL2 127.5 ALF 175.47

LAUNCH DATE JUN 7 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 548.105

RL 151.83 LAL -0.00 LOL 255.58 VL 26.381 GAL 5.11 AZL 93.38 HCA 257.29 SMA 126.12 ECC .22175 INC 3.3831 V1 29.345
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.632 GAP 9.64 AZP 89.26 TAL 161.41 TAP 58.70 RCA 98.15 APO 154.08 V2 35.243
 RC 145.356 GL -22.35 GP -.28 ZAL 58.56 ZAP 163.35 ETS 358.86 ZAE 127.29 ETE 180.71 ZAC 95.77 ETC 14.08 CLP-163.36

PLANETOCENTRIC CONIC

C3 16.628 VHL 4.078 DLA -28.31 RAL 189.00 RAD 6567.7 VEL 11.748 PTH 2.07 VHP 6.487 DPA 7.00 RAP 171.60 ECC 1.2737
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 51 7 868.99 20.19 322.79 54.44 110.29 13 5 36 269.0 22.77 315.07
 90.00 13 3 20 829.44 21.10 320.25 54.79 109.33 13 17 9 229.4 23.55 312.43
 100.00 12 57 0 849.94 14.48 318.81 51.85 116.44 13 11 10 249.9 17.92 311.70
 100.00 15 40 8 5611.77 27.07 262.86 56.69 103.19 17 13 40 5011.8 28.62 254.40
 110.00 12 57 7 849.58 8.69 315.40 48.47 123.19 13 11 17 249.6 13.00 308.95
 110.00 17 56 30 5184.89 33.65 231.77 58.01 96.42 19 22 55 4584.9 34.17 222.57

DIFFERENTIAL CORRECTIONS

TDE-2.5279 TRA 2.0833 TC3-4.3276 BAU .9630
 RDE .2354 RRA .1006 RC3 -.1933 FAU .03640
 FDE-1.6266 FRA 1.6774 FC3-1.8954 BSP 19118
 BDE 2.5388 BRA 2.0857 BC3 4.3319 FSP -1111

MID-COURSE EXECUTION ACCURACY

SGT 6010.6 SGR 400.0 SG3 332.2
 RRT -.0353 RRF -.0538 RTF .9726
 SGB 6023.9 R23 .0193 R13 -.9726
 SG1 6010.6 SG2 399.7 THA 179.86

ORBIT DETERMINATION ACCURACY

ST 3690.8 SR 334.3 SS 1358.1
 CRT -.9129 CRS .8853 CST -.9979
 LSA 3943.7 MSA 160.2 SSA 17.1
 EL1 3703.4 EL2 136.0 ALF 175.27

LAUNCH DATE JUN 7 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 553.853

RL 151.83 LAL -0.00 LOL 255.58 VL 26.348 GAL 5.56 AZL 93.39 HCA 260.53 SMA 125.91 ECC .22663 INC 3.3859 V1 29.345
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.604 GAP 10.10 AZP 89.44 TAL 160.23 TAP 60.77 RCA 97.38 APO 154.45 V2 35.237
 RC 147.469 GL -21.51 GP -.27 ZAL 56.53 ZAP 164.62 ETS 358.71 ZAE 126.92 ETE 180.71 ZAC 93.85 ETC 13.94 CLP-164.63

PLANETOCENTRIC CONIC

C3 17.850 VHL 4.225 DLA -28.33 RAL 191.34 RAD 6567.7 VEL 11.800 PTH 2.09 VHP 6.733 DPA 6.23 RAP 173.43 ECC 1.2938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 88.97 12 57 47 893.96 20.28 324.65 58.07 110.23 13 12 41 294.0 22.85 316.92
 91.03 13 15 17 837.24 20.29 320.50 58.08 110.21 13 29 14 237.2 22.86 312.77
 100.00 13 6 59 864.14 14.05 319.65 55.25 116.66 13 21 23 264.1 17.52 312.57
 100.00 15 48 47 5630.33 26.78 264.16 60.24 103.81 17 22 37 5030.3 28.41 255.74
 110.00 13 6 45 864.86 8.12 316.22 51.76 123.32 13 21 10 264.9 12.45 309.79
 110.00 18 5 30 5202.38 33.51 233.12 61.68 97.20 19 32 12 4602.4 34.14 223.93

DIFFERENTIAL CORRECTIONS

TDE-2.5959 TRA 2.3040 TC3-4.0684 BAU .9718
 RDE .2549 RRA .1000 RC3 -.1741 FAU .03322
 FDE-1.5543 FRA 1.6989 FC3-1.6113 BSP 19339
 BDE 2.6084 BRA 2.3062 BC3 4.0721 FSP -1052

MID-COURSE EXECUTION ACCURACY

SGT 6067.3 SGR 406.1 SG3 313.3
 RRT -.0668 RRF -.0851 RTF .9724
 SGB 6080.9 R23 .0199 R13 -.9724
 SG1 6067.4 SG2 405.1 THA 179.74

ORBIT DETERMINATION ACCURACY

ST 3679.4 SR 348.8 SS 1308.7
 CRT -.9096 CRS .8821 CST -.9980
 LSA 3917.2 MSA 165.4 SSA 16.8
 EL1 3693.1 EL2 144.4 ALF 175.06

LAUNCH DATE JUN 7 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 559.557

RL 151.83 LAL -0.00 LOL 255.58 VL 26.316 GAL 6.04 AZL 93.39 HCA 263.78 SMA 125.71 ECC .23186 INC 3.3886 V1 29.345
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.576 GAP 10.57 AZP 89.63 TAL 159.05 TAP 62.83 RCA 96.56 APO 154.85 V2 35.231
 RC 149.570 GL -20.65 GP -.26 ZAL 54.54 ZAP 165.85 ETS 358.56 ZAE 126.58 ETE 180.71 ZAC 91.90 ETC 13.80 CLP-165.86

PLANETOCENTRIC CONIC

C3 19.236 VHL 4.386 DLA -28.32 RAL 193.63 RAD 6567.8 VEL 11.858 PTH 2.10 VHP 6.990 DPA 5.43 RAP 175.28 ECC 1.3166
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 89.64 13 12 34 893.25 19.85 324.43 61.55 110.62 13 27 27 293.3 22.48 316.74
 90.36 13 18 48 873.04 19.86 322.95 61.56 110.61 13 33 21 273.0 22.49 315.27
 100.00 13 15 44 882.96 13.47 320.74 58.62 116.94 13 30 27 283.0 16.98 313.71
 100.00 15 58 19 5646.59 26.51 265.30 63.83 104.35 17 32 25 5046.6 28.22 256.91
 110.00 13 15 42 883.05 7.44 317.18 55.05 123.46 13 30 25 283.1 11.79 310.79
 110.00 18 14 50 5219.27 33.35 234.42 65.39 97.96 19 41 49 4619.3 34.09 225.25

DIFFERENTIAL CORRECTIONS

TDE-2.6599 TRA 2.5415 TC3-3.7961 BAU .9771
 RDE .2753 RRA .0983 RC3 -.1553 FAU .03012
 FDE-1.4840 FRA 1.7230 FC3-1.3554 BSP 19462
 BDE 2.6741 BRA 2.5434 BC3 3.7993 FSP -991

MID-COURSE EXECUTION ACCURACY

SGT 6114.4 SGR 411.3 SG3 295.6
 RRT -.0978 RRF -.1154 RTF .9721
 SGB 6128.3 R23 .0200 R13 -.9721
 SG1 6114.6 SG2 409.3 THA 179.62

ORBIT DETERMINATION ACCURACY

ST 3655.7 SR 362.3 SS 1259.2
 CRT -.9058 CRS .8783 CST -.9980
 LSA 3879.6 MSA 171.3 SSA 16.4
 EL1 3670.4 EL2 152.9 ALF 174.86

LAUNCH DATE JUN 7 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 565.210

RL 151.83 LAL -0.00 LOL 255.58 VL 26.283 GAL 6.54 AZL 93.39 HCA 267.02 SMA 125.50 ECC .23749 INC 3.3914 V1 29.345
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.547 GAP 11.05 AZP 89.82 TAL 157.87 TAP 64.89 RCA 95.70 APO 155.31 V2 35.225
 RC 151.657 GL -19.79 GP -.25 ZAL 52.60 ZAP 167.05 ETS 358.39 ZAE 126.27 ETE 180.70 ZAC 89.91 ETC 13.69 CLP-167.06

PLANETOCENTRIC CONIC

C3 20.808 VHL 4.562 DLA -28.26 RAL 195.87 RAD 6567.8 VEL 11.924 PTH 2.12 VHP 7.259 DPA 4.61 RAP 177.16 ECC 1.3424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 9 30 950.85 18.17 327.95 64.54 112.09 13 25 21 350.8 21.02 320.42
 90.00 13 39 44 852.84 20.57 321.75 65.52 109.90 13 53 57 252.8 23.10 313.99
 100.00 13 23 17 906.23 12.75 322.09 61.96 117.27 13 38 23 306.2 16.31 315.11
 100.00 16 8 38 5660.72 26.26 266.28 67.46 104.81 17 42 59 5060.7 28.04 257.93
 110.00 13 23 58 904.08 6.65 318.30 58.33 123.61 13 39 2 304.1 11.02 311.93
 110.00 18 24 27 5235.64 33.19 235.67 69.12 98.68 19 51 42 4635.6 34.04 226.53

DIFFERENTIAL CORRECTIONS

TDE-2.7275 TRA 2.7897 TC3-3.5308 BAU .9830
 RDE .2965 RRA .0953 RC3 -.1371 FAU .02734
 FDE-1.4217 FRA 1.7445 FC3-1.1377 BSP 19672
 BDE 2.7436 BRA 2.7913 BC3 3.5335 FSP -942

MID-COURSE EXECUTION ACCURACY

SGT 6159.6 SGR 415.7 SG3 279.4
 RRT -.1296 RRF -.1465 RTF .9720
 SGB 6173.6 R23 .0201 R13 -.9720
 SG1 6159.8 SG2 412.2 THA 179.50

ORBIT DETERMINATION ACCURACY

ST 3629.1 SR 374.6 SS 1214.0
 CRT -.9023 CRS .8749 CST -.9981
 LSA 3841.0 MSA 176.9 SSA 16.0
 EL1 3644.8 EL2 160.8 ALF 174.67

LAUNCH DATE JUN 7 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 570.809

RL 151.83 LAL -0.00 LOL 255.58 VL 26.250 GAL 7.08 AZL 93.39 HCA 270.26 SMA 125.30 ECC .24356 INC 3.3940 V1 29.345
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.517 GAP 11.56 AZP 90.02 TAL 156.68 TAP 66.94 RCA 94.78 APO 155.82 V2 35.217
 RC 153.730 GL -18.93 GP -.24 ZAL 50.70 ZAP 168.23 ETS 358.20 ZAE 125.97 ETE 180.69 ZAC 87.91 ETC 13.58 CLP-168.23

PLANETOCENTRIC CONIC

C3 22.593 VHL 4.753 DLA -28.17 RAL 198.05 RAD 6567.9 VEL 11.999 PTH 2.14 VHP 7.543 DPA 3.78 RAP 179.06 ECC 1.3718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 8 16 1003.03 16.81 331.17 67.67 113.13 13 24 59 403.0 19.80 323.77
 90.00 13 58 24 840.37 20.86 320.95 69.34 109.60 14 12 24 240.4 23.34 313.16
 100.00 13 29 43 933.62 11.89 323.67 65.27 117.63 13 45 16 333.6 15.50 316.74
 100.00 16 19 38 5673.05 26.05 267.13 71.12 105.21 17 54 11 5073.1 27.88 258.81
 110.00 13 31 33 927.85 5.75 319.55 61.58 123.75 13 47 1 327.9 10.15 313.22
 110.00 18 34 17 5251.59 33.02 236.88 72.86 99.38 20 1 49 4651.6 33.96 227.77

DIFFERENTIAL CORRECTIONS

TDE-2.7945 TRA 3.0537 TC3-3.2641 BAU .9866
 RDE .3184 RRA .0911 RC3 -.1199 FAU .02471
 FDE-1.3634 FRA 1.7672 FC3 -.9470 BSP 19847
 BDE 2.8126 BRA 3.0550 BC3 3.2663 FSP -894

MID-COURSE EXECUTION ACCURACY

SGT 6197.8 SGR 419.3 SG3 264.2
 RRT -.1614 RRF -.1773 RTF .9719
 SGB 6211.9 R23 .0200 R13 -.9719
 SG1 6198.1 SG2 413.8 THA 179.37

ORBIT DETERMINATION ACCURACY

ST 3595.2 SR 385.7 SS 1170.8
 CRT -.8986 CRS .8713 CST -.9982
 LSA 3796.2 MSA 182.6 SSA 15.6
 EL1 3611.9 EL2 168.5 ALF 174.48

LAUNCH DATE JUN 7 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 576.345

RL 151.83 LAL -0.00 LOL 255.58 VL 26.218 GAL 7.65 AZL 93.40 HCA 273.50 SMA 125.10 ECC .25009 INC 3.3967 V1 29.345
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.487 GAP 12.09 AZP 90.21 TAL 155.50 TAP 69.00 RCA 93.81 APO 156.38 V2 35.210
 RC 155.789 GL -18.08 GP -.23 ZAL 48.86 ZAP 169.37 ETS 358.01 ZAE 125.69 ETE 180.68 ZAC 85.88 ETC 13.50 CLP-169.38

PLANETOCENTRIC CONIC

C3 24.621 VHL 4.962 DLA -28.05 RAL 200.17 RAD 6568.0 VEL 12.083 PTH 2.16 VHP 7.843 DPA 2.93 RAP 180.98 ECC 1.4052
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 7 25 1054.30 15.41 334.28 70.79 114.05 13 24 59 454.3 18.53 327.00
 90.00 14 16 9 831.12 21.07 320.35 73.16 109.37 14 30 0 231.1 23.52 312.54
 100.00 13 35 6 964.74 10.90 325.46 68.53 118.01 13 51 11 364.7 14.57 318.58
 100.00 16 31 9 5683.95 25.85 267.88 74.80 105.56 18 5 52 5084.0 27.73 259.58
 110.00 13 38 27 954.22 4.75 320.94 64.81 123.89 13 54 21 354.2 9.17 314.64
 110.00 18 44 17 5267.23 32.84 238.06 76.62 100.06 20 12 4 4667.2 33.88 228.98

DIFFERENTIAL CORRECTIONS

TDE-2.8618 TRA 3.3342 TC3-2.9995 BAU .9879
 RDE .3411 RRA .0853 RC3 -.1037 FAU .02222
 FDE-1.3092 FRA 1.7909 FC3 -.7813 BSP 20007
 BDE 2.8821 BRA 3.3353 BC3 3.0013 FSP -850

MID-COURSE EXECUTION ACCURACY

SGT 6229.9 SGR 422.1 SG3 250.1
 RRT -.1932 RRF -.2079 RTF .9720
 SGB 6244.1 R23 .0197 R13 -.9720
 SG1 6230.4 SG2 414.1 THA 179.25

ORBIT DETERMINATION ACCURACY

ST 3555.4 SR 395.3 SS 1129.8
 CRT -.8947 CRS .8676 CST -.9982
 LSA 3746.8 MSA 188.1 SSA 15.1
 EL1 3573.0 EL2 175.7 ALF 174.31

LAUNCH DATE JUN 7 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 581.812

RL 151.83 LAL -.00 LOL 255.58 VL 26.185 GAL 8.25 AZL 93.40 HCA 276.74 SMA 124.90 ECC .25715 INC 3.3994 V1 29.345
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.456 GAP 12.65 AZP 90.40 TAL 154.32 TAP 71.06 RCA 92.78 APO 157.02 V2 35.201
 RC 157.834 GL -17.22 GP -.22 ZAL 47.08 ZAP 170.50 ETS 357.79 ZAE 125.42 ETE 180.65 ZAC 83.83 ETC 13.43 CLP-170.51

PLANETOCENTRIC CONIC

C3 26.928 VHL 5.189 DLA -27.89 RAL 202.22 RAD 6568.1 VEL 12.178 PTH 2.19 VHP 8.160 DPA 2.07 RAP 182.90 ECC 1.4432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 6 39 1105.63 13.96 337.36 73.88 114.89 13 25 4 505.6 17.21 330.18
 90.00 14 33 16 824.07 21.22 319.90 76.96 109.20 14 47 0 224.1 23.65 312.07
 100.00 13 39 35 999.14 9.80 327.41 71.75 118.38 13 56 14 399.1 13.51 320.59
 100.00 16 43 1 5693.83 25.67 268.56 78.49 105.87 18 17 55 5093.8 27.60 260.29
 110.00 13 44 42 983.05 3.66 322.45 68.01 124.01 14 1 5 383.0 8.10 316.18
 110.00 18 54 23 5282.69 32.65 239.23 80.38 100.73 20 22 26 4682.7 33.79 230.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.9260 TRA 3.6364 TC3-2.7339 BAU .9847 SGT 6254.8 SGR 424.1 SG3 236.9 ST 3507.3 SR 403.4 SS 1090.1
 RDE .3644 RRA .0780 RC3 -.0889 FAU .01975 RRT -.2245 RRF -.2376 RTF .9720 CRT -.8904 CRS .8632 CST -.9983
 FDE-1.2570 FRA 1.8180 FC3 -.6351 BSP 20052 SGB 6269.1 R23 .0189 R13 -.9720 LSA 3689.8 MSA 193.7 SSA 14.7
 BDE 2.9486 BRA 3.6372 BC3 2.7353 FSP -803 SG1 6255.5 SG2 413.2 THA 179.12 EL1 3525.7 EL2 182.7 ALF 174.14

LAUNCH DATE JUN 7 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 587.200

RL 151.83 LAL -.00 LOL 255.58 VL 26.153 GAL 8.90 AZL 93.40 HCA 279.98 SMA 124.70 ECC .26479 INC 3.4022 V1 29.345
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.425 GAP 13.24 AZP 90.59 TAL 153.16 TAP 73.13 RCA 91.68 APO 157.72 V2 35.192
 RC 159.863 GL -16.38 GP -.21 ZAL 45.36 ZAP 171.62 ETS 357.54 ZAE 125.15 ETE 180.63 ZAC 81.77 ETC 13.38 CLP-171.62

PLANETOCENTRIC CONIC

C3 29.559 VHL 5.437 DLA -27.70 RAL 204.20 RAD 6568.2 VEL 12.285 PTH 2.21 VHP 8.497 DPA 1.20 RAP 184.84 ECC 1.4865
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 5 51 1157.30 12.46 340.41 76.95 115.63 13 25 8 557.3 15.81 333.33
 90.00 14 49 50 818.90 21.34 319.56 80.76 109.07 15 3 29 218.9 23.75 311.72
 100.00 13 43 14 1036.43 8.58 329.51 74.92 118.74 14 0 31 436.4 12.36 322.75
 100.00 16 55 7 5703.05 25.49 269.19 82.20 106.16 18 30 10 5103.1 27.46 260.94
 110.00 13 50 19 1014.18 2.47 324.08 71.17 124.10 14 7 14 414.2 6.93 317.83
 110.00 19 4 32 5298.07 32.45 240.39 84.15 101.38 20 32 50 4698.1 33.68 231.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.9962 TRA 3.9525 TC3-2.4819 BAU .9812 SGT 6275.7 SGR 425.4 SG3 224.6 ST 3459.5 SR 410.0 SS 1054.8
 RDE .3883 RRA .0690 RC3 -.0752 FAU .01754 RRT -.2566 RRF -.2682 RTF .9723 CRT -.8864 CRS .8595 CST -.9984
 FDE-1.2116 FRA 1.8440 FC3 -.5137 BSP 20197 SGB 6290.1 R23 .0182 R13 -.9723 LSA 3634.5 MSA 198.5 SSA 14.3
 BDE 3.0212 BRA 3.9531 BC3 2.4831 FSP -764 SG1 6276.7 SG2 411.1 THA 179.00 EL1 3478.6 EL2 188.8 ALF 173.99

LAUNCH DATE JUN 7 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 592.497

RL 151.83 LAL -.00 LOL 255.58 VL 26.120 GAL 9.59 AZL 93.41 HCA 283.21 SMA 124.50 ECC .27308 INC 3.4050 V1 29.345
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.394 GAP 13.87 AZP 90.78 TAL 152.01 TAP 75.22 RCA 90.50 APO 158.50 V2 35.183
 RC 161.876 GL -15.55 GP -.20 ZAL 43.70 ZAP 172.72 ETS 357.26 ZAE 124.89 ETE 180.60 ZAC 79.71 ETC 13.36 CLP-172.72

PLANETOCENTRIC CONIC

C3 32.564 VHL 5.706 DLA -27.48 RAL 206.10 RAD 6568.3 VEL 12.407 PTH 2.24 VHP 8.857 DPA .32 RAP 186.78 ECC 1.5359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 4 58 1209.39 10.91 343.45 79.99 116.29 13 25 7 609.4 14.36 336.46
 90.00 15 5 51 815.47 21.42 319.34 84.54 108.98 15 19 26 215.5 23.81 311.49
 100.00 13 46 11 1076.19 7.27 331.74 78.05 119.07 14 4 7 476.2 11.10 325.04
 100.00 17 7 19 5711.94 25.32 269.79 85.90 106.44 18 42 31 5111.9 27.33 261.57
 110.00 13 55 20 1047.43 1.20 325.82 74.31 124.16 14 12 48 447.4 5.67 319.59
 110.00 19 14 39 5313.46 32.24 241.54 87.90 102.03 20 43 13 4713.5 33.56 232.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.0680 TRA 4.2894 TC3-2.2372 BAU .9744 SGT 6290.8 SGR 425.9 SG3 213.2 ST 3408.2 SR 415.0 SS 1022.1
 RDE .4129 RRA .0582 RC3 -.0630 FAU .01541 RRT -.2887 RRF -.2985 RTF .9727 CRT -.8823 CRS .8557 CST -.9985
 FDE-1.1699 FRA 1.8721 FC3 -.4098 BSP 20314 SGB 6305.2 R23 .0173 R13 -.9727 LSA 3576.5 MSA 202.9 SSA 13.9
 BDE 3.0957 BRA 4.2898 BC3 2.2381 FSP -727 SG1 6292.0 SG2 407.7 THA 178.88 EL1 3427.9 EL2 194.2 ALF 173.85

LAUNCH DATE JUN 7 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 597.690

RL 151.83 LAL -.00 LOL 255.58 VL 26.088 GAL 10.32 AZL 93.41 HCA 286.44 SMA 124.30 ECC .28208 INC 3.4079 V1 29.345
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.362 GAP 14.53 AZP 90.97 TAL 150.88 TAP 77.32 RCA 89.24 APO 159.37 V2 35.172
 RC 163.875 GL -14.73 GP -.20 ZAL 42.12 ZAP 173.82 ETS 356.91 ZAE 124.63 ETE 180.57 ZAC 77.64 ETC 13.35 CLP-173.82

PLANETOCENTRIC CONIC

C3 36.005 VHL 6.000 DLA -27.23 RAL 207.91 RAD 6568.4 VEL 12.545 PTH 2.27 VHP 9.242 DPA -.55 RAP 188.73 ECC 1.5926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 3 58 1261.90 9.31 346.47 82.98 116.86 13 25 0 661.9 12.84 339.58
 90.00 15 21 20 813.66 21.46 319.22 88.29 108.94 15 34 53 213.7 23.84 311.36
 100.00 13 48 29 1118.08 5.88 334.07 81.14 119.36 14 7 7 518.1 9.75 327.42
 100.00 17 19 30 5720.75 25.15 270.39 89.59 106.71 18 54 51 5120.8 27.20 262.19
 110.00 13 59 46 1082.65 -.15 327.65 77.40 124.18 14 17 49 482.7 4.34 321.44
 110.00 19 24 42 5328.94 32.01 242.69 91.63 102.68 20 53 31 4728.9 33.43 233.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.1426 TRA 4.6487 TC3-2.0016 BAU .9638 SGT 6300.6 SGR 425.6 SG3 202.5 ST 3354.5 SR 418.4 SS 992.4
 RDE .4379 RRA .0455 RC3 -.0522 FAU .01338 RRT -.3207 RRF -.3287 RTF .9733 CRT -.8782 CRS .8520 CST -.9985
 FDE-1.1321 FRA 1.9026 FC3 -.3217 BSP 20412 SGB 6314.9 R23 .0161 R13 -.9733 LSA 3517.0 MSA 206.6 SSA 13.5
 BDE 3.1729 BRA 4.6490 BC3 2.0022 FSP -692 SG1 6302.1 SG2 403.0 THA 178.75 EL1 3374.6 EL2 198.9 ALF 173.73

LAUNCH DATE JUN 7 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 602.763

RL 151.83 LAL -.00 LOL 255.58 VL 26.056 GAL 11.12 AZL 93.41 MCA 289.67 SMA 124.11 ECC .29188 INC 3.4109 V1 29.345
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.330 GAP 15.24 AZP 91.15 TAL 149.77 TAP 79.44 RCA 87.89 APO 160.34 V2 35.162
 RC 165.860 GL -13.92 GP -.19 ZAL 40.60 ZAP 174.91 ETS 356.47 ZAE 124.36 ETE 180.54 ZAC 75.57 ETC 13.37 CLP-174.91

PLANETOCENTRIC CONIC

C3 39.958 VHL 6.321 DLA -26.97 RAL 209.64 RAD 6568.5 VEL 12.701 PTH 2.31 VHP 9.656 DPA -1.43 RAP 190.68 ECC 1.6576
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 2 51 1314.84 7.67 349.50 85.95 117.34 13 24 46 714.8 11.27 342.67
 90.00 15 36 16 813.35 21.46 319.20 92.02 108.93 15 49 49 213.4 23.85 311.34
 100.00 13 50 14 1161.79 4.42 336.49 84.17 119.59 14 9 35 561.8 8.33 329.88
 100.00 17 31 34 5729.68 24.98 271.00 93.25 106.98 19 7 4 5129.7 27.06 262.82
 110.00 14 3 39 1119.66 -1.56 329.58 80.46 124.15 14 22 18 519.7 2.93 323.38
 110.00 19 34 38 5344.57 31.77 243.84 95.35 103.32 21 3 43 4744.6 33.28 234.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2208 TRA 5.0318 TC3-1.7762 BAU .9491 SGT 6304.8 SGR 424.7 SG3 192.5 ST 3299.1 SR 420.1 SS 965.6
 RDE .4634 RRA .0308 RC3 -.0428 FAU .01142 RRT -.3528 RRF -.3589 RTF .9740 CRT -.8742 CRS .8483 CST -.9986
 FDE-1.0981 FRA 1.9358 FC3 -.2475 BSP 20492 SGB 6319.1 R23 .0148 R13 -.9740 LSA 3456.7 MSA 209.7 SSA 13.1
 BDE 3.2540 BRA 5.0319 BC3 1.7768 FSP -659 SG1 6306.6 SG2 397.2 THA 178.63 EL1 3319.5 EL2 202.8 ALF 173.62

LAUNCH DATE JUN 7 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 607.696

RL 151.83 LAL -.00 LOL 255.58 VL 26.025 GAL 11.97 AZL 93.41 MCA 292.90 SMA 123.92 ECC .30258 INC 3.4139 V1 29.345
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.297 GAP 16.00 AZP 91.33 TAL 148.69 TAP 81.60 RCA 86.42 APO 161.42 V2 35.151
 RC 167.829 GL -13.13 GP -.19 ZAL 39.16 ZAP 176.01 ETS 355.84 ZAE 124.08 ETE 180.50 ZAC 73.51 ETC 13.41 CLP-176.01

PLANETOCENTRIC CONIC

C3 44.513 VHL 6.672 DLA -26.67 RAL 211.29 RAD 6568.7 VEL 12.879 PTH 2.35 VHP 10.102 DPA -2.31 RAP 192.62 ECC 1.7326
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 1 33 1368.19 5.99 352.52 88.87 117.73 13 24 22 768.2 9.65 345.76
 90.00 15 50 40 814.43 21.44 319.27 95.70 108.95 16 4 14 214.4 23.83 311.42
 100.00 13 51 26 1207.07 2.89 338.98 87.16 119.77 14 11 34 607.1 6.83 332.41
 100.00 17 43 28 5738.83 24.79 271.61 96.89 107.25 19 19 7 5138.8 26.92 263.46
 110.00 14 6 59 1158.29 -3.04 331.60 83.47 124.06 14 26 17 558.3 1.45 325.40
 110.00 19 44 25 5360.37 31.52 245.00 99.02 103.97 21 13 45 4760.4 33.12 236.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2997 TRA 5.4453 TC3-1.5584 BAU .9276 SGT 6304.0 SGR 422.9 SG3 183.2 ST 3240.1 SR 420.2 SS 941.1
 RDE .4892 RRA .0137 RC3 -.0348 FAU .00946 RRT -.3844 RRF -.3884 RTF .9749 CRT -.8699 CRS .8443 CST -.9987
 FDE-1.0664 FRA 1.9736 FC3 -.1840 BSP 20468 SGB 6318.1 R23 .0132 R13 -.9749 LSA 3393.5 MSA 212.2 SSA 12.7
 BDE 3.3358 BRA 5.4453 BC3 1.5587 FSP -625 SG1 6306.1 SG2 390.3 THA 178.52 EL1 3260.8 EL2 205.9 ALF 173.54

LAUNCH DATE JUN 7 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 612.464

RL 151.83 LAL -.00 LOL 255.58 VL 25.993 GAL 12.89 AZL 93.42 MCA 296.13 SMA 123.73 ECC .31429 INC 3.4172 V1 29.345
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.265 GAP 16.81 AZP 91.51 TAL 147.66 TAP 83.79 RCA 84.84 APO 162.62 V2 35.139
 RC 169.783 GL -12.36 GP -.18 ZAL 37.79 ZAP 177.11 ETS 354.80 ZAE 123.79 ETE 180.46 ZAC 71.46 ETC 13.48 CLP-177.12

PLANETOCENTRIC CONIC

C3 49.781 VHL 7.056 DLA -26.36 RAL 212.84 RAD 6568.8 VEL 13.082 PTH 2.39 VHP 10.585 DPA -3.18 RAP 194.56 ECC 1.8193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 0 4 1421.93 4.28 355.54 91.74 118.02 13 23 46 821.9 7.99 348.83
 90.00 16 4 32 816.75 21.39 319.42 99.34 109.01 16 18 9 216.7 23.79 311.57
 100.00 13 52 10 1253.68 1.31 341.54 90.10 119.87 14 13 4 653.7 5.28 335.00
 100.00 17 55 7 5748.26 24.60 272.25 100.49 107.54 19 30 56 5148.3 26.77 264.12
 110.00 14 9 47 1198.39 -4.56 333.70 86.44 123.91 14 29 46 598.4 -.08 327.49
 110.00 19 54 0 5376.33 31.25 246.17 102.66 104.61 21 23 36 4776.3 32.94 237.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.3889 TRA 5.8833 TC3-1.3560 BAU .9026 SGT 6298.1 SGR 420.6 SG3 174.5 ST 3183.7 SR 418.7 SS 920.8
 RDE .5156 RRA -.0056 RC3 -.0281 FAU .00764 RRT -.4165 RRF -.4186 RTF .9759 CRT -.8662 CRS .8412 CST -.9988
 FDE-1.0406 FRA 2.0133 FC3 -.1328 BSP 20539 SGB 6312.1 R23 .0117 R13 -.9760 LSA 3333.6 MSA 213.6 SSA 12.2
 BDE 3.4279 BRA 5.8833 BC3 1.3563 FSP -596 SG1 6300.5 SG2 382.2 THA 178.40 EL1 3204.3 EL2 207.9 ALF 173.47

LAUNCH DATE JUN 7 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 617.036

RL 151.83 LAL -.00 LOL 255.58 VL 25.963 GAL 13.89 AZL 93.42 MCA 299.36 SMA 123.55 ECC .32715 INC 3.4206 V1 29.345
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.232 GAP 17.70 AZP 91.68 TAL 146.67 TAP 86.03 RCA 83.13 APO 163.97 V2 35.128
 RC 171.722 GL -11.60 GP -.18 ZAL 36.50 ZAP 178.22 ETS 352.58 ZAE 123.48 ETE 180.42 ZAC 69.42 ETC 13.57 CLP-178.23

PLANETOCENTRIC CONIC

C3 55.900 VHL 7.477 DLA -26.03 RAL 214.30 RAD 6569.0 VEL 13.314 PTH 2.43 VHP 11.111 DPA -4.04 RAP 196.49 ECC 1.9200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 58 22 1476.00 2.54 358.57 94.56 118.21 13 22 58 876.0 6.29 351.90
 90.00 16 17 53 820.13 21.31 319.64 102.92 109.10 16 31 33 220.1 23.72 311.80
 100.00 13 52 25 1301.43 -.31 344.16 92.98 119.89 14 14 7 701.4 3.67 337.63
 100.00 18 6 30 5757.98 24.40 272.90 104.04 107.82 19 42 28 5158.0 26.61 264.80
 110.00 14 12 4 1239.77 -6.13 335.88 89.37 123.69 14 32 44 639.8 -1.66 329.64
 110.00 20 3 20 5392.40 30.97 247.34 106.24 105.25 21 33 13 4792.4 32.75 238.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.4849 TRA 6.3539 TC3-1.1650 BAU .8708 SGT 6287.2 SGR 417.5 SG3 166.3 ST 3126.8 SR 415.6 SS 903.8
 RDE .5422 RRA -.0273 RC3 -.0226 FAU .00584 RRT -.4484 RRF -.4487 RTF .9772 CRT -.8627 CRS .8384 CST -.9988
 FDE-1.0186 FRA 2.0574 FC3 -.0905 BSP 20579 SGB 6301.1 R23 .0100 R13 -.9772 LSA 3274.3 MSA 214.0 SSA 11.8
 BDE 3.5268 BRA 6.3540 BC3 1.1652 FSP -568 SG1 6290.0 SG2 373.0 THA 178.29 EL1 3147.4 EL2 208.8 ALF 173.43

LAUNCH DATE JUN 8 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 17 1967

HELIOCENTRIC CONIC

DISTANCE 152.913

RL 151.84 LAL -.00 LOL 256.54 VL 21.225 GAL 4.46 AZL 93.40 HCA 58.93 SMA 102.28 ECC .48934 INC 3.3994 V1 29.341
 RP 108.94 LAP -2.91 LOP 315.42 VP 33.747 GAP -29.08 AZP 91.76 TAL 175.31 TAP 234.24 RCA 52.23 APO 152.33 V2 34.785
 RC 46.594 GL -8.55 GP -.02 ZAL 80.21 ZAP 17.90 ETS 180.71 ZAE 166.36 ETE 132.14 ZAC 111.32 ETC 16.05 CLP 17.90

PLANETOCENTRIC CONIC

C3 71.156 VHL 8.435 DLA -6.43 RAL 173.33 RAD 6569.4 VEL 13.875 PTH 2.53 VHP 17.217 DPA 13.35 RAP 156.49 ECC 2.1711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 57 2327.54 -22.14 48.77 54.44 108.12 7 18 44 1727.5 -19.46 41.12
 90.00 17 1 35 5373.04 27.84 245.61 59.85 84.62 18 31 8 4773.0 26.81 237.10
 100.00 7 58 13 2075.01 -23.55 29.69 53.93 108.97 8 32 48 1475.0 -20.74 22.01
 100.00 18 25 59 5100.81 29.32 225.42 59.68 83.89 19 51 0 4500.8 28.16 216.81
 110.00 8 59 28 1883.27 -27.32 13.60 52.40 111.40 9 30 51 1283.3 -24.16 5.85
 110.00 19 41 14 4865.31 33.31 206.96 59.10 81.82 21 2 20 4265.3 31.82 198.05

DIFFERENTIAL CORRECTIONS

TDE .4659 TRA-1.0637 TC3 -.0440 BAU .0657
 RDE -.5733 RRA -.2725 RC3 .0532 FAU .01685
 FDE -.3161 FRA .4387 FC3 -.2051 BSP 2105
 BDE .7387 BRA 1.0980 BC3 .0690 FSP -93

MID-COURSE EXECUTION ACCURACY

SGT 796.4 SGR 440.9 SG3 43.7
 RRT .0158 RRF -.0149 RTF -.6464
 SGB 910.3 R23 -.0001 R13 -.6464
 SG1 796.4 SG2 440.8 THA .72

ORBIT DETERMINATION ACCURACY

ST 384.4 SR 393.4 SS 346.6
 CRT -.7344 CRS -.8569 CST .9775
 LSA 616.3 MSA 206.4 SSA 14.3
 EL1 512.2 EL2 200.4 ALF 134.09

LAUNCH DATE JUN 8 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 159.320

RL 151.84 LAL -.00 LOL 256.54 VL 21.716 GAL 4.24 AZL 93.40 HCA 62.09 SMA 103.97 ECC .46508 INC 3.3988 V1 29.341
 RP 108.94 LAP -3.00 LOP 318.59 VP 34.060 GAP -27.59 AZP 91.59 TAL 175.10 TAP 237.19 RCA 55.62 APO 152.33 V2 34.786
 RC 45.578 GL -9.29 GP -.02 ZAL 79.95 ZAP 16.28 ETS 180.62 ZAE 167.45 ETE 123.17 ZAC 109.83 ETC 15.81 CLP 16.28

PLANETOCENTRIC CONIC

C3 63.193 VHL 7.949 DLA -7.22 RAL 173.28 RAD 6569.2 VEL 13.585 PTH 2.48 VHP 16.402 DPA 12.80 RAP 157.98 ECC 2.0400
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 51 2274.18 -20.97 45.29 52.23 109.48 7 23 45 1674.2 -18.12 37.77
 90.00 16 55 20 5369.79 27.82 245.38 58.04 84.51 18 24 50 4769.8 26.77 236.87
 100.00 8 3 43 2022.93 -22.35 26.28 51.69 110.38 8 37 26 1422.9 -19.37 18.75
 100.00 18 20 8 5096.27 29.28 225.09 57.86 83.72 19 45 5 4496.3 28.11 216.49
 110.00 9 4 4 1834.01 -26.05 10.33 50.08 112.96 9 34 38 1234.0 -22.71 2.76
 110.00 19 36 17 4857.95 33.23 206.40 57.27 81.49 20 57 15 4258.0 31.70 197.50

DIFFERENTIAL CORRECTIONS

TDE .4660 TRA-1.0457 TC3 -.0331 BAU .0584
 RDE -.5432 RRA -.2572 RC3 .0607 FAU .01745
 FDE -.3334 FRA .4485 FC3 -.2391 BSP 2247
 BDE .7157 BRA 1.0769 BC3 .0691 FSP -105

MID-COURSE EXECUTION ACCURACY

SGT 832.3 SGR 444.4 SG3 48.0
 RRT .0146 RRF -.0141 RTF -.6668
 SGB 943.5 R23 -.0004 R13 -.6669
 SG1 832.4 SG2 444.3 THA .63

ORBIT DETERMINATION ACCURACY

ST 405.9 SR 395.5 SS 368.0
 CRT -.7395 CRS -.8623 CST .9769
 LSA 642.4 MSA 209.0 SSA 14.5
 EL1 528.6 EL2 204.4 ALF 136.01

LAUNCH DATE JUN 8 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 165.778

RL 151.84 LAL -.00 LOL 256.54 VL 22.172 GAL 3.99 AZL 93.40 HCA 65.25 SMA 105.63 ECC .44201 INC 3.3982 V1 29.341
 RP 108.94 LAP -3.09 LOP 321.75 VP 34.355 GAP -26.18 AZP 91.42 TAL 174.93 TAP 240.18 RCA 58.94 APO 152.32 V2 34.788
 RC 44.711 GL -10.07 GP -.02 ZAL 79.81 ZAP 14.67 ETS 180.52 ZAE 168.26 ETE 112.24 ZAC 108.33 ETC 15.58 CLP 14.67

PLANETOCENTRIC CONIC

C3 56.202 VHL 7.497 DLA -8.00 RAL 173.12 RAD 6569.0 VEL 13.325 PTH 2.44 VHP 15.620 DPA 12.23 RAP 159.46 ECC 1.9249
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 15 2220.74 -19.72 41.87 49.94 110.74 7 28 16 1620.7 -16.72 34.48
 90.00 16 48 38 5366.09 27.80 245.11 56.07 84.37 18 18 4 4766.1 26.73 236.61
 100.00 8 8 44 1970.78 -21.08 22.93 49.38 111.70 8 41 35 1370.8 -17.94 15.54
 100.00 18 13 50 5091.28 29.25 224.72 55.90 83.53 19 38 42 4491.3 28.04 216.13
 110.00 9 8 10 1784.69 -24.70 7.13 47.70 114.42 9 37 54 1184.7 -21.20 359.74
 110.00 19 30 54 4850.13 33.15 205.80 55.29 81.15 20 51 44 4250.1 31.58 196.93

DIFFERENTIAL CORRECTIONS

TDE .4670 TRA-1.0266 TC3 -.0184 BAU .0536
 RDE -.5140 RRA -.2422 RC3 .0689 FAU .01812
 FDE -.3520 FRA .4574 FC3 -.2792 BSP 2394
 BDE .6945 BRA 1.0548 BC3 .0713 FSP -117

MID-COURSE EXECUTION ACCURACY

SGT 869.4 SGR 447.2 SG3 52.7
 RRT .0130 RRF -.0129 RTF -.6865
 SGB 977.7 R23 -.0008 R13 -.6866
 SG1 869.4 SG2 447.1 THA .52

ORBIT DETERMINATION ACCURACY

ST 428.8 SR 396.8 SS 390.6
 CRT -.7456 CRS -.8682 CST .9765
 LSA 670.3 MSA 210.8 SSA 14.8
 EL1 546.1 EL2 207.6 ALF 137.97

LAUNCH DATE JUN 8 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 172.282

RL 151.84 LAL -.00 LOL 256.54 VL 22.594 GAL 3.74 AZL 93.40 HCA 68.42 SMA 107.24 ECC .42014 INC 3.3976 V1 29.341
 RP 108.92 LAP -3.16 LOP 324.92 VP 34.631 GAP -24.83 AZP 91.25 TAL 174.81 TAP 243.23 RCA 62.18 APO 152.30 V2 34.791
 RC 44.000 GL -10.89 GP -.02 ZAL 79.78 ZAP 13.06 ETS 180.41 ZAE 168.66 ETE 99.63 ZAC 106.84 ETC 15.37 CLP 13.06

PLANETOCENTRIC CONIC

C3 50.064 VHL 7.076 DLA -8.77 RAL 172.84 RAD 6568.8 VEL 13.093 PTH 2.39 VHP 14.869 DPA 11.67 RAP 160.94 ECC 1.8239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 9 2167.43 -18.40 38.52 47.59 111.91 7 32 17 1567.4 -15.26 31.24
 90.00 16 41 29 5362.12 27.77 244.82 53.98 84.23 18 10 51 4762.1 26.68 236.33
 100.00 8 13 14 1918.77 -19.73 19.65 47.01 112.92 8 45 13 1318.8 -16.46 12.39
 100.00 18 7 6 5086.01 29.21 224.34 53.80 83.33 19 31 52 4486.0 27.98 215.75
 110.00 9 11 45 1735.53 -23.28 4.02 45.28 115.77 9 40 41 1135.5 -19.62 356.79
 110.00 19 25 4 4842.02 33.07 205.18 53.17 80.79 20 45 46 4242.0 31.44 196.33

DIFFERENTIAL CORRECTIONS

TDE .4685 TRA-1.0064 TC3 .0005 BAU .0521
 RDE -.4858 RRA -.2276 RC3 .0779 FAU .01887
 FDE -.3721 FRA .4658 FC3 -.3262 BSP 2545
 BDE .6750 BRA 1.0318 BC3 .0779 FSP -131

MID-COURSE EXECUTION ACCURACY

SGT 907.7 SGR 449.1 SG3 57.9
 RRT .0113 RRF -.0117 RTF -.7055
 SGB 1012.7 R23 -.0011 R13 -.7055
 SG1 907.7 SG2 449.1 THA .42

ORBIT DETERMINATION ACCURACY

ST 452.9 SR 397.4 SS 414.5
 CRT -.7524 CRS -.8743 CST .9762
 LSA 699.8 MSA 211.9 SSA 15.1
 EL1 564.8 EL2 209.9 ALF 139.95

LAUNCH DATE JUN 8 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 178.828

RL 151.84 LAL -.00 LOL 256.54 VL 22.985 GAL 3.47 AZL 93.40 HCA 71.58 SMA 108.81 ECC .39945 INC 3.3971 V1 29.341
 RP 108.91 LAP -3.22 LOP 328.09 VP 34.891 GAP -23.54 AZP 91.07 TAL 174.75 TAP 246.33 RCA 65.34 APO 152.27 V2 34.795
 RC 43.455 GL -11.74 GP -.02 ZAL 79.88 ZAP 11.45 ETS 180.31 ZAE 168.53 ETE 86.29 ZAC 105.34 ETC 15.16 CLP 11.45

PLANETOCENTRIC CONIC

C3 44.677 VHL 6.684 DLA -9.52 RAL 172.44 RAD 6568.7 VEL 12.886 PTH 2.35 VHP 14.149 DPA 11.09 RAP 162.40 ECC 1.7353
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 33 2114.46 -17.02 35.24 45.19 112.98 7 35 47 1514.5 -13.76 28.08
 90.00 16 33 53 5358.05 27.74 244.53 51.76 84.09 18 3 11 4758.1 26.63 236.04
 100.00 8 17 13 1867.13 -18.33 16.46 44.59 114.03 8 48 20 1267.1 -14.93 9.32
 100.00 17 59 54 5080.62 29.16 223.94 51.58 83.13 19 24 35 4480.6 27.90 215.37
 110.00 9 14 49 1686.74 -21.81 1.00 42.83 117.00 9 42 56 1086.7 -18.01 353.93
 110.00 19 18 47 4833.78 32.97 204.56 50.94 80.43 20 39 21 4233.8 31.30 195.73

DIFFERENTIAL CORRECTIONS

TDE .4689 TRA -.9869 TC3 .0227 BAU .0541
 RDE -.4587 RRA -.2135 RC3 .0876 FAU .01968
 FDE -.3937 FRA .4738 FC3 -.3814 BSP 2653
 BDE .6560 BRA 1.0097 BC3 .0905 FSP -147

MID-COURSE EXECUTION ACCURACY

SGT 947.8 SGR 450.3 SG3 63.7
 RRT .0109 RRF -.0103 RTF -.7219
 SGB 1049.3 R23 -.0002 R13 -.7219
 SG1 947.8 SG2 450.2 THA .38

ORBIT DETERMINATION ACCURACY

ST 477.3 SR 397.1 SS 439.7
 CRT -.7583 CRS -.8804 CST .9754
 LSA 730.3 MSA 212.7 SSA 15.4
 EL1 583.7 EL2 211.7 ALF 141.85

LAUNCH DATE JUN 8 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 185.410

RL 151.84 LAL -.00 LOL 256.54 VL 23.347 GAL 3.20 AZL 93.40 HCA 74.74 SMA 110.32 ECC .37992 INC 3.3965 V1 29.341
 RP 108.90 LAP -3.28 LOP 331.26 VP 35.135 GAP -22.32 AZP 90.89 TAL 174.74 TAP 249.48 RCA 68.41 APO 152.24 V2 34.799
 RC 43.079 GL -12.62 GP -.02 ZAL 80.09 ZAP 9.82 ETS 180.19 ZAE 167.83 ETE 73.52 ZAC 103.85 ETC 14.97 CLP 9.82

PLANETOCENTRIC CONIC

C3 39.950 VHL 6.321 DLA -10.26 RAL 171.91 RAD 6568.5 VEL 12.701 PTH 2.31 VHP 13.457 DPA 10.51 RAP 163.85 ECC 1.6575
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 24 2062.09 -15.60 32.05 42.75 113.93 7 38 46 1462.1 -12.24 24.99
 90.00 16 25 49 5354.04 27.71 244.24 49.43 83.94 17 55 3 4754.0 26.59 235.75
 100.00 8 20 39 1816.08 -16.89 13.35 42.14 115.04 8 50 55 1216.1 -13.37 6.32
 100.00 17 52 15 5075.28 29.12 223.55 49.25 82.93 19 16 51 4475.3 27.83 214.98
 110.00 9 17 20 1638.56 -20.29 358.09 40.35 118.12 9 44 39 1038.6 -16.37 351.16
 110.00 19 12 3 4825.57 32.88 203.94 48.59 80.08 20 32 29 4225.6 31.16 195.13

DIFFERENTIAL CORRECTIONS

TDE .4718 TRA -.9644 TC3 .0520 BAU .0593
 RDE -.4326 RRA -.1997 RC3 .0982 FAU .02060
 FDE -.4174 FRA .4808 FC3 -.4465 BSP 2813
 BDE .6402 BRA .9848 BC3 .1111 FSP -164

MID-COURSE EXECUTION ACCURACY

SGT 988.2 SGR 450.6 SG3 70.1
 RRT .0087 RRF -.0085 RTF -.7392
 SGB 1086.1 R23 -.0005 R13 -.7392
 SG1 988.2 SG2 450.6 THA .29

ORBIT DETERMINATION ACCURACY

ST 504.0 SR 396.1 SS 466.7
 CRT -.7667 CRS -.8869 CST .9753
 LSA 763.8 MSA 212.2 SSA 15.7
 EL1 605.0 EL2 211.8 ALF 143.80

LAUNCH DATE JUN 8 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 192.024

RL 151.84 LAL -.00 LOL 256.54 VL 23.681 GAL 2.94 AZL 93.40 HCA 77.91 SMA 111.79 ECC .36153 INC 3.3960 V1 29.341
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.363 GAP -21.14 AZP 90.71 TAL 174.79 TAP 252.70 RCA 71.37 APO 152.20 V2 34.804
 RC 42.876 GL -13.54 GP -.02 ZAL 80.42 ZAP 8.19 ETS 180.07 ZAE 166.65 ETE 62.36 ZAC 102.37 ETC 14.79 CLP 8.19

PLANETOCENTRIC CONIC

C3 35.805 VHL 5.984 DLA -10.98 RAL 171.26 RAD 6568.4 VEL 12.537 PTH 2.27 VHP 12.792 DPA 9.93 RAP 165.29 ECC 1.5893
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 42 2010.56 -14.15 28.96 40.27 114.78 7 41 12 1410.6 -10.69 21.99
 90.00 16 17 19 5350.21 27.69 243.96 47.01 83.81 17 46 29 4750.2 26.54 235.48
 100.00 8 23 32 1765.89 -15.42 10.35 39.65 115.93 8 52 58 1165.9 -11.80 3.42
 100.00 17 44 10 5070.12 29.07 223.18 46.82 82.73 19 8 40 4470.1 27.76 214.62
 110.00 9 19 18 1591.23 -18.74 355.29 37.84 119.12 9 45 49 991.2 -14.72 348.48
 110.00 19 4 53 4817.53 32.78 203.33 46.16 79.73 20 25 10 4217.5 31.02 194.55

DIFFERENTIAL CORRECTIONS

TDE .4755 TRA -.9408 TC3 .0876 BAU .0671
 RDE -.4076 RRA -.1864 RC3 .1094 FAU .02163
 FDE -.4435 FRA .4870 FC3 -.5231 BSP 2970
 BDE .6263 BRA .9591 BC3 .1401 FSP -184

MID-COURSE EXECUTION ACCURACY

SGT 1029.7 SGR 450.1 SG3 77.2
 RRT .0063 RRF -.0064 RTF -.7555
 SGB 1123.8 R23 -.0006 R13 -.7555
 SG1 1029.7 SG2 450.1 THA .19

ORBIT DETERMINATION ACCURACY

ST 532.0 SR 394.1 SS 495.5
 CRT -.7757 CRS -.8936 CST .9752
 LSA 799.5 MSA 210.8 SSA 16.0
 EL1 627.7 EL2 210.8 ALF 145.72

LAUNCH DATE JUN 8 1967

FLIGHT TIME 84.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 198.665

RL 151.84 LAL -.00 LOL 256.54 VL 23.991 GAL 2.67 AZL 93.40 HCA 81.07 SMA 113.19 ECC .34427 INC 3.3955 V1 29.341
 RP 108.87 LAP -3.35 LOP 337.60 VP 35.576 GAP -20.02 AZP 90.53 TAL 174.89 TAP 255.97 RCA 74.22 APO 152.16 V2 34.809
 RC 42.849 GL -14.49 GP -.02 ZAL 80.87 ZAP 6.53 ETS 179.93 ZAE 165.10 ETE 53.15 ZAC 100.91 ETC 14.62 CLP 6.53

PLANETOCENTRIC CONIC

C3 32.173 VHL 5.672 DLA -11.69 RAL 170.48 RAD 6568.3 VEL 12.391 PTH 2.24 VHP 12.154 DPA 9.35 RAP 166.71 ECC 1.5295
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 26 1960.12 -12.69 25.98 37.76 115.53 7 43 6 1360.1 -9.15 19.09
 90.00 16 8 23 5346.70 27.66 243.71 44.50 83.68 17 37 30 4746.7 26.50 235.23
 100.00 8 25 51 1716.79 -13.93 7.46 37.14 116.72 8 54 28 1116.8 -10.24 .62
 100.00 17 35 39 5065.26 29.03 222.82 44.31 82.55 19 0 4 4465.3 27.70 214.27
 110.00 9 20 42 1545.02 -17.19 352.60 35.31 120.01 9 46 27 945.0 -13.07 345.91
 110.00 18 57 17 4809.80 32.69 202.75 43.64 79.40 20 17 27 4209.8 30.88 193.99

DIFFERENTIAL CORRECTIONS

TDE .4797 TRA -.9160 TC3 .1300 BAU .0765
 RDE -.3838 RRA -.1737 RC3 .1213 FAU .02278
 FDE -.4721 FRA .4924 FC3 -.6131 BSP 3123
 BDE .6143 BRA .9323 BC3 .1778 FSP -206

MID-COURSE EXECUTION ACCURACY

SGT 1072.0 SGR 448.7 SG3 85.1
 RRT .0036 RRF -.0040 RTF -.7709
 SGB 1162.1 R23 -.0007 R13 -.7709
 SG1 1072.0 SG2 448.7 THA .10

ORBIT DETERMINATION ACCURACY

ST 561.4 SR 391.4 SS 526.2
 CRT -.7855 CRS -.9005 CST .9753
 LSA 837.5 MSA 208.8 SSA 16.3
 EL1 651.8 EL2 208.6 ALF 147.57

LAUNCH DATE JUN 8 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 205.329

RL 151.84 LAL -0.00 LOL 256.54 VL 24.277 GAL 2.41 AZL 93.40 HCA 84.24 SMA 114.54 ECC .32809 INC 3.3950 V1 29.341
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.776 GAP -18.95 AZP 90.34 TAL 175.06 TAP 259.29 RCA 76.96 APO 152.12 V2 34.815
 RC 42.995 GL -15.47 GP -.02 ZAL 81.44 ZAP 4.86 ETS 179.76 ZAE 163.31 ETE 45.77 ZAC 99.46 ETC 14.47 CLP 4.86

PLANETOCENTRIC CONIC

C3 28.996 VHL 5.385 DLA -12.37 RAL 169.58 RAD 6568.2 VEL 12.263 PTH 2.21 VHP 11.540 DPA 8.77 RAP 168.10 ECC 1.4772
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 12 35 1911.04 -11.24 23.11 35.23 116.16 7 44 26 1311.0 -7.63 16.28
 90.00 15 59 3 5343.57 27.64 243.48 41.92 83.57 17 28 7 4743.6 26.46 235.01
 100.00 8 27 35 1669.07 -12.46 4.69 34.60 117.39 8 55 24 1069.1 -8.69 357.92
 100.00 17 26 44 5060.78 28.99 222.49 41.73 82.38 18 51 5 4460.8 27.63 213.95
 110.00 9 21 31 1500.15 -15.65 350.04 32.77 120.79 9 46 32 900.2 -11.45 343.45
 110.00 18 49 18 4802.46 32.60 202.19 41.05 79.08 20 9 20 4202.5 30.75 193.46

DIFFERENTIAL CORRECTIONS

TDE .4850 TRA -.8893 TC3 .1805 BAU .0871
 RDE -.3611 RRA -.1615 RC3 .1337 FAU .02408
 FDE -.5040 FRA .4966 FC3 -.7189 BSP 3293
 BDE .6047 BRA .9039 BC3 .2246 FSP -231

MID-COURSE EXECUTION ACCURACY

SGT 1114.7 SGR 446.4 SG3 93.8
 RRT .0002 RRF -.0012 RTF -.7857
 SGB 1200.8 R23 -.0010 R13 -.7857
 SG1 1114.7 SG2 446.4 THA .01

ORBIT DETERMINATION ACCURACY

ST 592.3 SR 387.9 SS 559.1
 CRT -.7963 CRS -.9075 CST .9756
 LSA 878.2 MSA 205.8 SSA 16.6
 EL1 677.6 EL2 205.1 ALF 149.35

LAUNCH DATE JUN 8 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 212.011

RL 151.84 LAL -0.00 LOL 256.54 VL 24.541 GAL 2.15 AZL 93.39 HCA 87.40 SMA 115.83 ECC .31297 INC 3.3945 V1 29.341
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.962 GAP -17.92 AZP 90.15 TAL 175.27 TAP 262.68 RCA 79.58 APO 152.08 V2 34.822
 RC 43.312 GL -16.47 GP -.03 ZAL 82.12 ZAP 3.16 ETS 179.49 ZAE 161.39 ETE 39.89 ZAC 98.04 ETC 14.32 CLP 3.16

PLANETOCENTRIC CONIC

C3 26.218 VHL 5.120 DLA -13.02 RAL 168.57 RAD 6568.1 VEL 12.149 PTH 2.18 VHP 10.951 DPA 8.19 RAP 169.46 ECC 1.4315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 9 1863.59 -9.80 20.36 32.68 116.70 7 45 13 1263.6 -6.14 13.60
 90.00 15 49 22 5340.89 27.62 243.29 39.29 83.48 17 18 23 4740.9 26.43 234.82
 100.00 8 28 44 1622.96 -11.00 2.04 32.05 117.97 8 55 47 1023.0 -7.17 355.34
 100.00 17 17 29 5056.75 28.96 222.20 39.10 82.23 18 41 45 4456.8 27.58 213.67
 110.00 9 21 46 1456.88 -14.12 347.62 30.22 121.46 9 46 3 856.9 -9.86 341.11
 110.00 18 40 56 4795.59 32.51 201.68 38.41 78.79 20 0 52 4195.6 30.62 192.97

DIFFERENTIAL CORRECTIONS

TDE .4908 TRA -.8620 TC3 .2384 BAU .0981
 RDE -.3396 RRA -.1498 RC3 .1464 FAU .02553
 FDE -.5393 FRA .4999 FC3 -.8429 BSP 3465
 BDE .5969 BRA .8749 BC3 .2798 FSP -259

MID-COURSE EXECUTION ACCURACY

SGT 1158.2 SGR 443.3 SG3 103.6
 RRT -.0034 RRF .0020 RTF -.7994
 SGB 1240.1 R23 .0011 R13 .7994
 SG1 1158.2 SG2 443.3 THA 179.91

ORBIT DETERMINATION ACCURACY

ST 624.5 SR 383.5 SS 594.3
 CRT -.8073 CRS -.9146 CST .9760
 LSA 921.4 MSA 202.3 SSA 16.9
 EL1 704.9 EL2 200.5 ALF 151.06

LAUNCH DATE JUN 8 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 218.708

RL 151.84 LAL -0.00 LOL 256.54 VL 24.784 GAL 1.89 AZL 93.39 HCA 90.57 SMA 117.06 ECC .29887 INC 3.3940 V1 29.341
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.136 GAP -16.93 AZP 89.97 TAL 175.54 TAP 266.12 RCA 82.07 APO 152.04 V2 34.830
 RC 43.796 GL -17.50 GP -.03 ZAL 82.91 ZAP 1.43 ETS 178.77 ZAE 159.43 ETE 35.17 ZAC 96.65 ETC 14.19 CLP 1.43

PLANETOCENTRIC CONIC

C3 23.793 VHL 4.878 DLA -13.65 RAL 167.44 RAD 6568.0 VEL 12.049 PTH 2.15 VHP 10.385 DPA 7.63 RAP 170.80 ECC 1.3916
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 7 1818.02 -8.39 17.75 30.12 117.14 7 45 25 1218.0 -4.69 11.03
 90.00 15 39 23 5338.67 27.60 243.13 36.62 83.40 17 8 22 4738.7 26.40 234.67
 100.00 8 29 17 1578.73 -9.57 359.53 29.49 118.45 8 55 36 978.7 -5.70 352.88
 100.00 17 7 55 5053.19 28.92 221.94 36.43 82.10 18 32 8 4453.2 27.53 213.41
 110.00 9 21 25 1415.45 -12.64 345.32 27.67 122.03 9 45 0 815.5 -8.32 338.89
 110.00 18 32 16 4789.23 32.42 201.20 35.73 78.52 19 52 5 4189.2 30.50 192.51

DIFFERENTIAL CORRECTIONS

TDE .4969 TRA -.8334 TC3 .3044 BAU .1093
 RDE -.3193 RRA -.1388 RC3 .1594 FAU .02715
 FDE -.5783 FRA .5021 FC3 -.9878 BSP 3622
 BDE .5906 BRA .8449 BC3 .3436 FSP -291

MID-COURSE EXECUTION ACCURACY

SGT 1201.5 SGR 439.3 SG3 114.6
 RRT -.0071 RRF .0054 RTF -.8122
 SGB 1279.3 R23 .0013 R13 .8122
 SG1 1201.5 SG2 439.3 THA 179.83

ORBIT DETERMINATION ACCURACY

ST 657.3 SR 378.4 SS 631.5
 CRT -.8187 CRS -.9215 CST .9764
 LSA 966.7 MSA 198.3 SSA 17.2
 EL1 733.0 EL2 194.9 ALF 152.67

LAUNCH DATE JUN 8 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 225.416

RL 151.84 LAL -0.00 LOL 256.54 VL 25.008 GAL 1.65 AZL 93.39 HCA 93.74 SMA 118.22 ECC .28577 INC 3.3935 V1 29.341
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.298 GAP -15.98 AZP 89.78 TAL 175.87 TAP 269.61 RCA 84.44 APO 152.00 V2 34.838
 RC 44.440 GL -18.53 GP -.03 ZAL 83.80 ZAP .34 ETS 4.77 ZAE 157.51 ETE 31.35 ZAC 95.29 ETC 14.07 CLP -.34

PLANETOCENTRIC CONIC

C3 21.680 VHL 4.656 DLA -14.25 RAL 166.20 RAD 6567.9 VEL 11.961 PTH 2.13 VHP 9.841 DPA 7.07 RAP 172.09 ECC 1.3568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 28 1774.58 -7.04 15.28 27.56 117.50 7 45 3 1174.6 -3.30 8.60
 90.00 15 29 10 5336.89 27.59 243.00 33.92 83.34 16 58 7 4736.9 26.38 234.54
 100.00 8 29 14 1536.61 -8.20 357.16 26.93 118.85 8 54 50 936.6 -4.29 350.56
 100.00 16 58 6 5050.09 28.89 221.71 33.73 81.98 18 22 16 4450.1 27.48 213.19
 110.00 9 20 29 1376.08 -11.21 343.17 25.12 122.51 9 43 25 776.1 -6.84 336.80
 110.00 18 23 20 4783.39 32.34 200.76 33.03 78.27 19 43 4 4183.4 30.39 192.09

DIFFERENTIAL CORRECTIONS

TDE .5021 TRA -.8047 TC3 .3765 BAU .1200
 RDE -.3001 RRA -.1283 RC3 .1722 FAU .02896
 FDE -.6217 FRA .5031 FC3 -1.1566 BSP 3741
 BDE .5850 BRA .8148 BC3 .4141 FSP -326

MID-COURSE EXECUTION ACCURACY

SGT 1244.4 SGR 434.3 SG3 126.8
 RRT -.0103 RRF .0091 RTF -.8231
 SGB 1318.0 R23 .0006 R13 .8231
 SG1 1244.4 SG2 434.3 THA 179.76

ORBIT DETERMINATION ACCURACY

ST 689.8 SR 372.6 SS 671.2
 CRT -.8295 CRS -.9284 CST .9767
 LSA 1013.4 MSA 194.4 SSA 17.5
 EL1 761.0 EL2 188.6 ALF 154.16

LAUNCH DATE JUN 8 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 232.130

RL 151.84 LAL -.00 LOL 256.54 VL 25.215 GAL 1.41 AZL 93.39 HCA 96.92 SMA 119.32 ECC .27361 INC 3.3930 V1 29.341
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.448 GAP -15.06 AZP 89.59 TAL 176.24 TAP 273.15 RCA 86.67 APO 151.97 V2 34.846
 RC 45.237 GL -19.57 GP -.03 ZAL 84.78 ZAP 2.15 ETS .55 ZAE 155.66 ETE 28.21 ZAC 93.98 ETC 13.97 CLP -2.15

PLANETOCENTRIC CONIC

C3 19.841 VHL 4.454 DLA -14.81 RAL 164.87 RAD 6567.8 VEL 11.884 PTH 2.11 VHP 9.319 DPA 6.52 RAP 173.35 ECC 1.3265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 15 13 1733.51 -5.74 12.96 25.00 117.78 7 44 7 1133.5 -1.98 6.30
 90.00 15 18 48 5335.50 27.57 242.90 31.22 83.29 16 47 44 4735.5 26.36 234.44
 100.00 8 28 35 1496.83 -6.88 354.94 24.38 119.16 8 53 32 896.8 -2.95 348.36
 100.00 16 48 8 5047.41 28.87 221.52 31.02 81.88 18 12 15 4447.4 27.44 213.01
 110.00 9 18 59 1338.96 -9.84 341.16 22.58 122.90 9 41 18 739.0 -5.44 334.84
 110.00 18 14 13 4778.05 32.27 200.36 30.33 78.05 19 33 51 4178.0 30.28 191.71

DIFFERENTIAL CORRECTIONS

TDE .5104 TRA -.7735 TC3 .4616 BAU .1319
 RDE -.2822 RRA -.1184 RC3 .1848 FAU .03102
 FDE -.6704 FRA .5028 FC3-1.3535 BSP 3932
 BDE .5832 BRA .7825 BC3 .4972 FSP -365

MID-COURSE EXECUTION ACCURACY

SGT 1288.2 SGR 428.5 SG3 140.5
 RRT -.0153 RRF .0131 RTF -.8356
 SGB 1357.6 R23 .0013 R13 .8356
 SG1 1288.2 SG2 428.5 THA 179.67

ORBIT DETERMINATION ACCURACY

ST 725.6 SR 366.0 SS 713.5
 CRT -.8420 CRS -.9351 CST .9776
 LSA 1064.6 MSA 189.3 SSA 17.7
 EL1 792.3 EL2 180.9 ALF 155.64

LAUNCH DATE JUN 8 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 238.849

RL 151.84 LAL -.00 LOL 256.54 VL 25.404 GAL 1.19 AZL 93.39 HCA 100.09 SMA 120.36 ECC .26238 INC 3.3925 V1 29.341
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.588 GAP -14.19 AZP 89.40 TAL 176.66 TAP 276.75 RCA 88.78 APO 151.94 V2 34.856
 RC 46.178 GL -20.60 GP -.03 ZAL 85.85 ZAP 4.02 ETS .12 ZAE 153.94 ETE 25.60 ZAC 92.71 ETC 13.87 CLP -4.02

PLANETOCENTRIC CONIC

C3 18.244 VHL 4.271 DLA -15.33 RAL 163.45 RAD 6567.7 VEL 11.816 PTH 2.09 VHP 8.819 DPA 6.00 RAP 174.55 ECC 1.3003
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 14 23 1695.02 -4.51 10.80 22.47 117.98 7 42 38 1095.0 -0.73 4.15
 90.00 15 8 22 5334.42 27.57 242.82 28.52 83.25 16 37 16 4734.4 26.34 234.37
 100.00 8 27 21 1459.60 -5.64 352.87 21.84 119.40 8 51 40 859.6 -1.68 346.32
 100.00 16 38 5 5045.08 28.85 221.35 28.33 81.80 18 2 10 4445.1 27.41 212.84
 110.00 9 16 56 1304.28 -8.55 339.30 20.06 123.22 9 38 40 704.3 -4.12 333.02
 110.00 18 4 59 4773.16 32.20 200.00 27.63 77.84 19 24 33 4173.2 30.19 191.36

DIFFERENTIAL CORRECTIONS

TDE .5179 TRA -.7417 TC3 .5516 BAU .1428
 RDE -.2653 RRA -.1091 RC3 .1966 FAU .03334
 FDE -.7252 FRA .5005 FC3-1.5821 BSP 4091
 BDE .5819 BRA .7497 BC3 .5856 FSP -411

MID-COURSE EXECUTION ACCURACY

SGT 1330.1 SGR 421.8 SG3 155.9
 RRT -.0206 RRF .0177 RTF -.8460
 SGB 1395.4 R23 .0016 R13 .8460
 SG1 1330.1 SG2 421.7 THA 179.58

ORBIT DETERMINATION ACCURACY

ST 760.7 SR 358.8 SS 758.7
 CRT -.8539 CRS -.9417 CST .9783
 LSA 1117.5 MSA 184.4 SSA 18.0
 EL1 823.2 EL2 172.5 ALF 156.99

LAUNCH DATE JUN 8 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 245.568

RL 151.84 LAL -.00 LOL 256.54 VL 25.578 GAL .97 AZL 93.39 HCA 103.26 SMA 121.33 ECC .25202 INC 3.3920 V1 29.341
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.718 GAP -13.34 AZP 89.22 TAL 177.11 TAP 280.38 RCA 90.75 APO 151.91 V2 34.865
 RC 47.255 GL -21.62 GP -.04 ZAL 86.98 ZAP 5.94 ETS 359.91 ZAE 152.38 ETE 23.41 ZAC 91.50 ETC 13.79 CLP -5.94

PLANETOCENTRIC CONIC

C3 16.860 VHL 4.106 DLA -15.82 RAL 161.97 RAD 6567.7 VEL 11.758 PTH 2.08 VHP 8.338 DPA 5.49 RAP 175.70 ECC 1.2775
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 12 57 1659.29 -3.37 8.79 19.96 118.13 7 40 37 1059.3 .42 2.16
 90.00 14 57 58 5333.55 27.56 242.76 25.84 83.22 16 26 51 4733.6 26.33 234.31
 100.00 8 25 33 1425.06 -4.49 350.96 19.34 119.58 8 49 18 825.1 -0.51 344.42
 100.00 16 28 3 5043.01 28.83 221.20 25.65 81.72 17 52 6 4443.0 27.38 212.69
 110.00 9 14 22 1272.16 -7.35 337.59 17.57 123.48 9 35 34 672.2 -2.90 331.34
 110.00 17 55 44 4768.68 32.13 199.67 24.95 77.65 19 15 13 4168.7 30.10 191.04

DIFFERENTIAL CORRECTIONS

TDE .5242 TRA -.7106 TC3 .6472 BAU .1532
 RDE -.2496 RRA -.1004 RC3 .2076 FAU .03596
 FDE -.7857 FRA .4979 FC3-1.8464 BSP 4235
 BDE .5805 BRA .7177 BC3 .6797 FSP -462

MID-COURSE EXECUTION ACCURACY

SGT 1371.0 SGR 414.2 SG3 173.3
 RRT -.0247 RRF .0219 RTF -.8553
 SGB 1432.2 R23 .0014 R13 .8553
 SG1 1371.0 SG2 414.0 THA 179.53

ORBIT DETERMINATION ACCURACY

ST 794.2 SR 351.0 SS 805.8
 CRT -.8649 CRS -.9478 CST .9789
 LSA 1170.7 MSA 179.9 SSA 18.2
 EL1 852.7 EL2 164.1 ALF 158.23

LAUNCH DATE JUN 8 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 252.285

RL 151.84 LAL -.00 LOL 256.54 VL 25.737 GAL .77 AZL 93.39 HCA 106.44 SMA 122.24 ECC .24249 INC 3.3915 V1 29.341
 RP 108.66 LAP -3.25 LOP 361.01 VP 36.839 GAP -12.53 AZP 89.04 TAL 177.61 TAP 284.05 RCA 92.60 APO 151.89 V2 34.875
 RC 48.458 GL -22.62 GP -.04 ZAL 88.16 ZAP 7.93 ETS 359.78 ZAE 151.00 ETE 21.55 ZAC 90.35 ETC 13.71 CLP -7.93

PLANETOCENTRIC CONIC

C3 15.663 VHL 3.958 DLA -16.25 RAL 160.44 RAD 6567.6 VEL 11.707 PTH 2.06 VHP 7.878 DPA 5.01 RAP 176.79 ECC 1.2578
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 59 1626.45 -2.31 6.96 17.49 118.23 7 38 6 1026.5 1.48 .33
 90.00 14 47 41 5332.79 27.55 242.70 23.21 83.19 16 16 34 4732.8 26.32 234.25
 100.00 8 23 14 1393.35 -3.42 349.21 16.88 119.71 8 46 27 793.4 .56 342.68
 100.00 16 18 8 5041.12 28.81 221.06 23.02 81.65 17 42 9 4441.1 27.35 212.56
 110.00 9 11 19 1242.72 -6.24 336.04 15.13 123.68 9 32 1 642.7 -1.78 329.80
 110.00 17 46 32 4764.52 32.07 199.36 22.32 77.48 19 5 57 4164.5 30.02 190.75

DIFFERENTIAL CORRECTIONS

TDE .5323 TRA -.6769 TC3 .7495 BAU .1634
 RDE -.2349 RRA -.0923 RC3 .2173 FAU .03895
 FDE -.8561 FRA .4911 FC3-2.1530 BSP 4396
 BDE .5819 BRA .6832 BC3 .7803 FSP -522

MID-COURSE EXECUTION ACCURACY

SGT 1409.9 SGR 405.7 SG3 193.0
 RRT -.0314 RRF .0279 RTF -.8644
 SGB 1467.1 R23 .0017 R13 .8644
 SG1 1410.0 SG2 405.4 THA 179.44

ORBIT DETERMINATION ACCURACY

ST 829.5 SR 342.6 SS 857.8
 CRT -.8768 CRS -.9540 CST .9797
 LSA 1229.0 MSA 175.0 SSA 18.3
 EL1 884.1 EL2 154.6 ALF 159.44

LAUNCH DATE JUN 8 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 258.997

RL 151.84 LAL -.00 LOL 256.54 VL 25.882 GAL .57 AZL 93.39 HCA 109.62 SMA 123.09 ECC .23377 INC 3.3909 V1 29.341
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.950 GAP -11.74 AZP 88.86 TAL 178.13 TAP 287.75 RCA 94.32 APO 151.87 V2 34.886
 RC 49.776 GL -23.59 GP -.04 ZAL 89.39 ZAP 10.00 ETS 359.67 ZAE 149.83 ETE 19.97 ZAC 89.28 ETC 13.65 CLP -10.00

PLANETOCENTRIC CONIC

C3 14.629 VHL 3.825 OLA -16.65 RAL 158.87 RAD 6567.6 VEL 11.663 PTH 2.05 VHP 7.437 DPA 4.55 RAP 177.80 ECC 1.2408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 31 1596.59 -1.35 5.29 15.08 118.29 7 35 7 996.6 2.44 358.66
 90.00 14 37 39 5332.03 27.55 242.65 20.63 83.17 16 6 31 4732.0 26.31 234.20
 100.00 8 20 26 1364.54 -2.45 347.62 14.47 119.80 8 43 10 764.5 1.54 341.10
 100.00 16 8 25 5039.31 28.79 220.93 20.45 81.58 17 32 24 4439.3 27.32 212.43
 110.00 9 7 51 1216.00 -5.23 334.63 12.74 123.83 9 28 7 616.0 -.75 328.41
 110.00 17 37 30 4760.61 32.01 199.07 19.75 77.32 18 56 50 4160.6 29.94 190.47

DIFFERENTIAL CORRECTIONS

TDE .5391 TRA -.6428 TC3 .8557 BAU .1731
 RDE -.2211 RRA -.0848 RC3 .2254 FAU .04231
 FDE -.9332 FRA .4833 FC3-2.5042 BSP 4565
 BDE .5827 BRA .6484 BC3 .8849 FSP -590

MID-COURSE EXECUTION ACCURACY

SGT 1445.9 SGR 396.3 SG3 215.0
 RRT -.0374 RRF .0331 RTF -.8732
 SGB 1499.3 R23 .0023 R13 .8731
 SG1 1446.0 SG2 396.0 THA 179.36

ORBIT DETERMINATION ACCURACY

ST 862.2 SR 333.7 SS 910.7
 CRT -.8878 CRS -.9595 CST .9806
 LSA 1286.4 MSA 170.3 SSA 18.3
 EL1 913.1 EL2 145.0 ALF 160.53

LAUNCH DATE JUN 8 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 265.702

RL 151.84 LAL -.00 LOL 256.54 VL 26.014 GAL .39 AZL 93.39 HCA 112.80 SMA 123.88 ECC .22580 INC 3.3903 V1 29.341
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.054 GAP -10.98 AZP 88.68 TAL 178.67 TAP 291.47 RCA 95.91 APO 151.86 V2 34.897
 RC 51.201 GL -24.52 GP -.05 ZAL 90.63 ZAP 12.17 ETS 359.59 ZAE 148.87 ETE 18.61 ZAC 88.29 ETC 13.60 CLP -12.17

PLANETOCENTRIC CONIC

C3 13.739 VHL 3.707 OLA -16.99 RAL 157.29 RAD 6567.5 VEL 11.624 PTH 2.04 VHP 7.016 DPA 4.13 RAP 178.73 ECC 1.2261
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 5 36 1569.74 -.48 3.79 12.74 118.31 7 31 45 969.7 3.31 357.16
 90.00 14 27 57 5331.18 27.54 242.59 18.14 83.14 15 56 48 4731.2 26.30 234.14
 100.00 8 17 13 1338.65 -1.57 346.20 12.13 119.86 8 39 31 738.6 2.42 339.68
 100.00 15 59 1 5037.50 28.77 220.80 17.95 81.52 17 22 58 4437.5 27.30 212.31
 110.00 9 4 1 1192.01 -4.32 333.37 10.42 123.94 9 23 53 592.0 .16 327.15
 110.00 17 28 42 4756.91 31.96 198.79 17.25 77.17 18 47 59 4156.9 29.86 190.21

DIFFERENTIAL CORRECTIONS

TDE .5452 TRA -.6096 TC3 .9619 BAU .1817
 RDE -.2083 RRA -.0778 RC3 .2318 FAU .04619
 FDE -1.0222 FRA .4730 FC3-2.9105 BSP 4676
 BDE .5836 BRA .6145 BC3 .9894 FSP -666

MID-COURSE EXECUTION ACCURACY

SGT 1479.7 SGR 386.0 SG3 240.3
 RRT -.0438 RRF .0390 RTF -.8804
 SGB 1529.3 R23 .0023 R13 .8804
 SG1 1479.9 SG2 385.6 THA 179.30

ORBIT DETERMINATION ACCURACY

ST 893.4 SR 324.2 SS 968.6
 CRT -.8980 CRS -.9646 CST .9813
 LSA 1346.6 MSA 166.5 SSA 18.3
 EL1 940.7 EL2 135.5 ALF 161.55

LAUNCH DATE JUN 8 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 272.398

RL 151.84 LAL -.00 LOL 256.54 VL 26.135 GAL .22 AZL 93.39 HCA 115.98 SMA 124.61 ECC .21855 INC 3.3898 V1 29.341
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.149 GAP -10.25 AZP 88.51 TAL 179.22 TAP 295.21 RCA 97.38 APO 151.85 V2 34.908
 RC 52.722 GL -25.41 GP -.05 ZAL 91.88 ZAP 14.43 ETS 359.51 ZAE 148.15 ETE 17.44 ZAC 87.40 ETC 13.55 CLP -14.43

PLANETOCENTRIC CONIC

C3 12.973 VHL 3.602 OLA -17.30 RAL 155.71 RAD 6567.5 VEL 11.591 PTH 2.03 VHP 6.613 DPA 3.75 RAP 179.57 ECC 1.2135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 18 1545.86 .29 2.46 10.48 118.32 7 28 4 945.9 4.07 355.83
 90.00 14 18 40 5330.17 27.53 242.52 15.73 83.10 15 47 30 4730.2 26.29 234.07
 100.00 8 13 39 1315.62 -.79 344.94 9.88 119.88 8 35 35 715.6 3.19 338.42
 100.00 15 50 0 5035.64 28.75 220.66 15.55 81.45 17 13 56 4435.6 27.27 212.17
 110.00 8 59 55 1170.67 -3.51 332.25 8.18 124.02 9 19 26 570.7 .98 326.04
 110.00 17 20 13 4753.35 31.90 198.53 14.85 77.02 18 39 27 4153.4 29.79 189.96

DIFFERENTIAL CORRECTIONS

TDE .5455 TRA -.5787 TC3 1.0551 BAU .1875
 RDE -.1962 RRA -.0713 RC3 .2363 FAU .05036
 FDE -1.1167 FRA .4646 FC3-3.3607 BSP 4710
 BDE .5797 BRA .5831 BC3 1.0813 FSP -746

MID-COURSE EXECUTION ACCURACY

SGT 1503.5 SGR 374.8 SG3 267.9
 RRT -.0479 RRF .0433 RTF -.8854
 SGB 1549.5 R23 .0019 R13 .8854
 SG1 1503.6 SG2 374.4 THA 179.27

ORBIT DETERMINATION ACCURACY

ST 915.0 SR 314.2 SS 1024.4
 CRT -.9059 CRS -.9689 CST .9816
 LSA 1399.3 MSA 163.9 SSA 18.2
 EL1 959.1 EL2 126.9 ALF 162.40

LAUNCH DATE JUN 8 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 279.082

RL 151.84 LAL -.00 LOL 256.54 VL 26.244 GAL .06 AZL 93.39 HCA 119.17 SMA 125.29 ECC .21198 INC 3.3891 V1 29.341
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.237 GAP -9.55 AZP 88.35 TAL 179.78 TAP 298.95 RCA 98.73 APO 151.85 V2 34.920
 RC 54.330 GL -26.24 GP -.06 ZAL 93.11 ZAP 16.81 ETS 359.46 ZAE 147.68 ETE 16.44 ZAC 86.62 ETC 13.52 CLP -16.81

PLANETOCENTRIC CONIC

C3 12.317 VHL 3.510 OLA -17.56 RAL 154.16 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 6.229 DPA 3.42 RAP 180.30 ECC 1.2027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 44 1524.81 .97 1.29 8.33 118.30 7 24 9 924.8 4.74 354.64
 90.00 14 9 53 5329.01 27.52 242.43 13.44 83.06 15 38 42 4729.0 26.27 233.99
 100.00 8 9 51 1295.34 -.10 343.83 7.73 119.89 8 31 27 695.3 3.88 337.30
 100.00 15 41 27 5033.71 28.73 220.52 13.26 81.38 17 5 21 4433.7 27.24 212.04
 110.00 8 55 39 1151.87 -2.79 331.26 6.05 124.08 9 14 50 551.9 1.70 325.06
 110.00 17 12 9 4749.94 31.85 198.28 12.56 76.88 18 31 19 4149.9 29.72 189.72

DIFFERENTIAL CORRECTIONS

TDE .5301 TRA -.5596 TC3 1.1229 BAU .1890
 RDE -.1846 RRA -.0651 RC3 .2391 FAU .05495
 FDE -1.2028 FRA .4686 FC3-3.8624 BSP 4430
 BDE .5613 BRA .5634 BC3 1.1481 FSP -806

MID-COURSE EXECUTION ACCURACY

SGT 1512.7 SGR 362.5 SG3 297.4
 RRT -.0396 RRF .0380 RTF -.8843
 SGB 1555.5 R23 -.0008 R13 .8844
 SG1 1512.8 SG2 362.2 THA 179.42

ORBIT DETERMINATION ACCURACY

ST 912.2 SR 303.3 SS 1065.6
 CRT -.9076 CRS -.9715 CST .9802
 LSA 1425.4 MSA 165.6 SSA 18.1
 EL1 953.5 EL2 121.8 ALF 162.92

LAUNCH DATE JUN 8 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 285.754

RL 151.84 LAL -1.00 LOL 256.54 VL 26.343 GAL -1.09 AZL 93.39 HCA 122.35 SMA 125.90 ECC .20604 INC 3.3884 V1 29.341
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.318 GAP -8.87 AZP 88.18 TAL 180.34 TAP 302.70 RCA 99.96 APO 151.85 V2 34.932
 RC 56.016 GL -27.01 GP -1.06 ZAL 94.32 ZAP 19.32 ETS 359.41 ZAE 147.47 ETE 15.60 ZAC 85.97 ETC 13.49 CLP -19.32

PLANETOCENTRIC CONIC

C3 11.754 VHL 3.428 DLA -17.78 RAL 152.65 RAD 6567.4 VEL 11.539 PTH 2.01 VHP 5.863 DPA 3.14 RAP 180.91 ECC 1.1934
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 56 1506.57 1.56 .27 6.28 118.28 7 20 2 906.6 5.33 353.62
 90.00 14 1 39 5327.55 27.51 242.33 11.27 83.01 15 30 26 4727.6 26.26 233.88
 100.00 8 5 50 1277.75 .50 342.86 5.69 119.89 8 27 8 677.7 4.47 336.33
 100.00 15 33 25 5031.60 28.71 220.37 11.08 81.30 16 57 17 4431.6 27.21 211.89
 110.00 8 51 13 1135.55 -2.17 330.41 4.02 124.12 9 10 9 535.6 2.32 324.21
 110.00 17 4 32 4746.56 31.80 198.03 10.39 76.74 18 23 38 4146.6 29.65 189.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5585 TRA -.5068 TC3 1.2608 BAU .2016 SGT 1552.3 SGR 350.2 SG3 338.5 ST 971.0 SR 293.0 SS 1166.7
 RDE -.1743 RRA -.0599 RC3 .2387 FAU .06122 RRT -.0678 RRF .0607 RTF -.8991 CRT -.9254 CRS -.9776 CST .9834
 FDE-1.3706 FRA .4213 FC3-4.5092 BSP 5113 SGB 1591.3 R23 .0034 R13 .8990 LSA 1537.8 MSA 157.0 SSA 17.6
 BOE .5850 BRA .5104 BC3 1.2832 FSP -989 SG1 1552.5 SG2 349.3 THA 179.08 EL1 1008.6 EL2 106.9 ALF 164.22

LAUNCH DATE JUN 8 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 292.412

RL 151.84 LAL -1.00 LOL 256.54 VL 26.432 GAL -1.22 AZL 93.39 HCA 125.54 SMA 126.47 ECC .20071 INC 3.3877 V1 29.341
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.392 GAP -8.21 AZP 88.03 TAL 180.89 TAP 306.43 RCA 101.08 APO 151.85 V2 34.945
 RC 57.772 GL -27.72 GP -1.07 ZAL 95.47 ZAP 21.99 ETS 359.37 ZAE 147.54 ETE 14.89 ZAC 85.46 ETC 13.47 CLP -21.99

PLANETOCENTRIC CONIC

C3 11.274 VHL 3.358 DLA -17.96 RAL 151.21 RAD 6567.4 VEL 11.518 PTH 2.01 VHP 5.516 DPA 2.91 RAP 181.39 ECC 1.1855
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 3 1490.79 2.07 359.39 4.36 118.25 7 15 53 890.8 5.83 352.73
 90.00 13 54 1 5325.97 27.50 242.21 9.24 82.95 15 22 47 4726.0 26.23 233.77
 100.00 8 1 47 1262.53 1.01 342.03 3.77 119.88 8 22 49 662.5 4.98 335.49
 100.00 15 25 58 5029.46 28.69 220.21 9.05 81.22 16 49 47 4429.5 27.18 211.74
 110.00 8 46 49 1121.42 -1.63 329.67 2.12 124.15 9 5 31 521.4 2.86 323.47
 110.00 16 57 25 4743.34 31.75 197.79 8.35 76.61 18 16 28 4143.3 29.58 189.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5520 TRA -.4753 TC3 1.3353 BAU .2044 SGT 1555.1 SGR 336.5 SG3 379.7 ST 976.4 SR 281.4 SS 1232.4
 RDE -.1640 RRA -.0548 RC3 .2368 FAU .06765 RRT -.0708 RRF .0644 RTF -.9019 CRT -.9313 CRS -.9807 CST .9834
 FDE-1.5089 FRA .3985 FC3-5.1945 BSP 5041 SGB 1591.0 R23 .0025 R13 .9019 LSA 1589.5 MSA 156.0 SSA 17.1
 BOE .5758 BRA .4785 BC3 1.3561 FSP -1100 SG1 1555.2 SG2 335.6 THA 179.08 EL1 1011.3 EL2 99.0 ALF 164.83

LAUNCH DATE JUN 8 1967

FLIGHT TIME 114.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 299.054

RL 151.84 LAL -1.00 LOL 256.54 VL 26.511 GAL -1.35 AZL 93.39 HCA 128.73 SMA 126.98 ECC .19593 INC 3.3869 V1 29.341
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.460 GAP -7.57 AZP 87.88 TAL 181.42 TAP 310.15 RCA 102.10 APO 151.86 V2 34.957
 RC 59.590 GL -28.37 GP -1.08 ZAL 96.57 ZAP 24.82 ETS 359.35 ZAE 147.88 ETE 14.32 ZAC 85.11 ETC 13.46 CLP -24.82

PLANETOCENTRIC CONIC

C3 10.865 VHL 3.296 DLA -18.11 RAL 149.85 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 5.188 DPA 2.76 RAP 181.72 ECC 1.1788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 10 1477.26 2.50 358.64 2.57 118.22 7 11 47 877.3 6.25 351.97
 90.00 13 47 1 5324.28 27.48 242.09 7.35 82.89 15 15 45 4724.3 26.21 233.65
 100.00 7 57 46 1249.47 1.46 341.31 1.99 119.86 8 18 35 649.5 5.42 334.77
 100.00 15 19 6 5027.30 28.67 220.06 7.16 81.14 16 42 54 4427.3 27.14 211.59
 110.00 8 42 30 1109.27 -1.17 329.04 .35 124.17 9 1 0 509.3 3.32 322.83
 110.00 16 50 51 4740.27 31.70 197.57 6.47 76.48 18 9 51 4140.3 29.52 189.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5442 TRA -.4474 TC3 1.3868 BAU .2043 SGT 1549.3 SGR 322.1 SG3 426.2 ST 977.7 SR 269.2 SS 1305.4
 RDE -.1541 RRA -.0501 RC3 .2330 FAU .07479 RRT -.0758 RRF .0697 RTF -.9029 CRT -.9362 CRS -.9834 CST .9832
 FDE-1.6700 FRA .3758 FC3-5.9592 BSP 5012 SGB 1582.4 R23 .0018 R13 .9029 LSA 1645.6 MSA 156.1 SSA 16.6
 BOE .5656 BRA .4502 BC3 1.4062 FSP -1249 SG1 1549.5 SG2 321.1 THA 179.06 EL1 1009.9 EL2 91.6 ALF 165.42

LAUNCH DATE JUN 8 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 305.680

RL 151.84 LAL -1.00 LOL 256.54 VL 26.583 GAL -1.46 AZL 93.39 HCA 131.93 SMA 127.44 ECC .19168 INC 3.3861 V1 29.341
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.523 GAP -6.96 AZP 87.74 TAL 181.92 TAP 313.85 RCA 103.01 APO 151.87 V2 34.970
 RC 61.464 GL -28.96 GP -1.09 ZAL 97.59 ZAP 27.83 ETS 359.33 ZAE 148.52 ETE 13.88 ZAC 84.95 ETC 13.45 CLP -27.83

PLANETOCENTRIC CONIC

C3 10.516 VHL 3.243 DLA -18.24 RAL 148.58 RAD 6567.4 VEL 11.485 PTH 2.00 VHP 4.877 DPA 2.67 RAP 181.88 ECC 1.1731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 24 1465.71 2.87 357.99 .93 118.18 7 7 50 865.7 6.62 351.31
 90.00 13 40 38 5322.56 27.47 241.97 5.62 82.83 15 9 21 4722.6 26.19 233.53
 100.00 7 53 52 1238.32 1.83 340.70 .36 119.84 8 14 30 638.3 5.79 334.15
 100.00 15 12 51 5025.18 28.64 219.90 5.43 81.06 16 36 37 4425.2 27.11 211.44
 110.00 8 38 22 1098.88 -1.77 328.50 358.73 124.18 8 56 41 498.9 3.72 322.29
 110.00 16 44 51 4737.39 31.65 197.35 4.74 76.36 18 3 48 4137.4 29.45 188.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5336 TRA -.4212 TC3 1.4173 BAU .2018 SGT 1532.2 SGR 306.9 SG3 478.6 ST 972.0 SR 256.6 SS 1383.5
 RDE -.1445 RRA -.0458 RC3 .2274 FAU .08277 RRT -.0813 RRF .0752 RTF -.9030 CRT -.9403 CRS -.9856 CST .9830
 FDE-1.8532 FRA .3531 FC3-6.8138 BSP 4932 SGB 1562.6 R23 .0013 R13 .9030 LSA 1702.9 MSA 156.4 SSA 15.9
 BOE .5528 BRA .4237 BC3 1.4354 FSP -1411 SG1 1532.4 SG2 305.8 THA 179.03 EL1 1001.7 EL2 84.7 ALF 165.96

LAUNCH DATE JUN 8 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 312.287

RL 151.84 LAL -.00 LOL 256.54 VL 26.646 GAL -.55 AZL 93.39 HCA 135.12 SMA 127.85 ECC .18791 INC 3.3851 V1 29.341
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.580 GAP -6.36 AZP 87.60 TAL 182.39 TAP 317.51 RCA 103.83 APO 151.88 V2 34.983
 RC 63.388 GL -29.48 GP -.10 ZAL 98.53 ZAP 31.06 ETS 359.33 ZAE 149.47 ETE 13.58 ZAC 84.98 ETC 13.46 CLP -31.06

PLANETOCENTRIC CONIC

C3 10.220 VHL 3.197 DLA -18.34 RAL 147.41 RAD 6567.4 VEL 11.472 PTH 1.99 VHP 4.586 DPA 2.68 RAP 181.85 ECC 1.1682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 50 1455.84 3.19 357.44 359.45 118.15 7 4 6 855.8 6.93 350.76
 90.00 13 34 54 5320.90 27.45 241.85 4.06 82.77 15 3 35 4720.9 26.17 233.42
 100.00 7 50 12 1228.78 2.16 340.17 358.87 119.82 8 10 41 628.8 6.11 333.62
 100.00 15 7 13 5023.19 28.62 219.76 3.87 80.99 16 30 56 4423.2 27.08 211.30
 110.00 8 34 30 1089.98 -.43 328.03 357.26 124.18 8 52 40 490.0 4.06 321.82
 110.00 16 39 24 4734.76 31.61 197.16 3.17 76.26 17 58 19 4134.8 29.40 188.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5215 TRA -.3923 TC3 1.4351 BAU .1984 SGT 1504.7 SGR 291.0 SG3 539.1 ST 961.1 SR 243.4 SS 1469.7
 RDE -.1351 RRA -.0419 RC3 .2200 FAU .09208 RRT -.0885 RRF .0815 RTF -.9030 CRT -.9447 CRS -.9877 CST .9829
 FDE -2.0653 FRA .3161 FC3-7.7999 BSP 4887 SGB 1532.6 R23 .0015 R13 .9030 LSA 1765.9 MSA 156.2 SSA 15.1
 BDE .5387 BRA .3945 BC3 1.4518 FSP -1609 SG1 1504.9 SG2 289.9 THA 178.98 EL1 988.4 EL2 77.6 ALF 166.46

LAUNCH DATE JUN 8 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 318.877

RL 151.84 LAL -.00 LOL 256.54 VL 26.702 GAL -.64 AZL 93.38 HCA 138.32 SMA 128.22 ECC .18459 INC 3.3840 V1 29.341
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.632 GAP -5.78 AZP 87.47 TAL 182.82 TAP 321.14 RCA 104.55 APO 151.89 V2 34.996
 RC 65.357 GL -29.95 GP -.12 ZAL 99.37 ZAP 34.51 ETS 359.35 ZAE 150.75 ETE 13.44 ZAC 85.23 ETC 13.47 CLP -34.51

PLANETOCENTRIC CONIC

C3 9.968 VHL 3.157 DLA -18.43 RAL 146.36 RAD 6567.4 VEL 11.461 PTH 1.99 VHP 4.315 DPA 2.77 RAP 181.60 ECC 1.1640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 35 1447.31 3.46 356.96 358.12 118.12 7 0 42 847.3 7.20 350.27
 90.00 13 29 46 5319.45 27.44 241.74 2.66 82.72 14 58 25 4719.4 26.15 233.32
 100.00 7 46 51 1220.55 2.44 339.72 357.55 119.80 8 7 12 620.5 6.38 333.16
 100.00 15 2 10 5021.45 28.60 219.63 2.47 80.92 16 25 52 4421.4 27.05 211.17
 110.00 8 30 59 1082.29 -.13 327.63 355.94 124.18 8 49 1 482.3 4.35 321.42
 110.00 16 34 32 4732.46 31.57 196.99 1.77 76.16 17 53 25 4132.5 29.35 188.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5012 TRA -.3677 TC3 1.4137 BAU .1905 SGT 1455.6 SGR 274.4 SG3 605.1 ST 934.2 SR 229.6 SS 1555.4
 RDE -.1259 RRA -.0382 RC3 .2111 FAU .10218 RRT -.0936 RRF .0860 RTF -.8996 CRT -.9471 CRS -.9893 CST .9821
 FDE -2.2955 FRA .2818 FC3-8.8744 BSP 4760 SGB 1481.3 R23 .0013 R13 .8996 LSA 1822.0 MSA 156.8 SSA 14.3
 BDE .5168 BRA .3697 BC3 1.4293 FSP -1828 SG1 1455.9 SG2 273.2 THA 178.95 EL1 959.3 EL2 71.8 ALF 166.82

LAUNCH DATE JUN 8 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 325.448

RL 151.84 LAL -.00 LOL 256.54 VL 26.750 GAL -.71 AZL 93.38 HCA 141.52 SMA 128.54 ECC .18169 INC 3.3828 V1 29.341
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.678 GAP -5.22 AZP 87.35 TAL 183.20 TAP 324.72 RCA 105.19 APO 151.90 V2 35.009
 RC 67.365 GL -30.36 GP -.13 ZAL 100.11 ZAP 38.22 ETS 359.38 ZAE 152.37 ETE 13.48 ZAC 85.72 ETC 13.49 CLP -38.22

PLANETOCENTRIC CONIC

C3 9.754 VHL 3.123 DLA -18.51 RAL 145.43 RAD 6567.4 VEL 11.452 PTH 1.99 VHP 4.063 DPA 2.96 RAP 181.14 ECC 1.1605
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 43 1439.84 3.70 356.54 356.95 118.09 6 57 43 839.8 7.43 349.85
 90.00 13 25 13 5318.30 27.43 241.66 1.43 82.68 14 53 51 4718.3 26.13 233.24
 100.00 7 43 54 1213.33 2.68 339.33 356.38 119.78 8 4 8 613.3 6.62 332.76
 100.00 14 57 43 5020.04 28.59 219.53 1.24 80.87 16 21 23 4420.0 27.03 211.08
 110.00 8 27 52 1075.58 .12 327.28 354.79 124.18 8 45 48 475.6 4.61 321.07
 110.00 16 30 14 4730.56 31.54 196.85 .55 76.09 17 49 5 4130.6 29.31 188.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4747 TRA -.3463 TC3 1.3650 BAU .1799 SGT 1390.8 SGR 257.2 SG3 679.7 ST 894.1 SR 215.1 SS 1646.1
 RDE -.1167 RRA -.0348 RC3 .2009 FAU .11369 RRT -.0963 RRF .0890 RTF -.8932 CRT -.9480 CRS -.9906 CST .9808
 FDE -2.5529 FRA .2466 FC-10.0906 BSP 4508 SGB 1414.3 R23 .0000 R13 .8932 LSA 1878.9 MSA 157.9 SSA 13.4
 BDE .4888 BRA .3480 BC3 1.3797 FSP -2060 SG1 1391.0 SG2 255.9 THA 178.94 EL1 917.2 EL2 66.8 ALF 167.08

LAUNCH DATE JUN 8 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 332.000

RL 151.84 LAL -.00 LOL 256.54 VL 26.793 GAL -.77 AZL 93.38 HCA 144.73 SMA 128.83 ECC .17917 INC 3.3814 V1 29.341
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.721 GAP -4.68 AZP 87.24 TAL 183.52 TAP 328.25 RCA 105.74 APO 151.91 V2 35.023
 RC 69.409 GL -30.71 GP -.15 ZAL 100.74 ZAP 42.20 ETS 359.42 ZAE 154.33 ETE 13.75 ZAC 86.48 ETC 13.52 CLP -42.20

PLANETOCENTRIC CONIC

C3 9.572 VHL 3.094 DLA -18.59 RAL 144.63 RAD 6567.3 VEL 11.444 PTH 1.99 VHP 3.831 DPA 3.26 RAP 180.42 ECC 1.1575
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 19 1433.13 3.92 356.17 355.95 118.07 6 55 12 833.1 7.64 349.47
 90.00 13 21 14 5317.60 27.43 241.61 .38 82.66 14 49 51 4717.6 26.12 233.19
 100.00 7 41 26 1206.87 2.90 338.97 355.38 119.76 8 1 33 606.9 6.84 332.40
 100.00 14 53 48 5019.09 28.58 219.46 .19 80.84 16 17 27 4419.1 27.02 211.01
 110.00 8 25 15 1069.59 .35 326.97 353.79 124.18 8 43 5 469.6 4.83 320.75
 110.00 16 26 28 4729.13 31.52 196.75 359.49 76.03 17 45 17 4129.1 29.28 188.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4397 TRA -.3278 TC3 1.2651 BAU .1637 SGT 1298.5 SGR 239.3 SG3 758.9 ST 837.0 SR 200.1 SS 1736.9
 RDE -.1076 RRA -.0315 RC3 .1895 FAU .12573 RRT -.0995 RRF .0921 RTF -.8802 CRT -.9469 CRS -.9916 CST .9784
 FDE -2.8303 FRA .2104 FC-11.3716 BSP 4199 SGB 1320.3 R23 -.0015 R13 .8802 LSA 1931.8 MSA 159.4 SSA 12.5
 BDE .4526 BRA .3293 BC3 1.2792 FSP -2321 SG1 1298.7 SG2 238.0 THA 178.91 EL1 858.3 EL2 62.8 ALF 167.17

LAUNCH DATE JUN 8 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 338.532

RL 151.84 LAL -1.00 LOL 256.54 VL 26.829 GAL -1.82 AZL 93.38 HCA 147.93 SMA 129.07 ECC .17701 INC 3.3798 V1 29.341
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.759 GAP -4.15 AZP 87.13 TAL 183.80 TAP 331.73 RCA 106.22 APO 151.92 V2 35.036
 RC 71.485 GL -31.02 GP -.18 ZAL 101.26 ZAP 46.46 ETS 359.48 ZAE 156.65 ETE 14.31 ZAC 87.51 ETC 13.56 CLP -46.46

PLANETOCENTRIC CONIC

C3 9.417 VHL 3.069 DLA -18.66 RAL 143.96 RAD 6567.3 VEL 11.437 PTH 1.98 VHP 3.621 DPA 3.67 RAP 179.45 ECC 1.1350
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 27 1426.92 4.12 355.82 355.11 118.04 6 53 14 826.9 7.84 349.11
 90.00 13 17 46 5317.41 27.42 241.60 359.49 82.65 14 46 23 4717.4 26.12 233.17
 100.00 7 39 30 1200.92 3.10 338.64 354.54 119.75 7 59 31 600.9 7.04 332.07
 100.00 14 50 24 5018.65 28.57 219.43 359.31 80.82 16 14 3 4418.7 27.01 210.98
 110.00 8 23 9 1064.11 .56 326.69 352.96 124.18 8 40 54 464.1 5.04 320.47
 110.00 16 23 14 4728.22 31.50 196.68 358.61 75.99 17 42 2 4128.2 29.26 188.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3996 TRA -.3104 TC3 1.1355 BAU .1447 SGT 1190.2 SGR 220.8 SG3 847.8 ST 768.5 SR 184.7 SS 1837.5
 RDE -.0985 RRA -.0285 RC3 .1767 FAU .13928 RRT -.1036 RRF .0961 RTF -.8611 CRT -.9442 CRS -.9925 CST .9749
 FDE-3.1427 FRA .1681 FC-12.8042 BSP 3832 SGB 1210.5 R23 -.0038 R13 .8611 LSA 1993.8 MSA 160.4 SSA 11.5
 BDE .4115 BRA .3117 BC3 1.1492 FSP -2615 SG1 1190.4 SG2 219.6 THA 178.86 EL1 788.2 EL2 59.3 ALF 167.14

LAUNCH DATE JUN 8 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 345.045

RL 151.84 LAL -1.00 LOL 256.54 VL 26.860 GAL -1.85 AZL 93.38 HCA 151.14 SMA 129.28 ECC .17518 INC 3.3777 V1 29.341
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.793 GAP -3.63 AZP 87.04 TAL 184.01 TAP 335.15 RCA 106.63 APO 151.92 V2 35.049
 RC 73.590 GL -31.29 GP -.20 ZAL 101.66 ZAP 51.02 ETS 359.56 ZAE 159.32 ETE 15.29 ZAC 88.82 ETC 13.63 CLP -51.02

PLANETOCENTRIC CONIC

C3 9.285 VHL 3.047 DLA -18.75 RAL 143.43 RAD 6567.3 VEL 11.431 PTH 1.98 VHP 3.433 DPA 4.20 RAP 178.20 ECC 1.1528
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 28 11 1420.97 4.31 355.48 354.43 118.01 6 51 52 821.0 8.02 348.78
 90.00 13 14 47 5317.86 27.43 241.63 358.78 82.67 14 43 25 4717.9 26.13 233.20
 100.00 7 38 9 1195.23 3.29 338.33 353.87 119.73 7 58 4 595.2 7.22 331.75
 100.00 14 47 31 5018.84 28.58 219.45 358.59 80.83 16 11 10 4418.8 27.01 210.99
 110.00 8 21 38 1058.93 .76 326.42 352.29 124.18 8 39 17 458.9 5.24 320.19
 110.00 16 20 30 4727.90 31.50 196.66 357.90 75.98 17 39 18 4127.9 29.25 188.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3480 TRA -.2981 TC3 .9506 BAU .1197 SGT 1055.5 SGR 201.8 SG3 939.5 ST 678.3 SR 169.0 SS 1933.3
 RDE -.0895 RRA -.0256 RC3 .1627 FAU .15317 RRT -.1058 RRF .0999 RTF -.8245 CRT -.9366 CRS -.9930 CST .9682
 FDE-3.4633 FRA .1358 FC-14.2818 BSP 3323 SGB 1074.6 R23 -.0094 R13 .8245 LSA 2049.4 MSA 162.0 SSA 10.5
 BDE .3593 BRA .2992 BC3 .9644 FSP -2913 SG1 1055.7 SG2 200.6 THA 178.80 EL1 696.6 EL2 57.7 ALF 166.77

LAUNCH DATE JUN 8 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 351.537

RL 151.84 LAL -1.00 LOL 256.54 VL 26.885 GAL -1.87 AZL 93.38 HCA 154.35 SMA 129.45 ECC .17365 INC 3.3753 V1 29.341
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.823 GAP -3.13 AZP 86.96 TAL 184.16 TAP 338.51 RCA 106.97 APO 151.93 V2 35.062
 RC 75.721 GL -31.51 GP -.24 ZAL 101.94 ZAP 55.86 ETS 359.65 ZAE 162.34 ETE 16.92 ZAC 90.42 ETC 13.71 CLP -55.86

PLANETOCENTRIC CONIC

C3 9.172 VHL 3.029 DLA -18.83 RAL 143.03 RAD 6567.3 VEL 11.426 PTH 1.98 VHP 3.268 DPA 4.43 RAP 176.69 ECC 1.1510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 33 1415.08 4.50 355.15 353.91 117.99 6 51 8 815.1 8.21 348.44
 90.00 13 12 16 5319.01 27.44 241.71 358.24 82.71 14 40 55 4719.0 26.14 233.28
 100.00 7 37 24 1189.63 3.48 338.02 353.35 119.71 7 57 14 589.6 7.41 331.44
 100.00 14 45 5 5019.68 28.58 219.51 358.05 80.86 16 8 45 4419.7 27.03 211.05
 110.00 8 20 44 1053.90 .95 326.15 351.77 124.17 8 38 18 453.9 5.43 319.93
 110.00 16 18 15 4728.19 31.50 196.68 357.36 75.99 17 37 4 4128.2 29.26 188.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2878 TRA -.2873 TC3 .7206 BAU .0902 SGT 903.7 SGR 182.4 SG3 1035.4 ST 571.2 SR 153.2 SS 2031.8
 RDE -.0806 RRA -.0229 RC3 .1468 FAU .16766 RRT -.1088 RRF .1076 RTF -.7583 CRT -.9217 CRS -.9935 CST .9558
 FDE-3.8000 FRA .1001 FC-15.8250 BSP 2750 SGB 921.9 R23 -.0217 R13 .7585 LSA 2109.8 MSA 163.1 SSA 9.4
 BDE .2988 BRA .2882 BC3 .7354 FSP -3243 SG1 903.9 SG2 181.2 THA 178.69 EL1 588.5 EL2 57.6 ALF 165.98

LAUNCH DATE JUN 8 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 358.010

RL 151.84 LAL -1.00 LOL 256.54 VL 26.906 GAL -1.88 AZL 93.37 HCA 157.56 SMA 129.59 ECC .17240 INC 3.3723 V1 29.341
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.850 GAP -2.65 AZP 86.88 TAL 184.25 TAP 341.81 RCA 107.25 APO 151.93 V2 35.075
 RC 77.874 GL -31.69 GP -.28 ZAL 102.11 ZAP 60.99 ETS 359.76 ZAE 165.66 ETE 19.68 ZAC 92.28 ETC 13.83 CLP -60.99

PLANETOCENTRIC CONIC

C3 9.075 VHL 3.013 DLA -18.93 RAL 142.77 RAD 6567.3 VEL 11.422 PTH 1.98 VHP 3.128 DPA 5.56 RAP 174.92 ECC 1.1494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 34 1409.08 4.69 354.82 353.56 117.96 6 51 3 809.1 8.39 348.10
 90.00 13 10 11 5320.90 27.45 241.85 357.86 82.77 14 38 52 4720.9 26.17 233.42
 100.00 7 37 20 1183.97 3.67 337.71 353.00 119.69 7 57 4 584.0 7.60 331.12
 100.00 14 43 6 5021.24 28.60 219.62 357.67 80.92 16 6 48 4421.2 27.05 211.16
 110.00 8 20 27 1048.86 1.14 325.89 351.42 124.17 8 37 56 448.9 5.62 319.66
 110.00 16 16 29 4729.11 31.52 196.75 356.99 76.03 17 35 18 4129.1 29.28 188.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2166 TRA -.2810 TC3 .4330 BAU .0548 SGT 746.4 SGR 162.6 SG3 1129.4 ST 445.6 SR 137.5 SS 2126.6
 RDE -.0720 RRA -.0202 RC3 .1287 FAU .18165 RRT -.1088 RRF .1226 RTF -.6207 CRT -.8868 CRS -.9939 CST .9270
 FDE-4.1344 FRA .0819 FC-17.3287 BSP 2010 SGB 763.9 R23 -.0520 R13 .6210 LSA 2170.8 MSA 164.7 SSA 8.4
 BDE .2283 BRA .2818 BC3 .4517 FSP -3544 SG1 746.6 SG2 161.6 THA 178.58 EL1 462.3 EL2 61.3 ALF 164.41

LAUNCH DATE JUN 8 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 364.462

RL 151.84 LAL -.00 LOL 256.54 VL 26.922 GAL -.88 AZL 93.37 HCA 160.78 SMA 129.70 ECC .17142 INC 3.3682 V1 29.341
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.873 GAP -2.17 AZP 86.82 TAL 184.27 TAP 345.05 RCA 107.47 APO 151.93 V2 35.088
 RC 80.046 GL -31.83 GP -.34 ZAL 102.15 ZAP 66.35 ETS 359.88 ZAE 169.20 ETE 24.71 ZAC 94.38 ETC 13.97 CLP -66.35

PLANETOCENTRIC CONIC

C3 8.991 VHL 2.999 DLA -19.04 RAL 142.65 RAD 6567.3 VEL 11.418 PTH 1.98 VHP 3.012 DPA 6.37 RAP 172.91 ECC 1.1480
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 28 16 1402.89 4.88 354.47 353.36 117.93 6 51 39 802.9 8.58 347.74
 90.00 13 8 32 5323.51 27.48 242.04 357.64 82.87 14 37 15 4723.5 26.20 233.60
 100.00 7 37 54 1178.16 3.87 337.39 352.80 119.66 7 57 33 578.2 7.79 330.80
 100.00 14 41 34 5023.47 28.63 219.78 357.46 81.00 16 5 18 4423.5 27.08 211.32
 110.00 8 20 48 1043.76 1.34 325.62 351.22 124.16 8 38 12 443.8 5.81 319.39
 110.00 16 15 10 4730.64 31.54 196.86 356.78 76.09 17 34 1 4130.6 29.31 188.36

DIFFERENTIAL CORRECTIONS

TDE .1354 TRA -.2766 TC3 .0967 BAU .0174
 RDE -.0639 RRA -.0176 RC3 .1076 FAU .19485
 FDE -4.4528 FRA .0732 FC-18.7607 BSP 1194
 BDE .1497 BRA .2772 BC3 .1446 FSP -3857

MID-COURSE EXECUTION ACCURACY

SGT 618.9 SGR 142.6 SG3 1218.8
 RRT -.0895 RRF .1526 RTF -.3364
 SGB 635.1 R23 -.1214 R13 .3370
 SG1 619.0 SG2 142.0 THA 178.75

ORBIT DETERMINATION ACCURACY

ST 308.4 SR 122.5 SS 2215.7
 CRT -.7882 CRS -.9942 CST .8415
 LSA 2234.2 MSA 165.9 SSA 7.3
 EL1 324.0 EL2 71.8 ALF 161.68

LAUNCH DATE JUN 8 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 370.894

RL 151.84 LAL -.00 LOL 256.54 VL 26.934 GAL -.87 AZL 93.36 HCA 164.00 SMA 129.78 ECC .17067 INC 3.3626 V1 29.341
 RP 107.96 LAP -.93 LOP 60.56 VP 37.894 GAP -1.71 AZP 86.77 TAL 184.22 TAP 348.22 RCA 107.63 APO 151.93 V2 35.101
 RC 82.236 GL -31.94 GP -.42 ZAL 102.08 ZAP 71.91 ETS .01 ZAE 172.81 ETE 35.49 ZAC 96.67 ETC 14.14 CLP -71.91

PLANETOCENTRIC CONIC

C3 8.918 VHL 2.986 DLA -19.16 RAL 142.67 RAD 6567.3 VEL 11.415 PTH 1.98 VHP 2.921 DPA 7.23 RAP 170.71 ECC 1.1468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 38 1396.50 5.09 354.11 353.31 117.89 6 52 54 796.5 8.78 347.38
 90.00 13 7 19 5326.74 27.50 242.27 357.59 82.98 14 36 6 4726.7 26.24 233.83
 100.00 7 39 9 1172.18 4.07 337.06 352.75 119.64 7 58 41 572.2 7.98 330.46
 100.00 14 40 29 5026.29 28.66 219.98 357.40 81.10 16 4 16 4426.3 27.13 211.51
 110.00 8 21 47 1038.56 1.54 325.35 351.18 124.15 8 39 6 438.6 6.01 319.12
 110.00 16 14 20 4732.67 31.58 197.01 356.73 76.17 17 33 13 4132.7 29.35 188.51

DIFFERENTIAL CORRECTIONS

TDE .0437 TRA -.2746 TC3 -.2911 BAU .0361
 RDE -.0564 RRA -.0151 RC3 .0824 FAU .20592
 FDE -4.7253 FRA .0867 FC-19.9906 BSP 252
 BDE .0713 BRA .2750 BC3 .3025 FSP -4107

MID-COURSE EXECUTION ACCURACY

SGT 590.1 SGR 122.7 SG3 1295.4
 RRT -.0074 RRF .2110 RTF .1376
 SGB 602.8 R23 -.2121 R13 -.1376
 SG1 590.1 SG2 122.7 THA 179.91

ORBIT DETERMINATION ACCURACY

ST 187.2 SR 108.6 SS 2289.9
 CRT -.3708 CRS -.9945 CST .4515
 LSA 2294.0 MSA 167.2 SSA 6.2
 EL1 193.1 EL2 97.8 ALF 163.52

LAUNCH DATE JUN 8 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 377.306

RL 151.84 LAL -.00 LOL 256.54 VL 26.942 GAL -.84 AZL 93.35 HCA 167.22 SMA 129.84 ECC .17014 INC 3.3542 V1 29.341
 RP 107.92 LAP -.74 LOP 63.78 VP 37.911 GAP -1.26 AZP 86.73 TAL 184.11 TAP 351.33 RCA 107.75 APO 151.92 V2 35.113
 RC 84.440 GL -31.99 GP -.54 ZAL 101.88 ZAP 77.60 ETS .13 ZAE 175.83 ETE 65.62 ZAC 99.09 ETC 14.34 CLP -77.60

PLANETOCENTRIC CONIC

C3 8.851 VHL 2.975 DLA -19.28 RAL 142.83 RAD 6567.3 VEL 11.412 PTH 1.98 VHP 2.856 DPA 8.09 RAP 168.38 ECC 1.1457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 37 1390.07 5.29 353.75 353.42 117.86 6 54 47 790.1 8.98 347.01
 90.00 13 6 37 5330.28 27.53 242.52 357.68 83.10 14 35 27 4730.3 26.29 234.08
 100.00 7 40 59 1166.19 4.27 336.73 352.86 119.61 8 0 25 566.2 8.18 330.13
 100.00 14 39 56 5029.39 28.69 220.21 357.50 81.22 16 3 45 4429.4 27.18 211.73
 110.00 8 23 22 1033.38 1.74 325.08 351.28 124.14 8 40 36 433.4 6.20 318.85
 110.00 16 14 2 4734.97 31.61 197.18 356.83 76.26 17 32 57 4135.0 29.40 188.67

DIFFERENTIAL CORRECTIONS

TDE -.0559 TRA -.2730 TC3 -.7186 BAU .0852
 RDE -.0500 RRA -.0125 RC3 .0512 FAU .21456
 FDE -4.9431 FRA .1189 FC-20.9866 BSP 809
 BDE .0751 BRA .2733 BC3 .7204 FSP -4299

MID-COURSE EXECUTION ACCURACY

SGT 710.4 SGR 104.2 SG3 1356.8
 RRT .1560 RRF .3242 RTF .5584
 SGB 718.0 R23 .2382 R13 .5592
 SG1 710.6 SG2 102.9 THA 1.34

ORBIT DETERMINATION ACCURACY

ST 199.2 SR 96.7 SS 2350.8
 CRT .6048 CRS -.9950 CST -.5365
 LSA 2355.2 MSA 168.2 SSA 5.1
 EL1 208.9 EL2 73.4 ALF 18.75

LAUNCH DATE JUN 8 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 383.699

RL 151.84 LAL -.00 LOL 256.54 VL 26.946 GAL -.80 AZL 93.34 HCA 170.44 SMA 129.87 ECC .16981 INC 3.3401 V1 29.341
 RP 107.89 LAP -.55 LOP 66.99 VP 37.925 GAP -.82 AZP 86.71 TAL 183.93 TAP 354.37 RCA 107.81 APO 151.92 V2 35.125
 RC 86.655 GL -31.99 GP -.73 ZAL 101.58 ZAP 83.34 ETS .25 ZAE 175.81 ETE 126.89 ZAC 101.58 ETC 14.54 CLP -83.34

PLANETOCENTRIC CONIC

C3 8.786 VHL 2.964 DLA -19.39 RAL 143.14 RAD 6567.3 VEL 11.409 PTH 1.97 VHP 2.816 DPA 8.89 RAP 165.95 ECC 1.1446
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 2 1384.23 5.48 353.42 353.67 117.83 6 57 6 784.2 9.16 346.68
 90.00 13 6 40 5333.29 27.56 242.74 357.92 83.21 14 35 33 4733.3 26.33 234.29
 100.00 7 43 17 1160.74 4.45 336.43 353.11 119.59 8 2 38 560.7 8.36 329.82
 100.00 14 40 5 5032.01 28.71 220.40 357.74 81.31 16 3 57 4432.0 27.22 211.92
 110.00 8 25 26 1028.65 1.92 324.84 351.53 124.14 8 42 35 428.6 6.38 318.60
 110.00 16 14 26 4736.87 31.64 197.31 357.07 76.34 17 33 22 4136.9 29.44 188.80

DIFFERENTIAL CORRECTIONS

TDE -.1611 TRA -.2707 TC3 -1.1772 BAU .1383
 RDE -.0456 RRA -.0098 RC3 .0107 FAU .22015
 FDE -5.0905 FRA .1746 FC-21.6942 BSP 1897
 BDE .1674 BRA .2709 BC3 1.1772 FSP -4439

MID-COURSE EXECUTION ACCURACY

SGT 944.2 SGR 90.6 SG3 1399.4
 RRT .3985 RRF .5304 RTF .7741
 SGB 948.6 R23 .2394 R13 .7749
 SG1 944.9 SG2 83.0 THA 2.21

ORBIT DETERMINATION ACCURACY

ST 353.6 SR 88.3 SS 2395.9
 CRT .9101 CRS -.9960 CST -.8768
 LSA 2417.5 MSA 168.7 SSA 4.0
 EL1 362.7 EL2 35.7 ALF 12.94

LAUNCH DATE JUN 8 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 390.072

RL 151.84 LAL -.00 LOL 256.54 VL 26.947 GAL -.75 AZL 93.31 MCA 173.66 SMA 129.87 ECC .16969 INC 3.3123 V1 29.341
 RP 107.85 LAP -.37 LOP 70.21 VP 37.937 GAP -.38 AZP 86.71 TAL 183.69 TAP 357.36 RCA 107.83 APO 151.91 V2 35.137
 RC 88.880 GL -31.85 GP -1.11 ZAL 101.17 ZAP 89.05 ETS .33 ZAE 172.72 ETE 158.18 ZAC 104.08 ETC 14.70 CLP -89.05

PLANETOCENTRIC CONIC

C3 8.708 VHL 2.951 DLA -19.43 RAL 143.62 RAD 6567.3 VEL 11.406 PTH 1.97 VHP 2.800 DPA 9.49 RAP 163.48 ECC 1.1433
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 21 1381.01 5.58 353.24 354.06 117.81 6 59 22 781.0 9.26 346.49
 90.00 13 8 10 5333.11 27.56 242.73 358.28 83.20 14 37 3 4733.1 26.33 234.28
 100.00 7 45 34 1157.66 4.56 336.26 353.50 119.57 8 4 51 557.7 8.46 329.65
 100.00 14 41 38 5031.70 28.71 220.38 358.11 81.30 16 5 30 4431.7 27.21 211.90
 110.00 8 27 38 1025.82 2.03 324.69 351.92 124.13 8 44 44 425.8 6.49 318.45
 110.00 16 16 3 4736.30 31.64 197.27 357.44 76.32 17 34 59 4136.3 29.43 188.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.2690 TRA -.2664 TC3-1.6626 BAU .1936 SGT 1239.5 SGR 93.5 SG3 1419.3 ST 548.5 SR .88.0 SS 2419.2
 RDE -.0453 RRA -.0066 RC3 -.0488 FAU .22204 RRT .7044 RRF .8117 RTF .8700 CRT .9658 CRS -.9976 CST -.9489
 FDE-5.1454 FRA .2553 FC-22.0758 BSP 3035 SGB 1243.1 R23 .2776 R13 .8708 LSA 2476.4 MSA 169.2 SSA 2.9
 BDE .2728 BRA .2665 BC3 1.6633 FSP -4505 SG1 1241.3 SG2 66.2 THA 3.05 EL1 555.0 EL2 22.6 ALF 8.82

LAUNCH DATE JUN 8 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 396.424

RL 151.84 LAL -.00 LOL 256.54 VL 26.945 GAL -.69 AZL 93.23 MCA 176.89 SMA 129.86 ECC .16974 INC 3.2262 V1 29.341
 RP 107.82 LAP -.17 LOP 73.43 VP 37.946 GAP .04 AZP 86.78 TAL 183.39 TAP .28 RCA 107.82 APO 151.90 V2 35.149
 RC 91.113 GL -31.26 GP -2.25 ZAL 100.69 ZAP 94.64 ETS .27 ZAE 169.00 ETE 173.14 ZAC 106.65 ETC 14.63 CLP -94.65

PLANETOCENTRIC CONIC

C3 8.550 VHL 2.924 DLA -19.09 RAL 144.40 RAD 6567.3 VEL 11.399 PTH 1.97 VHP 2.809 DPA 9.31 RAP 160.82 ECC 1.1407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 35 45 1391.32 5.25 353.82 354.53 117.87 6 58 56 791.3 8.94 347.08
 90.00 13 14 57 5315.87 27.41 241.49 358.67 82.60 14 43 33 4715.9 26.10 233.06
 100.00 7 45 20 1166.76 4.25 336.76 353.98 119.62 8 4 47 566.8 8.16 330.16
 100.00 14 48 3 5015.67 28.54 219.22 358.49 80.71 16 11 39 4415.7 26.96 210.77
 110.00 8 28 8 1032.68 1.76 325.05 352.43 124.14 8 45 20 432.7 6.23 318.81
 110.00 16 21 45 4722.52 31.41 196.26 357.80 75.76 17 40 27 4122.5 29.13 187.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.3688 TRA -.2534 TC3-2.1703 BAU .2489 SGT 1552.2 SGR 156.5 SG3 1412.9 ST 740.6 SR 116.7 SS 2393.3
 RDE -.0595 RRA -.0016 RC3 -.1784 FAU .22005 RRT .8990 RRF .9789 RTF .9156 CRT .9785 CRS -.9994 CST -.9716
 FDE-5.0271 FRA .3806 FC-22.2810 BSP 4135 SGB 1560.1 R23 .3521 R13 .9170 LSA 2502.4 MSA 167.8 SSA 1.7
 BDE .3736 BRA .2534 BC3 2.1776 FSP -4461 SG1 1558.6 SG2 68.3 THA 5.19 EL1 749.4 EL2 23.8 ALF 8.77

LAUNCH DATE JUN 8 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 402.756

RL 151.84 LAL -.00 LOL 256.54 VL 26.940 GAL -.62 AZL 97.75 MCA 180.12 SMA 129.82 ECC .16996 INC 4.6226 V1 29.341
 RP 107.78 LAP .02 LOP 76.66 VP 37.952 GAP .46 AZP 82.25 TAL 183.02 TAP 3.14 RCA 107.76 APO 151.89 V2 35.160
 RC 93.352 GL -55.04 GP 44.24 ZAL 96.58 ZAP 96.92 ETS 7.61 ZAE 130.63 ETE 110.17 ZAC 92.75 ETC 23.79 CLP -99.68

PLANETOCENTRIC CONIC

C3 19.659 VHL 4.434 DLA -40.96 RAL 133.46 RAD 6567.8 VEL 11.876 PTH 2.11 VHP 4.114 DPA 51.71 RAP 184.25 ECC 1.3235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.07 5 45 40 1529.65 27.80 17.30 6.03 121.38 6 11 10 929.7 31.74 9.68
 120.93 12 37 45 5534.97 27.82 257.27 6.04 121.37 14 10 0 4935.0 31.75 249.65
 59.07 5 45 40 1529.65 27.80 17.30 6.03 121.38 6 11 10 929.7 31.74 9.68
 120.93 12 37 45 5534.97 27.82 257.27 6.04 121.37 14 10 0 4935.0 31.75 249.65
 59.07 5 45 40 1529.65 27.80 17.30 6.03 121.38 6 11 10 929.7 31.74 9.68
 120.93 12 37 45 5534.97 27.82 257.27 6.04 121.37 14 10 0 4935.0 31.75 249.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE25.6346 TRA27.8806 TC355.9177 BAU15.0024 SGT76370.4 SGR16024.7 SG3 7480.8 ST 36116.7 SR 7981.6 SS 14948.7
 RDE-5.7254 RRA-5.8026 RC-11.4700 FA-1.41619 RRT -.9995 RRF -.9999 RTF .9998 CRT -.9997 CRS .9999 CST -.9999
 FDE29.9864 FRA31.6670 FC362.3656 BSP 686265 SGB78033.5 R23 .0154 R13 -.9999 LSA39894.0 MSA 237.3 SSA 8.0
 BDE26.2662 BRA28.4781 BC357.0819 FSP 63843 SG178031.9 SG2 500.5 THA 168.15 EL136987.6 EL2 196.7 ALF 167.54

LAUNCH DATE JUN 8 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 409.078

RL 151.84 LAL -.00 LOL 256.54 VL 26.932 GAL -.53 AZL 93.55 MCA 183.35 SMA 129.77 ECC .17035 INC 3.5422 V1 29.341
 RP 107.75 LAP .21 LOP 79.88 VP 37.957 GAP .86 AZP 86.46 TAL 182.59 TAP 5.94 RCA 107.66 APO 151.88 V2 35.170
 RC 95.596 GL -33.64 GP 2.02 ZAL 98.92 ZAP 105.21 ETS 1.24 ZAE 160.53 ETE 165.39 ZAC 109.52 ETC 16.56 CLP -105.22

PLANETOCENTRIC CONIC

C3 9.050 VHL 3.008 DLA -21.87 RAL 144.91 RAD 6567.3 VEL 11.421 PTH 1.98 VHP 2.886 DPA 14.78 RAP 158.50 ECC 1.1489
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 10 27 1282.37 8.68 347.65 356.60 117.06 7 31 49 682.4 12.24 340.78
 90.00 12 44 21 5446.51 28.20 250.96 1.02 87.28 14 15 7 4846.5 27.52 242.36
 100.00 8 16 22 1069.61 7.49 331.37 355.97 119.02 8 34 12 469.6 11.31 324.66
 100.00 14 21 6 5134.50 29.54 227.90 .92 85.18 15 46 41 4534.5 28.56 219.24
 110.00 8 52 28 956.45 4.67 321.06 354.23 123.90 9 8 25 356.4 9.09 314.76
 110.00 16 1 30 4820.43 32.82 203.55 .41 79.86 17 21 50 4220.4 31.07 194.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE -.6176 TRA -.2248 TC3-2.8294 BAU .3425 SGT 2119.9 SGR 96.8 SG3 1266.2 ST 1185.4 SR 73.3 SS 2368.7
 RDE .0384 RRA -.0053 RC3 .1037 FAU .19224 RRT -.9125 RRF -.9880 RTF .9422 CRT -.9868 CRS .9999 CST -.9862
 FDE-4.9788 FRA .7581 FC-18.3912 BSP 5717 SGB 2122.2 R23 .3127 R13 -.9424 LSA 2643.9 MSA 176.0 SSA .8
 BDE .6187 BRA .2249 BC3 2.8313 FSP -3604 SG1 2121.8 SG2 39.6 THA 177.61 EL1 1187.6 EL2 11.9 ALF 176.51

LAUNCH DATE JUN 8 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 415.369

RL 151.84 LAL -.00 LOL 256.54 VL 26.922 GAL -.43 AZL 93.47 HCA 186.58 SMA 129.70 ECC .17089 INC 3.4714 V1 29.341
 RP 107.72 LAP .40 LOP 83.11 VP 37.959 GAP 1.27 AZP 86.55 TAL 182.11 TAP 8.69 RCA 107.54 APO 151.87 V2 35.180
 RC 97.843 GL -33.07 GP 1.00 ZAL 98.11 ZAP 110.12 ETS 1.16 ZAE 157.29 ETE 170.79 ZAC 111.41 ETC 16.50 CLP-110.13

PLANETOCENTRIC CONIC

C3 8.928 VHL 2.988 DLA -21.69 RAL 146.02 RAD 6567.3 VEL 11.416 PTH 1.98 VHP 2.950 DPA 14.43 RAP 156.51 ECC 1.1469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 12 34 1288.12 8.50 347.97 357.49 117.11 7 34 2 688.1 12.07 341.11
 90.00 12 51 5 5435.57 28.16 250.16 1.87 86.88 14 21 41 4835.6 27.43 241.57
 100.00 8 18 47 1074.42 7.33 331.64 356.86 119.06 8 36 41 474.4 11.15 324.94
 100.00 14 27 34 5124.49 29.48 227.17 1.76 84.79 15 52 58 4524.5 28.44 218.52
 110.00 8 55 23 959.69 4.54 321.23 355.14 123.92 9 11 23 359.7 8.97 314.93
 110.00 16 7 27 4811.99 32.72 202.91 1.23 79.49 17 27 39 4212.0 30.92 194.15

DIFFERENTIAL CORRECTIONS

TDE -.7417 TRA -.2316 TC3-3.4074 BAU .4067
 RDE .0249 RRA .0014 RC3 -.0001 FAU .19746
 FDE -5.0246 FRA .5835 FC-19.1474 BSP 7403
 BDE .7421 BRA .2317 BC3 3.4074 FSP -4065

MID-COURSE EXECUTION ACCURACY

SGT 2529.3 SGR 47.9 SG3 1296.6
 RRT -.5709 RRF -.6349 RTF .9597
 SGB 2529.8 R23 .1058 R13 -.9597
 SG1 2529.5 SG2 39.3 THA 179.38

ORBIT DETERMINATION ACCURACY

ST 1430.7 SR 47.8 SS 2459.3
 CRT -.9957 CRS .9979 CST -.9905
 LSA 2840.5 MSA 170.5 SSA 1.9
 EL1 1430.7 EL2 4.5 ALF 178.09

LAUNCH DATE JUN 8 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 421.644

RL 151.84 LAL -.00 LOL 256.54 VL 26.910 GAL -.33 AZL 93.45 HCA 189.82 SMA 129.62 ECC .17158 INC 3.4457 V1 29.341
 RP 107.69 LAP .59 LOP 86.34 VP 37.959 GAP 1.66 AZP 86.60 TAL 181.57 TAP 11.39 RCA 107.38 APO 151.86 V2 35.190
 RC 100.092 GL -32.83 GP .66 ZAL 97.12 ZAP 114.72 ETS 1.17 ZAE 154.09 ETE 173.32 ZAC 112.81 ETC 16.61 CLP-114.72

PLANETOCENTRIC CONIC

C3 8.902 VHL 2.984 DLA -21.87 RAL 147.12 RAD 6567.3 VEL 11.415 PTH 1.98 VHP 3.032 DPA 14.58 RAP 155.06 ECC 1.1465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 19 14 1279.30 8.77 347.47 358.62 117.03 7 40 34 679.3 12.33 340.60
 90.00 12 53 11 5443.25 28.19 250.72 2.98 87.16 14 23 54 4843.2 27.49 242.12
 100.00 8 25 10 1066.53 7.59 331.20 357.99 119.00 8 42 56 466.5 11.41 324.48
 100.00 14 29 57 5131.25 29.52 227.66 2.88 85.05 15 55 28 4531.2 28.52 219.00
 110.00 9 1 16 953.34 4.79 320.89 356.26 123.89 9 17 10 353.3 9.20 314.59
 110.00 16 10 20 4817.20 32.78 203.30 2.37 79.72 17 30 37 4217.2 31.01 194.53

DIFFERENTIAL CORRECTIONS

TDE -.8479 TRA -.2102 TC3-3.8357 BAU .4565
 RDE .0240 RRA .0055 RC3 -.0615 FAU .18862
 FDE -4.8315 FRA .6636 FC-18.3446 BSP 8464
 BDE .8483 BRA .2103 BC3 3.8362 FSP -3932

MID-COURSE EXECUTION ACCURACY

SGT 2842.4 SGR 59.9 SG3 1245.5
 RRT .0245 RRF -.0110 RTF .9656
 SGB 2843.0 R23 -.0347 R13 .9656
 SG1 2842.4 SG2 59.9 THA .03

ORBIT DETERMINATION ACCURACY

ST 1635.0 SR 46.1 SS 2434.2
 CRT -.9978 CRS .9913 CST -.9923
 LSA 2927.8 MSA 168.8 SSA 3.0
 EL1 1635.6 EL2 3.0 ALF 178.39

LAUNCH DATE JUN 8 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 427.901

RL 151.84 LAL -.00 LOL 256.54 VL 26.895 GAL -.20 AZL 93.43 HCA 193.05 SMA 129.52 ECC .17242 INC 3.4326 V1 29.341
 RP 107.66 LAP .78 LOP 89.57 VP 37.958 GAP 2.05 AZP 86.66 TAL 180.98 TAP 14.03 RCA 107.19 APO 151.85 V2 35.199
 RC 102.344 GL -32.65 GP .48 ZAL 96.02 ZAP 119.01 ETS 1.19 ZAE 151.12 ETE 174.89 ZAC 113.88 ETC 16.74 CLP-119.01

PLANETOCENTRIC CONIC

C3 8.909 VHL 2.985 DLA -22.15 RAL 148.30 RAD 6567.3 VEL 11.415 PTH 1.98 VHP 3.127 DPA 14.78 RAP 153.98 ECC 1.1466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 27 42 1266.02 9.18 346.71 359.92 116.90 7 48 48 666.0 12.72 339.82
 90.00 12 54 10 5456.84 28.23 251.71 4.28 87.66 14 25 7 4856.8 27.60 243.10
 100.00 8 33 8 1054.79 7.98 330.54 359.28 118.90 8 50 43 454.8 11.78 323.81
 100.00 14 31 24 5143.30 29.59 228.55 4.19 85.52 15 57 8 4543.3 28.65 219.88
 110.00 9 8 26 944.16 5.13 320.41 357.53 123.84 9 24 10 344.2 9.54 314.10
 110.00 16 12 36 4826.69 32.89 204.02 3.70 80.13 17 33 3 4226.7 31.18 195.22

DIFFERENTIAL CORRECTIONS

TDE -.9524 TRA -.1844 TC3-4.2297 BAU .5039
 RDE .0266 RRA .0096 RC3 -.1082 FAU .17905
 FDE -4.6298 FRA .7334 FC-17.3992 BSP 9485
 BDE .9528 BRA .1846 BC3 4.2311 FSP -3787

MID-COURSE EXECUTION ACCURACY

SGT 3140.7 SGR 84.7 SG3 1188.4
 RRT .2341 RRF .2128 RTF .9698
 SGB 3141.8 R23 -.0148 R13 .9698
 SG1 3140.7 SG2 82.3 THA .36

ORBIT DETERMINATION ACCURACY

ST 1833.4 SR 51.4 SS 2405.5
 CRT -.9954 CRS .9834 CST -.9935
 LSA 3020.4 MSA 166.2 SSA 4.2
 EL1 1834.1 EL2 4.9 ALF 178.40

LAUNCH DATE JUN 8 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 434.138

RL 151.84 LAL -.00 LOL 256.54 VL 26.879 GAL -.07 AZL 93.42 HCA 196.29 SMA 129.41 ECC .17340 INC 3.4248 V1 29.341
 RP 107.63 LAP .96 LOP 92.80 VP 37.954 GAP 2.44 AZP 86.71 TAL 180.34 TAP 16.63 RCA 106.97 APO 151.85 V2 35.208
 RC 104.596 GL -32.49 GP .37 ZAL 94.81 ZAP 122.99 ETS 1.21 ZAE 148.39 ETE 175.99 ZAC 114.62 ETC 16.83 CLP-123.00

PLANETOCENTRIC CONIC

C3 8.939 VHL 2.990 DLA -22.50 RAL 149.59 RAD 6567.3 VEL 11.416 PTH 1.98 VHP 3.234 DPA 14.93 RAP 153.22 ECC 1.1471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 37 24 1250.31 9.67 345.81 1.39 116.75 7 58 14 650.3 13.18 338.89
 90.00 12 54 44 5473.83 28.27 252.95 5.73 88.28 14 25 58 4873.8 27.73 244.33
 100.00 8 42 14 1041.03 8.43 329.77 .73 118.78 8 59 35 441.0 12.21 323.02
 100.00 14 32 35 5158.33 29.66 229.67 5.65 86.10 15 58 33 4558.3 28.80 220.97
 110.00 9 16 30 933.59 5.53 319.85 358.96 123.79 9 32 4 333.6 9.94 313.53
 110.00 16 14 48 4838.54 33.03 204.92 5.19 80.64 17 35 26 4238.5 31.38 196.08

DIFFERENTIAL CORRECTIONS

TDE -1.0543 TRA -.1560 TC3-4.5784 BAU .5474
 RDE .0307 RRA .0139 RC3 -.1478 FAU .16773
 FDE -4.4135 FRA .7829 FC-16.2450 BSP 10565
 BDE 1.0547 BRA .1566 BC3 4.5808 FSP -3681

MID-COURSE EXECUTION ACCURACY

SGT 3417.8 SGR 110.0 SG3 1121.6
 RRT .3023 RRF .2850 RTF .9726
 SGB 3419.6 R23 -.0098 R13 .9726
 SG1 3418.0 SG2 104.9 THA .56

ORBIT DETERMINATION ACCURACY

ST 2024.4 SR 59.6 SS 2368.3
 CRT -.9917 CRS .9764 CST -.9944
 LSA 3111.9 MSA 162.7 SSA 5.4
 EL1 2025.3 EL2 7.7 ALF 178.33

LAUNCH DATE JUN 8 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 440.357

RL 151.84 LAL -.00 LOL 256.54 VL 26.861 GAL .07 AZL 93.42 HCA 199.53 SMA 129.28 ECC .17452 INC 3.4194 V1 29.341
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.948 GAP 2.82 AZP 86.78 TAL 179.65 TAP 19.18 RCA 106.72 APO 151.85 V2 35.216
 RC 106.849 GL -32.30 GP .30 ZAL 93.49 ZAP 126.69 ETS 1.22 ZAE 145.92 ETE 176.81 ZAC 115.08 ETC 16.88 CLP-126.69

PLANETOCENTRIC CONIC

C3 8.988 VHL 2.998 OLA -22.87 RAL 150.98 RAD 6567.3 VEL 11.418 PTH 1.98 VHP 3.351 DPA 15.02 RAP 152.75 ECC 1.1479
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 48 9 1232.88 10.20 344.80 3.01 116.56 8 8 42 632.9 13.68 337.86
 90.00 12 55 6 5493.38 28.30 254.38 7.34 88.99 14 26 39 4893.4 27.86 245.75
 100.00 8 52 16 1025.92 8.93 328.92 2.33 118.65 9 9 22 425.9 12.68 322.15
 100.00 14 33 40 5175.58 29.73 230.94 7.28 86.77 15 59 56 4575.6 28.97 222.22
 110.00 9 25 22 922.15 5.97 319.25 .53 123.72 9 40 44 322.2 10.36 312.91
 110.00 16 17 4 4852.11 33.17 205.95 6.85 81.24 17 37 56 4252.1 31.61 197.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1432 TRA -.1127 TC3-4.8470 BAU .5828 SGT 3643.4 SGR 134.5 SG3 1038.3 ST 2187.6 SR 69.7 SS 2292.0
 RDE .0359 RRA .0184 RC3 -.1821 FAU .15362 RRT .3235 RRF .3078 RTF .9730 CRT -.9874 CRS .9692 CST -.9948
 FDE-4.1302 FRA .8880 FC-14.7964 BSP 11091 SGB 3645.9 R23 -.0077 R13 .9730 LSA 3165.1 MSA 162.0 SSA 6.5
 BDE 1.1437 BRA .1142 BC3 4.8504 FSP -3282 SG1 3643.7 SG2 127.3 THA .69 EL1 2188.7 EL2 11.0 ALF 178.20

LAUNCH DATE JUN 8 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 446.558

RL 151.84 LAL -.00 LOL 256.54 VL 26.841 GAL .23 AZL 93.42 HCA 202.77 SMA 129.15 ECC .17578 INC 3.4155 V1 29.341
 RP 107.59 LAP 1.32 LOP -99.27 VP 37.941 GAP 3.20 AZP 86.85 TAL 178.91 TAP 21.68 RCA 106.45 APO 151.85 V2 35.223
 RC 109.101 GL -32.10 GP .25 ZAL 92.06 ZAP 130.11 ETS 1.21 ZAE 143.70 ETE 177.45 ZAC 115.27 ETC 16.89 CLP-130.11

PLANETOCENTRIC CONIC

C3 9.058 VHL 3.010 OLA -23.28 RAL 152.49 RAD 6567.3 VEL 11.421 PTH 1.98 VHP 3.477 DPA 15.03 RAP 152.55 ECC 1.1491
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 59 56 1213.98 10.77 343.71 4.79 116.35 8 20 10 614.0 14.23 336.74
 90.00 12 55 22 5515.26 28.32 255.98 9.09 89.80 14 27 17 4915.3 27.99 247.33
 100.00 9 3 13 1009.71 9.45 328.01 4.10 118.49 9 20 2 409.7 13.19 321.21
 100.00 14 34 46 5194.76 29.80 232.36 9.05 87.51 16 1 21 4594.8 29.14 223.62
 110.00 9 34 59 910.11 6.42 318.62 2.25 123.65 9 50 9 310.1 10.80 312.26
 110.00 16 19 29 4867.13 33.32 207.10 8.67 81.90 17 40 36 4267.1 31.85 198.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2338 TRA -.0594 TC3-5.1213 BAU .6207 SGT 3877.5 SGR 157.9 SG3 975.7 ST 2350.9 SR 80.9 SS 2238.5
 RDE .0418 RRA .0233 RC3 -.2119 FAU .14356 RRT .3276 RRF .3157 RTF .9738 CRT -.9828 CRS .9624 CST -.9951
 FDE-3.8986 FRA .9913 FC-13.7215 BSP 11860 SGB 3880.7 R23 -.0041 R13 .9738 LSA 3243.2 MSA 160.8 SSA 7.7
 BDE 1.2345 BRA .0639 BC3 5.1257 FSP -3090 SG1 3877.8 SG2 149.1 THA .77 EL1 2352.2 EL2 14.9 ALF 178.06

LAUNCH DATE JUN 8 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 452.738

RL 151.84 LAL -.00 LOL 256.54 VL 26.819 GAL .40 AZL 93.41 HCA 206.01 SMA 129.01 ECC .17717 INC 3.4125 V1 29.341
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.932 GAP 3.57 AZP 86.93 TAL 178.13 TAP 24.15 RCA 106.15 APO 151.86 V2 35.230
 RC 111.351 GL -31.86 GP .21 ZAL 90.55 ZAP 133.28 ETS 1.20 ZAE 141.69 ETE 177.96 ZAC 115.21 ETC 16.86 CLP-133.28

PLANETOCENTRIC CONIC

C3 9.149 VHL 3.025 OLA -23.69 RAL 154.11 RAD 6567.3 VEL 11.425 PTH 1.98 VHP 3.611 DPA 14.97 RAP 152.61 ECC 1.1506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 12 37 1193.95 11.37 342.55 6.72 116.11 8 32 31 594.0 14.79 335.54
 90.00 12 55 34 5539.16 28.31 257.73 10.99 90.67 14 27 53 4939.2 28.10 249.07
 100.00 9 14 56 992.77 10.00 327.05 6.01 118.32 9 31 29 392.8 13.71 320.22
 100.00 14 35 55 5215.58 29.85 233.91 10.98 88.32 16 2 51 4615.6 29.30 225.15
 110.00 9 45 14 897.78 6.89 317.96 4.12 123.57 10 0 12 297.8 11.25 311.59
 110.00 16 22 7 4883.33 33.47 208.34 10.64 82.62 17 43 30 4283.3 32.09 199.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3241 TRA -.0057 TC3-5.3553 BAU .6557 SGT 4097.1 SGR 180.1 SG3 913.3 ST 2509.9 SR 93.0 SS 2188.5
 RDE .0481 RRA .0284 RC3 -.2377 FAU .13334 RRT .3204 RRF .3093 RTF .9746 CRT -.9786 CRS .9569 CST -.9955
 FDE-3.6850 FRA 1.0546 FC-12.6176 BSP 12656 SGB 4101.1 R23 -.0037 R13 .9746 LSA 3327.6 MSA 158.0 SSA 8.8
 BDE 1.3249 BRA .0289 BC3 5.3676 FSP -2925 SG1 4097.5 SG2 170.6 THA .81 EL1 2511.6 EL2 19.1 ALF 177.92

LAUNCH DATE JUN 8 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 458.901

RL 151.84 LAL -.00 LOL 256.54 VL 26.797 GAL .58 AZL 93.41 HCA 209.26 SMA 128.85 ECC .17872 INC 3.4102 V1 29.341
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.922 GAP 3.94 AZP 87.02 TAL 177.31 TAP 26.57 RCA 105.83 APO 151.88 V2 35.236
 RC 113.598 GL -31.58 GP .18 ZAL 88.94 ZAP 136.21 ETS 1.17 ZAE 139.89 ETE 178.38 ZAC 114.92 ETC 16.79 CLP-136.21

PLANETOCENTRIC CONIC

C3 9.264 VHL 3.044 OLA -24.13 RAL 155.83 RAD 6567.3 VEL 11.430 PTH 1.98 VHP 3.752 DPA 14.84 RAP 152.90 ECC 1.1525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 26 13 1172.85 12.00 341.32 8.81 115.84 8 45 46 572.9 15.38 334.27
 90.00 12 55 42 5565.10 28.27 259.63 13.03 91.62 14 28 27 4965.1 28.20 250.96
 100.00 9 27 26 975.20 10.57 326.05 8.07 118.12 9 43 42 375.2 14.25 319.19
 100.00 14 37 10 5237.98 29.88 235.58 13.04 89.20 16 4 28 4638.0 29.45 226.80
 110.00 9 56 6 885.31 7.36 317.30 6.13 123.48 10 10 52 285.3 11.71 310.91
 110.00 16 24 59 4900.64 33.62 209.67 12.76 83.40 17 46 40 4300.6 32.34 200.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4081 TRA .0591 TC3-5.5307 BAU .6857 SGT 4286.7 SGR 201.2 SG3 849.7 ST 2652.7 SR 106.0 SS 2128.9
 RDE .0551 RRA .0337 RC3 -.2592 FAU .12272 RRT .3069 RRF .2958 RTF .9746 CRT -.9743 CRS .9512 CST -.9957
 FDE-3.4672 FRA 1.1251 FC-11.4683 BSP 13244 SGB 4291.4 R23 -.0040 R13 .9746 LSA 3399.5 MSA 155.8 SSA 10.0
 BDE 1.4091 BRA .0681 BC3 5.5368 FSP -2712 SG1 4287.1 SG2 191.5 THA .83 EL1 2654.8 EL2 23.9 ALF 177.77

LAUNCH DATE JUN 8 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 465.043

RL 151.84 LAL -.00 LOL 256.54 VL 26.773 GAL .78 AZL 93.41 HCA 212.50 SMA 128.69 ECC .18040 INC 3.4082 V1 29.341
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.910 GAP 4.31 AZP 87.12 TAL 176.45 TAP 28.95 RCA 105.48 APO 151.91 V2 35.241
 RC 115.842 GL -31.26 GP .16 ZAL 87.24 ZAP 138.94 ETS 1.13 ZAE 138.28 ETE 178.72 ZAC 114.43 ETC 16.69 CLP-138.94

PLANETOCENTRIC CONIC

C3 9.405 VHL 3.067 DLA -24.56 RAL 157.65 RAD 6567.3 VEL 11.437 PTH 1.98 VHP 3.899 DPA 14.64 RAP 153.40 ECC 1.1548
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 40 40 1150.86 12.65 340.03 11.06 115.55 8 59 51 550.9 15.99 332.94
 90.00 12 55 48 5592.98 28.20 261.67 15.21 92.64 14 29 1 4993.0 28.27 253.00
 100.00 9 40 39 957.26 11.14 325.03 10.28 117.92 9 56 36 357.3 14.79 318.14
 100.00 14 38 31 5261.81 29.89 237.35 15.25 90.13 16 6 13 4661.8 29.59 228.56
 110.00 10 7 32 872.92 7.82 316.64 8.28 123.38 10 22 5 272.9 12.16 310.23
 110.00 16 28 7 4918.91 33.75 211.08 15.03 84.22 17 50 6 4318.9 32.58 202.04

DIFFERENTIAL CORRECTIONS

TDE-1.4930 TRA .1284 TC3-5.6814 BAU .7152
 RDE .0626 RRA .0391 RC3 -.2769 FAU .11338
 FDE-3.2750 FRA 1.1770 FC-10.4365 BSP 13868
 BDE 1.4943 BRA .1342 BC3 5.6881 FSP -2540

MID-COURSE EXECUTION ACCURACY

SGT 4471.4 SGR 221.3 SG3 793.1
 RRT .2898 RRF .2784 RTF .9748
 SGB 4476.9 R23 -.0049 R13 .9748
 SG1 4471.9 SG2 211.8 THA .82

ORBIT DETERMINATION ACCURACY

ST 2792.5 SR 119.5 SS 2076.9
 CRT -.9702 CRS .9463 CST -.9960
 LSA 3478.8 MSA 152.7 SSA 11.1
 EL1 2794.9 EL2 28.9 ALF 177.62

LAUNCH DATE JUN 8 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 471.165

RL 151.84 LAL -.00 LOL 256.54 VL 26.748 GAL .99 AZL 93.41 HCA 215.75 SMA 128.53 ECC .18223 INC 3.4066 V1 29.341
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.897 GAP 4.68 AZP 87.23 TAL 175.55 TAP 31.30 RCA 105.10 APO 151.95 V2 35.246
 RC 118.080 GL -30.90 GP .14 ZAL 85.47 ZAP 141.48 ETS 1.08 ZAE 136.84 ETE 179.02 ZAC 113.75 ETC 16.55 CLP-141.48

PLANETOCENTRIC CONIC

C3 9.575 VHL 3.094 DLA -25.00 RAL 159.58 RAD 6567.3 VEL 11.444 PTH 1.99 VHP 4.053 DPA 14.38 RAP 154.08 ECC 1.1576
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 55 59 1128.06 13.32 338.69 13.45 115.22 9 14 47 528.1 16.61 331.55
 90.00 12 55 50 5622.81 28.09 263.84 17.52 93.73 14 29 33 5022.8 28.31 255.18
 100.00 9 54 30 939.10 11.72 323.99 12.64 117.70 10 10 9 339.1 15.34 317.07
 100.00 14 40 0 5287.00 29.87 239.22 17.60 91.12 16 8 7 4687.0 29.71 230.42
 110.00 10 19 27 860.82 8.27 316.00 10.58 123.29 10 33 48 260.8 12.60 309.57
 110.00 16 31 32 4938.04 33.87 212.56 17.45 85.09 17 53 50 4338.0 32.82 203.48

DIFFERENTIAL CORRECTIONS

TDE-1.5768 TRA .2066 TC3-5.7954 BAU .7428
 RDE .0707 RRA .0446 RC3 -.2907 FAU .10469
 FDE-3.0968 FRA 1.2283 FC3-9.4654 BSP 14430
 BDE 1.5784 BRA .2114 BC3 5.8027 FSP -2374

MID-COURSE EXECUTION ACCURACY

SGT 4644.0 SGR 240.4 SG3 740.7
 RRT .2703 RRF .2584 RTF .9749
 SGB 4650.2 R23 -.0060 R13 .9749
 SG1 4644.4 SG2 231.4 THA .80

ORBIT DETERMINATION ACCURACY

ST 2924.3 SR 133.8 SS 2025.9
 CRT -.9661 CRS .9414 CST -.9962
 LSA 3556.9 MSA 149.8 SSA 12.1
 EL1 2927.2 EL2 34.5 ALF 177.47

LAUNCH DATE JUN 8 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 477.267

RL 151.84 LAL -.00 LOL 256.54 VL 26.722 GAL 1.21 AZL 93.41 HCA 218.99 SMA 128.35 ECC .18422 INC 3.4053 V1 29.341
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.882 GAP 5.05 AZP 87.35 TAL 174.62 TAP 33.61 RCA 104.71 APO 152.00 V2 35.250
 RC 120.312 GL -30.50 GP .12 ZAL 83.62 ZAP 143.84 ETS 1.03 ZAE 135.54 ETE 179.26 ZAC 112.91 ETC 16.39 CLP-143.84

PLANETOCENTRIC CONIC

C3 9.778 VHL 3.127 DLA -25.43 RAL 161.59 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 4.211 DPA 14.06 RAP 154.92 ECC 1.1609
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 12 5 1104.56 13.99 337.29 16.00 114.87 9 30 30 504.6 17.23 330.11
 90.00 12 55 49 5654.57 27.93 266.15 19.95 94.87 14 30 3 5054.6 28.31 257.51
 100.00 10 8 57 920.96 12.29 322.95 15.14 117.46 10 24 18 321.0 15.87 315.99
 100.00 14 41 38 5313.40 29.82 241.18 20.09 92.15 16 10 11 4713.4 29.80 232.38
 110.00 10 31 49 849.23 8.71 315.38 13.01 123.19 10 45 58 249.2 13.01 308.93
 110.00 16 35 16 4957.89 33.98 214.10 20.01 85.99 17 57 53 4357.9 33.05 204.99

DIFFERENTIAL CORRECTIONS

TDE-1.6587 TRA .2919 TC3-5.8747 BAU .7690
 RDE .0793 RRA .0502 RC3 -.3005 FAU .09668
 FDE-2.9275 FRA 1.2724 FC3-8.5597 BSP 14982
 BDE 1.6606 BRA .2962 BC3 5.8824 FSP -2226

MID-COURSE EXECUTION ACCURACY

SGT 4804.8 SGR 258.5 SG3 691.7
 RRT .2491 RRF .2368 RTF .9749
 SGB 4811.7 R23 -.0070 R13 .9748
 SG1 4805.2 SG2 250.3 THA .77

ORBIT DETERMINATION ACCURACY

ST 3046.4 SR 148.6 SS 1972.9
 CRT -.9622 CRS .9369 CST -.9964
 LSA 3629.4 MSA 147.1 SSA 13.2
 EL1 3049.7 EL2 40.4 ALF 177.31

LAUNCH DATE JUN 8 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 483.349

RL 151.84 LAL -.00 LOL 256.54 VL 26.694 GAL 1.45 AZL 93.40 HCA 222.24 SMA 128.17 ECC .18636 INC 3.4041 V1 29.341
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.866 GAP 5.42 AZP 87.48 TAL 173.66 TAP 35.90 RCA 104.29 APO 152.06 V2 35.253
 RC 122.538 GL -30.04 GP .11 ZAL 81.70 ZAP 146.06 ETS .96 ZAE 134.39 ETE 179.47 ZAC 111.91 ETC 16.21 CLP-146.06

PLANETOCENTRIC CONIC

C3 10.017 VHL 3.165 DLA -25.86 RAL 163.70 RAD 6567.4 VEL 11.463 PTH 1.99 VHP 4.375 DPA 13.69 RAP 155.92 ECC 1.1649
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 59 1080.46 14.68 335.85 18.70 114.49 9 46 59 480.5 17.86 328.62
 90.00 12 55 42 5688.28 27.71 268.59 22.51 96.08 14 30 30 5088.3 28.26 259.97
 100.00 10 23 55 903.06 12.85 321.91 17.79 117.22 10 38 58 303.1 16.40 314.92
 100.00 14 43 27 5340.91 29.73 243.22 22.70 93.22 16 12 28 4740.9 29.86 234.42
 110.00 10 44 32 838.39 9.11 314.80 15.57 123.09 10 58 30 238.4 13.40 308.33
 110.00 16 39 19 4978.35 34.06 215.69 22.70 86.93 18 2 18 4378.3 33.26 206.54

DIFFERENTIAL CORRECTIONS

TDE-1.7392 TRA .3866 TC3-5.9151 BAU .7932
 RDE .0885 RRA .0558 RC3 -.3065 FAU .08923
 FDE-2.7701 FRA 1.3146 FC3-7.7114 BSP 15495
 BDE 1.7415 BRA .3906 BC3 5.9230 FSP -2088

MID-COURSE EXECUTION ACCURACY

SGT 4953.5 SGR 275.6 SG3 646.4
 RRT .2265 RRF .2136 RTF .9747
 SGB 4961.2 R23 -.0080 R13 .9747
 SG1 4953.9 SG2 268.4 THA .72

ORBIT DETERMINATION ACCURACY

ST 3159.1 SR 163.9 SS 1919.9
 CRT -.9582 CRS .9324 CST -.9965
 LSA 3697.5 MSA 144.6 SSA 14.1
 EL1 3163.0 EL2 46.8 ALF 177.15

LAUNCH DATE JUN 8 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 489.409

RL 151.84 LAL -.00 LOL 256.54 VL 26.666 GAL 1.70 AZL 93.40 HCA 225.49 SMA 127.99 ECC .18866 INC 3.4030 V1 29.341
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.849 GAP 5.79 AZP 87.61 TAL 172.66 TAP 38.15 RCA 103.84 APO 152.13 V2 35.256
 RC 124.755 GL -29.54 GP .10 ZAL 79.72 ZAP 148.13 ETS .89 ZAE 133.35 ETE 179.65 ZAC 110.79 ETC 16.01 CLP-148.13

PLANETOCENTRIC CONIC

C3 10.298 VHL 3.209 DLA -26.27 RAL 165.88 RAD 6567.4 VEL 11.475 PTH 1.99 VHP 4.544 DPA 13.27 RAP 157.04 ECC 1.1695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 46 38 1055.83 15.37 334.37 21.54 114.08 10 4 14 455.8 18.49 327.09
 90.00 12 55 28 5723.96 27.43 271.17 25.17 97.34 14 30 52 5124.0 28.16 262.58
 100.00 10 39 19 885.68 13.39 320.90 20.56 116.98 10 54 5 285.7 16.90 313.87
 100.00 14 45 28 5369.35 29.61 245.33 25.43 94.32 16 14 58 4769.3 29.89 236.53
 110.00 10 57 32 828.53 9.47 314.27 18.26 123.00 11 11 20 228.5 13.76 307.79
 110.00 16 43 45 4999.26 34.13 217.32 25.53 87.90 18 7 4 4399.3 33.46 208.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8157 TRA .4925 TC3-5.9099 BAU .8147 SGT 5085.1 SGR 291.7 SG3 603.4 ST 3257.1 SR 179.7 SS 1862.7
 RDE .0985 RRA .0614 RC3 -.3087 FAU .08210 RRT .2030 RRF .1897 RTF .9744 CRT -.9542 CRS .9278 CST -.9967
 FDE-2.6172 FRA 1.3581 FC3-6.9024 BSP 15905 SGB 5093.4 R23 -.0090 R13 .9744 LSA 3753.7 MSA 143.0 SSA 15.0
 BDE 1.8184 BRA .4963 BC3 5.9180 FSP -1948 SG1 5085.4 SG2 285.7 THA .67 EL1 3261.7 EL2 53.7 ALF 176.99

LAUNCH DATE JUN 8 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 495.448

RL 151.84 LAL -.00 LOL 256.54 VL 26.638 GAL 1.96 AZL 93.40 HCA 228.73 SMA 127.80 ECC .19113 INC 3.4020 V1 29.341
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.830 GAP 6.17 AZP 87.75 TAL 171.64 TAP 40.38 RCA 103.37 APO 152.23 V2 35.258
 RC 126.964 GL -28.99 GP .09 ZAL 77.69 ZAP 150.08 ETS .81 ZAE 132.42 ETE 179.81 ZAC 109.54 ETC 15.81 CLP-150.08

PLANETOCENTRIC CONIC

C3 10.624 VHL 3.259 DLA -26.65 RAL 168.13 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 4.718 DPA 12.80 RAP 158.28 ECC 1.1748
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 4 59 1030.75 16.06 332.86 24.52 113.64 10 22 10 430.7 19.12 325.52
 90.00 12 55 6 5761.66 27.07 273.87 27.94 98.65 14 31 8 5161.7 27.99 265.32
 100.00 10 55 1 869.13 13.90 319.94 23.47 116.73 11 9 30 269.1 17.38 312.87
 100.00 14 47 45 5398.51 29.44 247.48 28.27 95.44 16 17 43 4798.5 29.88 238.70
 110.00 11 10 42 819.93 9.79 313.81 21.06 122.91 11 24 22 219.9 14.06 307.31
 110.00 16 48 34 5020.47 34.17 218.98 28.48 88.87 18 12 14 4420.5 33.63 209.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8939 TRA .6051 TC3-5.8788 BAU .8361 SGT 5214.1 SGR 306.9 SG3 564.9 ST 3350.2 SR 195.9 SS 1809.9
 RDE .1091 RRA .0668 RC3 -.3073 FAU .07579 RRT .1785 RRF .1645 RTF .9742 CRT -.9504 CRS .9237 CST -.9968
 FDE-2.4813 FRA 1.3936 FC3-6.1756 BSP 16336 SGB 5223.1 R23 -.0101 R13 .9742 LSA 3810.2 MSA 141.3 SSA 15.8
 BDE 1.8970 BRA .6088 BC3 5.8868 FSP -1829 SG1 5214.4 SG2 302.0 THA .60 EL1 3355.4 EL2 60.8 ALF 176.82

LAUNCH DATE JUN 8 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 501.463

RL 151.84 LAL -.00 LOL 256.54 VL 26.608 GAL 2.24 AZL 93.40 HCA 231.98 SMA 127.61 ECC .19379 INC 3.4012 V1 29.341
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.810 GAP 6.55 AZP 87.90 TAL 170.60 TAP 42.58 RCA 102.88 APO 152.34 V2 35.259
 RC 129.165 GL -28.40 GP .08 ZAL 75.62 ZAP 151.92 ETS .73 ZAE 131.58 ETE 179.94 ZAC 108.18 ETC 15.60 CLP-151.92

PLANETOCENTRIC CONIC

C3 11.002 VHL 3.317 DLA -27.02 RAL 170.45 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 4.897 DPA 12.28 RAP 159.62 ECC 1.1811
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 24 2 1005.18 16.75 331.30 27.63 113.17 10 40 48 405.2 19.75 323.90
 90.00 12 54 31 5801.50 26.63 276.70 30.79 100.00 14 31 13 5201.5 27.74 268.21
 100.00 11 10 55 853.74 14.37 319.04 26.49 116.50 11 25 9 253.7 17.81 311.94
 100.00 14 50 19 5428.17 29.23 249.66 31.22 96.57 16 20 48 4828.2 29.83 240.90
 110.00 11 23 57 812.85 10.05 313.43 23.97 122.84 11 37 30 212.9 14.31 306.91
 110.00 16 53 47 5041.83 34.18 220.65 31.55 89.86 18 17 49 4441.8 33.79 211.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9713 TRA .7265 TC3-5.8136 BAU .8563 SGT 5334.2 SGR 321.2 SG3 529.1 ST 3433.2 SR 212.4 SS 1757.0
 RDE .1205 RRA .0720 RC3 -.3027 FAU .06990 RRT .1530 RRF .1382 RTF .9740 CRT -.9467 CRS .9198 CST -.9970
 FDE-2.3546 FRA 1.4257 FC3-5.5002 BSP 16763 SGB 5343.8 R23 -.0115 R13 .9740 LSA 3859.9 MSA 140.3 SSA 16.5
 BDE 1.9750 BRA .7301 BC3 5.8215 FSP -1722 SG1 5334.4 SG2 317.4 THA .53 EL1 3439.1 EL2 68.3 ALF 176.65

LAUNCH DATE JUN 8 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 507.455

RL 151.84 LAL -.00 LOL 256.54 VL 26.578 GAL 2.54 AZL 93.40 HCA 235.23 SMA 127.41 ECC .19664 INC 3.4004 V1 29.341
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.789 GAP 6.93 AZP 88.06 TAL 169.52 TAP 44.75 RCA 102.36 APO 152.46 V2 35.259
 RC 131.355 GL -27.75 GP .07 ZAL 73.51 ZAP 153.66 ETS .64 ZAE 130.84 ETE 180.05 ZAC 106.73 ETC 15.38 CLP-153.66

PLANETOCENTRIC CONIC

C3 11.438 VHL 3.382 DLA -27.35 RAL 172.82 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 5.082 DPA 11.72 RAP 161.05 ECC 1.1882
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 43 49 979.02 17.44 329.69 30.87 112.66 11 0 8 379.0 20.37 322.24
 90.00 12 53 38 5843.70 26.10 279.67 33.72 101.40 14 31 2 5243.7 27.41 271.25
 100.00 11 26 52 839.90 14.79 318.22 29.61 116.28 11 40 52 239.9 18.20 311.09
 100.00 14 53 16 5458.05 28.97 251.84 34.27 97.69 16 24 14 4858.1 29.74 243.12
 110.00 11 37 10 807.56 10.25 313.14 26.98 122.79 11 50 38 207.6 14.50 306.62
 110.00 16 59 27 5063.16 34.17 222.31 34.72 90.85 18 23 50 4463.2 33.91 213.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0469 TRA .8586 TC3-5.7154 BAU .8751 SGT 5445.4 SGR 334.5 SG3 496.0 ST 3504.3 SR 229.2 SS 1703.1
 RDE .1327 RRA .0769 RC3 -.2950 FAU .06446 RRT .1272 RRF .1118 RTF .9738 CRT -.9430 CRS .9158 CST -.9971
 FDE-2.2352 FRA 1.4574 FC3-4.8795 BSP 17146 SGB 5455.6 R23 -.0127 R13 .9738 LSA 3900.4 MSA 140.2 SSA 17.0
 BDE 2.0512 BRA .8620 BC3 5.7230 FSP -1619 SG1 5445.5 SG2 331.8 THA .45 EL1 3510.9 EL2 76.1 ALF 176.47

LAUNCH DATE JUN 8 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 513.422

RL 151.84 LAL -.00 LOL 256.54 VL 26.548 GAL 2.85 AZL 93.40 HCA 238.48 SMA 127.21 ECC .19968 INC 3.3997 V1 29.341
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.767 GAP 7.31 AZP 88.22 TAL 168.43 TAP 46.91 RCA 101.81 APO 152.61 V2 35.259
 RC 133.537 GL -27.07 GP .07 ZAL 71.38 ZAP 155.32 ETS .55 ZAE 130.16 ETE 180.15 ZAC 105.19 ETC 15.17 CLP-155.32

PLANETOCENTRIC CONIC

C3 11.938 VHL 3.455 DLA -27.65 RAL 175.23 RAD 6567.5 VEL 11.547 PTH 2.02 VHP 5.272 DPA 11.12 RAP 162.56 ECC 1.1965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 4 24 951.87 18.15 328.01 34.23 112.12 11 20 16 351.9 20.99 320.49
 90.00 12 52 16 600.71 25.45 304.91 36.71 102.85 13 2 17 .7 26.97 296.57
 100.00 11 42 43 828.02 15.14 317.52 32.83 116.00 11 56 31 228.0 18.53 310.36
 100.00 14 56 38 5487.83 28.68 254.01 37.40 98.80 16 28 6 4887.8 29.60 245.32
 110.00 11 50 16 804.31 10.37 312.97 30.07 122.76 12 3 40 204.3 14.61 306.44
 110.00 17 5 35 5084.30 34.14 223.96 38.00 91.82 18 30 19 4484.3 34.02 214.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1186 TRA 1.0032 TC3-5.5771 BAU .8913 SGT 5542.9 SGR 346.9 SG3 464.9 ST 3560.1 SR 246.2 SS 1646.5
 RDE .1458 RRA .0814 RC3 -.2845 FAU .05924 RRT .1011 RRF .0851 RTF .9734 CRT -.9392 CRS .9117 CST -.9972
 FDE-2.1198 FRA 1.4902 FC3-4.2963 BSP 17442 SGB 5553.7 R23 -.0137 R13 .9734 LSA 3927.6 MSA 141.1 SSA 17.4
 BDE 2.1237 BRA 1.0065 BC3 5.5844 FSP -1518 SG1 5543.0 SG2 345.1 THA .36 EL1 3567.6 EL2 84.3 ALF 176.28

LAUNCH DATE JUN 8 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 519.362

RL 151.84 LAL -.00 LOL 256.54 VL 26.517 GAL 3.18 AZL 93.40 HCA 241.73 SMA 127.01 ECC .20295 INC 3.3990 V1 29.341
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.744 GAP 7.70 AZP 88.39 TAL 167.32 TAP 49.04 RCA 101.24 APO 152.79 V2 35.257
 RC 133.709 GL -26.35 GP .06 ZAL 69.24 ZAP 156.89 ETS .45 ZAE 129.55 ETE 180.23 ZAC 103.57 ETC 14.96 CLP-156.89

PLANETOCENTRIC CONIC

C3 12.511 VHL 3.537 DLA -27.91 RAL 177.66 RAD 6567.5 VEL 11.571 PTH 2.02 VHP 5.469 DPA 10.49 RAP 164.14 ECC 1.2059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 26 2 922.78 18.88 326.19 37.72 111.50 11 41 25 322.8 21.64 318.60
 90.00 12 50 5 649.65 24.67 308.28 39.74 104.37 13 0 55 49.6 26.40 300.04
 100.00 11 58 16 818.59 15.43 316.96 36.13 115.93 12 11 54 218.6 18.79 309.78
 100.00 15 0 33 5517.10 28.36 256.12 40.62 99.87 16 32 30 4917.1 29.43 247.48
 110.00 12 3 7 803.36 10.40 312.92 33.24 122.75 12 16 30 203.4 14.65 306.38
 110.00 17 12 11 5105.11 34.08 225.59 41.36 92.78 18 37 16 4505.1 34.09 216.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1925 TRA 1.1547 TC3-5.4211 BAU .9078 SGT 5639.3 SGR 358.4 SG3 436.7 ST 3609.8 SR 263.1 SS 1593.8
 RDE .1598 RRA .0855 RC3 -.2716 FAU .05460 RRT .0739 RRF .0572 RTF .9732 CRT -.9357 CRS .9081 CST -.9973
 FDE-2.0171 FRA 1.5164 FC3-3.7786 BSP 17790 SGB 5650.7 R23 -.0151 R13 .9732 LSA 3952.1 MSA 142.3 SSA 17.7
 BDE 2.1983 BRA 1.1579 BC3 5.4279 FSP -1433 SG1 5639.3 SG2 357.4 THA .27 EL1 3618.2 EL2 92.6 ALF 176.10

LAUNCH DATE JUN 8 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 525.274

RL 151.84 LAL -.00 LOL 256.54 VL 26.485 GAL 3.53 AZL 93.40 HCA 244.97 SMA 126.81 ECC .20644 INC 3.3983 V1 29.341
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.720 GAP 8.10 AZP 88.56 TAL 166.18 TAP 51.16 RCA 100.63 APO 152.99 V2 35.255
 RC 137.871 GL -25.59 GP .06 ZAL 67.08 ZAP 158.39 ETS .34 ZAE 129.01 ETE 180.30 ZAC 101.88 ETC 14.75 CLP-158.39

PLANETOCENTRIC CONIC

C3 13.165 VHL 3.628 DLA -28.14 RAL 180.12 RAD 6567.5 VEL 11.600 PTH 2.03 VHP 5.672 DPA 9.82 RAP 165.78 ECC 1.2167
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 49 41 888.59 19.72 324.03 41.35 110.74 12 4 30 288.6 22.37 316.36
 90.00 12 46 2 705.73 23.67 312.08 42.76 106.02 12 57 48 105.7 25.64 303.97
 100.00 12 13 19 812.14 15.62 316.58 39.50 115.82 12 26 51 212.1 18.96 309.38
 100.00 15 5 5 5545.45 28.01 258.16 43.91 100.88 16 37 31 4945.4 29.23 249.57
 110.00 12 15 37 804.92 10.35 313.00 36.46 122.76 12 29 2 204.9 14.59 306.47
 110.00 17 19 17 5125.43 34.00 227.17 44.81 93.72 18 44 42 4525.4 34.15 217.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2646 TRA 1.3176 TC3-5.2394 BAU .9232 SGT 5728.1 SGR 369.0 SG3 410.6 ST 3647.3 SR 279.9 SS 1540.5
 RDE .1746 RRA .0890 RC3 -.2568 FAU .05029 RRT .0465 RRF .0293 RTF .9730 CRT -.9321 CRS .9045 CST -.9974
 FDE-1.9197 FRA 1.5426 FC3-3.3072 BSP 18112 SGB 5740.0 R23 -.0162 R13 .9730 LSA 3966.5 MSA 144.5 SSA 17.8
 BDE 2.2713 BRA 1.3206 BC3 5.2457 FSP -1353 SG1 5728.1 SG2 368.6 THA .17 EL1 3656.6 EL2 101.1 ALF 175.90

LAUNCH DATE JUN 8 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 531.156

RL 151.84 LAL -.00 LOL 256.54 VL 26.453 GAL 3.90 AZL 93.40 HCA 248.22 SMA 126.61 ECC .21018 INC 3.3977 V1 29.341
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.695 GAP 8.51 AZP 88.74 TAL 165.04 TAP 53.26 RCA 100.00 APO 153.22 V2 35.253
 RC 140.023 GL -24.80 GP .06 ZAL 64.93 ZAP 159.83 ETS .24 ZAE 128.51 ETE 180.35 ZAC 100.13 ETC 14.55 CLP-159.83

PLANETOCENTRIC CONIC

C3 13.910 VHL 3.730 DLA -28.32 RAL 182.58 RAD 6567.5 VEL 11.632 PTH 2.04 VHP 5.882 DPA 9.12 RAP 167.47 ECC 1.2289
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 12 26 8 814.16 21.44 319.25 45.40 108.95 12 39 43 214.2 23.84 311.40
 90.00 12 29 13 804.16 21.66 318.60 45.48 108.69 12 42 38 204.2 24.02 310.72
 100.00 12 27 40 809.21 15.70 316.40 42.91 115.77 12 41 9 209.2 19.04 309.20
 100.00 15 10 23 5572.39 27.65 260.08 47.27 101.83 16 43 15 4972.4 29.00 251.54
 110.00 12 27 41 809.18 10.19 313.23 39.74 122.81 12 41 10 209.2 14.44 306.71
 110.00 17 26 52 5145.17 33.91 228.70 48.33 94.62 18 52 37 4545.2 34.18 219.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3350 TRA 1.4923 TC3-5.0328 BAU .9370 SGT 5808.7 SGR 378.6 SG3 386.2 ST 3672.8 SR 296.5 SS 1487.3
 RDE .1904 RRA .0918 RC3 -.2404 FAU .04622 RRT .0186 RRF .0010 RTF .9727 CRT -.9285 CRS .9009 CST -.9975
 FDE-1.8280 FRA 1.5685 FC3-2.8767 BSP 18400 SGB 5821.0 R23 -.0172 R13 .9727 LSA 3970.9 MSA 147.6 SSA 17.8
 BDE 2.3427 BRA 1.4951 BC3 5.0386 FSP -1278 SG1 5808.7 SG2 378.6 THA .07 EL1 3683.2 EL2 109.8 ALF 175.71

LAUNCH DATE JUN 8 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 537.006

RL 151.84 LAL -.00 LOL 256.54 VL 26.421 GAL 4.28 AZL 93.40 MCA 251.47 SMA 126.40 ECC .21418 INC 3.3972 V1 29.341
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.670 GAP 8.93 AZP 88.92 TAL 163.88 TAP 55.34 RCA 99.33 APO 153.47 V2 35.249
 RC 142.165 GL -23.98 GP .05 ZAL 62.80 ZAP 161.21 ETS .13 ZAE 128.06 ETE 180.40 ZAC 98.33 ETC 14.36 CLP-161.21

PLANETOCENTRIC CONIC

C3 14.759 VHL 3.842 DLA -28.45 RAL 185.04 RAD 6567.6 VEL 11.668 PTH 2.05 VHP 6.100 DPA 8.39 RAP 169.20 ECC 1.2429
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.08 12 12 54 901.91 21.36 325.65 48.83 109.26 12 27 56 301.9 23.79 317.81
 92.92 13 2 4 742.60 21.37 313.99 48.84 109.25 13 14 27 142.6 23.80 306.15
 100.00 12 41 7 810.33 15.67 316.47 46.35 115.79 12 54 37 210.3 19.01 309.27
 100.00 15 16 32 5597.45 27.29 261.85 50.70 102.70 16 49 50 4997.5 28.76 253.36
 110.00 12 39 13 816.30 9.93 313.61 43.04 122.88 12 52 49 216.3 14.19 307.11
 110.00 17 34 56 5164.25 33.79 230.18 51.91 95.49 19 1 0 4564.2 34.18 220.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4011 TRA 1.6810 TC3-4.8004 BAU .9482 SGT 5878.7 SGR 387.4 SG3 363.4 ST 3683.5 SR 312.6 SS 1432.6
 RDE .2071 RRA .0939 RC3 -.2228 FAU .04231 RRT -.0092 RRF -.0268 RTF .9723 CRT -.9247 CRS .8968 CST -.9976
 FDE-1.7388 FRA 1.5958 FC3-2.4819 BSP 18607 SGB 5891.5 R23 .0179 R13 -.9723 LSA 3961.7 MSA 151.7 SSA 17.6
 BDE 2.4100 BRA 1.6836 BC3 4.8056 FSP -1203 SG1 5878.7 SG2 387.4 THA 179.97 EL1 3694.8 EL2 118.7 ALF 175.51

LAUNCH DATE JUN 8 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 542.821

RL 151.84 LAL -.00 LOL 256.54 VL 26.389 GAL 4.69 AZL 93.40 MCA 254.71 SMA 126.19 ECC .21848 INC 3.3966 V1 29.341
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.643 GAP 9.35 AZP 89.10 TAL 162.70 TAP 57.41 RCA 98.62 APO 153.76 V2 35.245
 RC 144.295 GL -23.14 GP .05 ZAL 60.68 ZAP 162.55 ETS .02 ZAE 127.65 ETE 180.43 ZAC 96.47 ETC 14.19 CLP-162.55

PLANETOCENTRIC CONIC

C3 15.723 VHL 3.965 DLA -28.55 RAL 187.48 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 6.327 DPA 7.63 RAP 170.98 ECC 1.2588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.20 12 15 19 939.80 21.10 328.32 52.28 109.69 12 30 59 339.8 23.60 320.52
 93.80 13 19 7 733.14 21.12 313.20 52.28 109.67 13 31 20 133.1 23.61 305.40
 100.00 12 53 27 816.01 15.50 316.81 49.80 115.88 13 7 3 216.0 18.86 309.62
 100.00 15 23 40 5620.21 26.94 263.45 54.18 103.47 16 57 21 5020.2 28.52 255.01
 110.00 12 50 9 826.38 9.55 314.16 46.37 122.98 13 3 55 226.4 13.83 307.67
 110.00 17 43 28 5182.60 33.66 231.60 55.54 96.32 19 9 50 4582.6 34.17 222.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4693 TRA 1.8785 TC3-4.5620 BAU .9599 SGT 5947.2 SGR 395.3 SG3 342.5 ST 3688.1 SR 328.2 SS 1381.5
 RDE .2248 RRA .0951 RC3 -.2045 FAU .03882 RRT -.0378 RRF -.0556 RTF .9720 CRT -.9210 CRS .8931 CST -.9977
 FDE-1.6588 FRA 1.6193 FC3-2.1373 BSP 18874 SGB 5960.3 R23 .0186 R13 -.9720 LSA 3948.9 MSA 156.1 SSA 17.4
 BDE 2.4795 BRA 1.8809 BC3 4.5666 FSP -1140 SG1 5947.2 SG2 395.0 THA 179.86 EL1 3700.5 EL2 127.4 ALF 175.31

LAUNCH DATE JUN 8 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 548.597

RL 151.84 LAL -.00 LOL 256.54 VL 26.356 GAL 5.13 AZL 93.40 MCA 257.96 SMA 125.99 ECC .22308 INC 3.3961 V1 29.341
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.616 GAP 9.79 AZP 89.29 TAL 161.52 TAP 59.48 RCA 97.88 APO 154.09 V2 35.240
 RC 146.414 GL -22.28 GP .05 ZAL 58.59 ZAP 163.83 ETS 359.91 ZAE 127.27 ETE 180.45 ZAC 94.58 ETC 14.02 CLP-163.83

PLANETOCENTRIC CONIC

C3 16.818 VHL 4.101 DLA -28.60 RAL 189.89 RAD 6567.7 VEL 11.756 PTH 2.07 VHP 6.563 DPA 6.85 RAP 172.79 ECC 1.2768
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.80 12 21 36 965.96 20.78 330.12 55.76 110.10 12 37 42 366.0 23.33 322.35
 94.20 13 32 5 737.70 20.80 313.41 55.76 110.09 13 44 23 137.7 23.35 305.64
 100.00 13 4 32 826.58 15.19 317.43 53.25 116.06 13 18 19 226.6 18.57 310.27
 100.00 15 31 50 5640.35 26.61 264.86 57.72 104.14 17 5 51 5040.3 28.29 256.46
 110.00 13 0 26 839.47 9.07 314.86 49.70 123.10 13 14 26 239.5 13.36 308.39
 110.00 17 52 25 5200.23 33.52 232.95 59.22 97.11 19 19 6 4600.2 34.14 223.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5362 TRA 2.0890 TC3-4.3098 BAU .9699 SGT 6008.4 SGR 402.3 SG3 323.0 ST 3682.6 SR 343.1 SS 1331.5
 RDE .2434 RRA .0953 RC3 -.1858 FAU .03553 RRT -.0669 RRF -.0845 RTF .9718 CRT -.9173 CRS .8894 CST -.9978
 FDE-1.5838 FRA 1.6428 FC3-1.8288 BSP 19108 SGB 6021.9 R23 .0193 R13 -.9718 LSA 3927.6 MSA 161.0 SSA 17.1
 BDE 2.5479 BRA 2.0912 BC3 4.3138 FSP -1080 SG1 6008.5 SG2 401.4 THA 179.74 EL1 3696.0 EL2 136.1 ALF 175.11

LAUNCH DATE JUN 8 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 554.333

RL 151.84 LAL -.00 LOL 256.54 VL 26.323 GAL 5.58 AZL 93.40 MCA 261.20 SMA 125.78 ECC .22802 INC 3.3955 V1 29.341
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.587 GAP 10.25 AZP 89.48 TAL 160.33 TAP 61.53 RCA 97.10 APO 154.46 V2 35.234
 RC 148.521 GL -21.41 GP .04 ZAL 56.54 ZAP 165.08 ETS 359.80 ZAE 126.92 ETE 180.47 ZAC 92.64 ETC 13.87 CLP-165.08

PLANETOCENTRIC CONIC

C3 18.062 VHL 4.250 DLA -28.61 RAL 192.27 RAD 6567.7 VEL 11.809 PTH 2.09 VHP 6.810 DPA 6.05 RAP 174.63 ECC 1.2973
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.73 12 30 32 984.26 20.40 331.31 59.26 110.50 12 46 56 384.3 23.01 323.59
 94.27 13 42 6 752.45 20.41 314.34 59.27 110.49 13 54 39 152.5 23.02 306.62
 100.00 13 14 17 842.22 14.72 318.36 56.68 116.31 13 28 19 242.2 18.13 311.23
 100.00 15 41 3 5657.76 26.32 266.07 61.31 104.72 17 15 20 5057.8 28.08 257.71
 110.00 13 10 2 855.57 8.47 315.72 53.04 123.24 13 24 18 255.6 12.79 309.28
 110.00 18 1 47 5217.17 33.37 234.25 62.93 97.86 19 28 44 4617.2 34.10 225.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6020 TRA 2.3126 TC3-4.0491 BAU .9786 SGT 6063.3 SGR 408.4 SG3 305.0 ST 3667.6 SR 357.0 SS 1282.9
 RDE .2628 RRA .0945 RC3 -.1672 FAU .03245 RRT -.0962 RRF -.1135 RTF .9717 CRT -.9135 CRS .8856 CST -.9978
 FDE-1.5134 FRA 1.6663 FC3-1.5551 BSP 19331 SGB 6077.1 R23 .0197 R13 -.9717 LSA 3898.3 MSA 166.3 SSA 16.7
 BDE 2.6153 BRA 2.3146 BC3 4.0525 FSP -1024 SG1 6063.4 SG2 406.5 THA 179.63 EL1 3682.1 EL2 144.7 ALF 174.91

LAUNCH DATE JUN 8 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 560.023

RL 151.84 LAL -.00 LOL 256.54 VL 26.290 GAL 6.07 AZL 93.40 HCA 264.44 SMA 125.58 ECC .23332 INC 3.3950 V1 29.341
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.558 GAP 10.72 AZP 89.67 TAL 159.13 TAP 63.58 RCA 96.28 APO 154.88 V2 35.228
 RC 150.615 GL -20.54 GP .04 ZAL 54.52 ZAP 166.29 ETS 359.68 ZAE 126.60 ETE 180.48 ZAC 90.67 ETC 13.74 CLP-166.29

PLANETOCENTRIC CONIC

C3 19.474 VHL 4.413 DLA -28.58 RAL 194.60 RAD 6567.8 VEL 11.868 PTH 2.11 VHP 7.069 DPA 5.23 RAP 176.49 ECC 1.3205
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.96 12 41 46 995.70 19.95 331.97 62.79 110.90 12 58 21 395.7 22.62 324.29
 94.04 13 49 28 776.40 19.97 315.92 62.79 110.88 14 2 24 176.4 22.63 308.24
 100.00 13 22 41 862.84 14.09 319.57 60.09 116.64 13 37 4 262.8 17.55 312.49
 100.00 15 51 14 5672.53 26.06 267.09 64.94 105.19 17 25 46 5072.5 27.89 258.77
 110.00 13 18 56 874.65 7.76 316.74 56.36 123.40 13 33 30 274.6 12.09 310.33
 110.00 18 11 28 5233.49 33.21 235.50 66.68 98.59 19 38 42 4633.5 34.04 226.36

DIFFERENTIAL CORRECTIONS

TDE-2.6636 TRA 2.5538 TC3-3.7754 BAU .9837
 RDE .2831 RRA .0925 RC3 -.1490 FAU .02941
 FDE 1.4450 FRA 1.6924 FC3-1.3076 BSP 19459
 BDE 2.6787 BRA 2.5555 BC3 3.7784 FSP -967

MID-COURSE EXECUTION ACCURACY

SGT 6109.1 SGR 413.7 SG3 288.0
 RRT -.1253 RRF -.1418 RTF .9714
 SGB 6123.0 R23 .0197 R13 -.9714
 SG1 6109.3 SG2 410.4 THA 179.51

ORBIT DETERMINATION ACCURACY

ST 3640.5 SR 369.9 SS 1234.3
 CRT -.9092 CRS .8811 CST -.9979
 LSA 3858.0 MSA 172.3 SSA 16.4
 EL1 3656.1 EL2 153.3 ALF 174.71

LAUNCH DATE JUN 8 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 565.661

RL 151.84 LAL -.00 LOL 256.54 VL 26.257 GAL 6.58 AZL 93.39 HCA 267.69 SMA 125.37 ECC .23903 INC 3.3945 V1 29.341
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.529 GAP 11.21 AZP 89.86 TAL 157.94 TAP 65.62 RCA 95.40 APO 155.34 V2 35.221
 RC 152.696 GL -19.66 GP .04 ZAL 52.55 ZAP 167.47 ETS 359.57 ZAE 126.29 ETE 180.48 ZAC 88.68 ETC 13.62 CLP-167.47

PLANETOCENTRIC CONIC

C3 21.077 VHL 4.591 DLA -28.51 RAL 196.87 RAD 6567.9 VEL 11.936 PTH 2.12 VHP 7.340 DPA 4.39 RAP 178.38 ECC 1.3469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.55 12 55 43 998.79 19.44 331.99 66.31 111.27 13 12 22 398.8 22.16 324.36
 93.45 13 53 40 811.06 19.46 318.25 66.32 111.26 14 7 11 211.1 22.18 310.62
 100.00 13 29 47 888.17 13.31 321.05 63.45 117.01 13 44 35 288.2 16.83 314.02
 100.00 16 2 16 5684.95 25.83 267.95 68.62 105.59 17 37 1 5084.9 27.72 259.65
 110.00 13 27 6 896.62 6.93 317.90 59.67 123.56 13 42 3 296.6 11.29 311.53
 110.00 18 21 27 5249.27 33.05 236.70 70.45 99.28 19 48 56 4649.3 33.98 227.59

DIFFERENTIAL CORRECTIONS

TDE-2.7281 TRA 2.8061 TC3-3.5075 BAU .9890
 RDE .3043 RRA .0893 RC3 -.1313 FAU .02670
 FDE-1.3839 FRA 1.7162 FC3-1.0969 BSP 19649
 BDE 2.7450 BRA 2.8075 BC3 3.5100 FSP -918

MID-COURSE EXECUTION ACCURACY

SGT 6151.9 SGR 418.1 SG3 272.4
 RRT -.1552 RRF -.1709 RTF .9713
 SGB 6166.1 R23 .0198 R13 -.9713
 SG1 6152.3 SG2 413.0 THA 179.39

ORBIT DETERMINATION ACCURACY

ST 3609.8 SR 381.6 SS 1189.6
 CRT -.9052 CRS .8771 CST -.9980
 LSA 3815.6 MSA 178.0 SSA 16.0
 EL1 3626.3 EL2 161.5 ALF 174.52

LAUNCH DATE JUN 8 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 571.244

RL 151.84 LAL -.00 LOL 256.54 VL 26.224 GAL 7.12 AZL 93.39 HCA 270.93 SMA 125.17 ECC .24518 INC 3.3940 V1 29.341
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.499 GAP 11.72 AZP 90.06 TAL 156.74 TAP 67.67 RCA 94.48 APO 155.85 V2 35.214
 RC 154.762 GL -18.78 GP .04 ZAL 50.64 ZAP 168.63 ETS 359.46 ZAE 126.01 ETE 180.48 ZAC 86.66 ETC 13.52 CLP-168.63

PLANETOCENTRIC CONIC

C3 22.899 VHL 4.785 DLA -28.40 RAL 199.09 RAD 6567.9 VEL 12.012 PTH 2.14 VHP 7.626 DPA 3.53 RAP 180.29 ECC 1.3769
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.72 13 14 17 987.32 18.88 330.91 69.84 111.62 13 30 44 387.3 21.65 323.33
 92.28 13 52 45 862.63 18.89 321.79 69.85 111.61 14 7 8 262.6 21.66 314.21
 100.00 13 35 42 917.76 12.39 322.76 66.77 117.42 13 51 0 317.8 15.97 315.80
 100.00 16 14 0 5695.45 25.64 268.67 72.33 105.92 17 48 56 5095.5 27.57 260.40
 110.00 13 34 34 921.35 6.00 319.21 62.95 123.72 13 49 55 321.3 10.39 312.87
 110.00 18 31 38 5264.63 32.87 237.87 74.23 99.95 19 59 23 4664.6 33.90 228.78

DIFFERENTIAL CORRECTIONS

TDE-2.7925 TRA 3.0738 TC3-3.2394 BAU .9923
 RDE .3262 RRA .0847 RC3 -.1145 FAU .02413
 FDE-1.3271 FRA 1.7406 FC3 -.9124 BSP 19828
 BDE 2.8115 BRA 3.0750 BC3 3.2415 FSP -873

MID-COURSE EXECUTION ACCURACY

SGT 6188.5 SGR 421.7 SG3 257.8
 RRT -.1853 RRF -.2001 RTF .9713
 SGB 6202.8 R23 .0196 R13 -.9713
 SG1 6189.0 SG2 414.4 THA 179.27

ORBIT DETERMINATION ACCURACY

ST 3572.6 SR 392.1 SS 1147.1
 CRT -.9010 CRS .8730 CST -.9981
 LSA 3768.2 MSA 183.7 SSA 15.5
 EL1 3590.1 EL2 169.3 ALF 174.34

LAUNCH DATE JUN 8 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 576.763

RL 151.84 LAL -.00 LOL 256.54 VL 26.191 GAL 7.70 AZL 93.39 HCA 274.17 SMA 124.96 ECC .25181 INC 3.3935 V1 29.341
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.468 GAP 12.26 AZP 90.25 TAL 155.55 TAP 69.71 RCA 93.50 APO 156.43 V2 35.205
 RC 156.813 GL -17.91 GP .04 ZAL 48.78 ZAP 169.76 ETS 359.36 ZAE 125.74 ETE 180.47 ZAC 84.62 ETC 13.43 CLP-169.76

PLANETOCENTRIC CONIC

C3 24.971 VHL 4.997 DLA -28.26 RAL 201.23 RAD 6568.0 VEL 12.097 PTH 2.17 VHP 7.928 DPA 2.66 RAP 182.21 ECC 1.4110
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 26 3 998.14 16.94 330.87 72.80 113.04 13 42 41 398.1 19.91 323.46
 90.00 13 58 6 894.22 19.59 324.39 73.92 110.87 14 13 0 294.2 22.25 316.73
 100.00 13 40 34 951.11 11.34 324.68 70.05 117.84 13 56 26 351.1 14.98 317.78
 100.00 16 26 15 5704.53 25.47 269.29 76.05 106.21 18 1 20 5104.5 27.44 261.04
 110.00 13 41 20 948.70 4.96 320.65 66.21 123.86 13 57 9 348.7 9.38 314.34
 110.00 18 41 59 5279.70 32.69 239.01 78.02 100.60 20 9 58 4679.7 33.81 229.95

DIFFERENTIAL CORRECTIONS

TDE-2.8568 TRA 3.3586 TC3-2.9737 BAU .9933
 RDE .3488 RRA .0786 RC3 -.0989 FAU .02170
 FDE-1.2742 FRA 1.7663 FC3 -.7522 BSP 19976
 BDE 2.8780 BRA 3.3595 BC3 2.9754 FSP -830

MID-COURSE EXECUTION ACCURACY

SGT 6219.0 SGR 424.5 SG3 244.2
 RRT -.2156 RRF -.2291 RTF .9714
 SGB 6233.5 R23 .0192 R13 -.9714
 SG1 6219.7 SG2 414.5 THA 179.15

ORBIT DETERMINATION ACCURACY

ST 3529.6 SR 401.1 SS 1106.8
 CRT -.8967 CRS .8688 CST -.9981
 LSA 3715.9 MSA 189.4 SSA 15.1
 EL1 3547.9 EL2 176.7 ALF 174.17

LAUNCH DATE JUN 8 1967

FLIGHT TIME 206.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 582.211

RL 151.84 LAL -.00 LOL 256.54 VL 26.159 GAL 8.32 AZL 93.39 MCA 277.40 SMA 124.76 ECC .25897 INC 3.3930 V1 29.341
 RP 107.67 LAP 3.36 LOP 173.95 VP 37.437 GAP 12.82 AZP 90.44 TAL 154.36 TAP 71.77 RCA 92.45 APO 157.07 V2 35.197
 RC 158.850 GL -17.04 GP .04 ZAL 46.99 ZAP 170.88 ETS 359.25 ZAE 125.47 ETE 180.46 ZAC 82.56 ETC 13.37 CLP-170.88

PLANETOCENTRIC CONIC

C3 27.331 VHL 5.228 DLA -28.08 RAL 203.30 RAD 6568.1 VEL 12.195 PTH 2.19 VHP 8.248 DPA 1.79 RAP 184.14 ECC 1.4498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 18 22 1072.33 14.91 335.37 75.68 114.36 13 36 14 472.3 18.07 328.12
 90.00 14 22 18 864.75 20.29 322.52 77.99 110.19 14 36 43 264.8 22.86 314.78
 100.00 13 44 32 987.70 10.17 326.76 73.28 118.26 14 1 0 387.7 13.87 319.93
 100.00 16 38 50 5712.66 25.31 269.84 79.79 106.46 18 14 2 5112.7 27.32 261.62
 110.00 13 47 27 978.52 3.83 322.21 69.43 123.99 14 3 46 378.5 8.27 315.94
 110.00 18 52 24 5294.60 32.50 240.13 81.82 101.23 20 20 38 4694.6 33.70 231.10

DIFFERENTIAL CORRECTIONS

TDE-2.9181 TRA 3.6648 TC3-2.7069 BAU .9896
 RDE .3720 RRA .0708 RC3 -.0845 FAU .01928
 FDE-1.2231 FRA 1.7952 FC3 -.6106 BSP 20022
 BDE 2.9418 BRA 3.6655 BC3 2.7082 FSP -784

MID-COURSE EXECUTION ACCURACY

SGT 6242.1 SGR 426.4 SG3 231.5
 RRT -.2455 RRF -.2574 RTF .9715
 SGB 6256.6 R23 .0183 R13 -.9715
 SG1 6243.0 SG2 413.3 THA 179.03

ORBIT DETERMINATION ACCURACY

ST 3478.6 SR 408.6 SS 1067.8
 CRT -.8919 CRS .8639 CST -.9982
 LSA 3656.4 MSA 195.1 SSA 14.7
 EL1 3497.7 EL2 183.8 ALF 174.00

LAUNCH DATE JUN 8 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 587.578

RL 151.84 LAL -.08 LOL 256.54 VL 26.126 GAL 8.97 AZL 93.39 MCA 280.64 SMA 124.56 ECC .26673 INC 3.3925 V1 29.341
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.405 GAP 13.41 AZP 90.63 TAL 153.19 TAP 73.83 RCA 91.34 APO 157.78 V2 35.187
 RC 160.871 GL -16.18 GP .03 ZAL 45.25 ZAP 171.98 ETS 359.16 ZAE 125.22 ETE 180.44 ZAC 80.50 ETC 13.33 CLP-171.98

PLANETOCENTRIC CONIC

C3 30.024 VHL 5.479 DLA -27.88 RAL 205.30 RAD 6568.2 VEL 12.304 PTH 2.22 VHP 8.589 DPA .91 RAP 186.08 ECC 1.4941
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 14 30 1134.39 13.13 339.06 78.66 115.31 13 33 24 534.4 16.44 331.94
 90.00 14 42 6 849.64 20.64 321.55 81.92 109.82 14 56 15 249.6 23.16 313.78
 100.00 13 47 42 1027.04 8.89 328.98 76.46 118.66 14 4 49 427.0 12.65 322.21
 100.00 16 51 35 5720.26 25.16 270.36 83.54 106.69 18 26 55 5120.3 27.21 262.15
 110.00 13 52 55 1010.62 2.61 323.89 72.61 124.10 14 9 46 410.6 7.06 317.64
 110.00 19 2 50 5309.45 32.30 241.24 85.61 101.86 20 31 20 4709.4 33.59 232.24

DIFFERENTIAL CORRECTIONS

TDE-2.9854 TRA 3.9857 TC3-2.4541 BAU .9855
 RDE .3960 RRA .0614 RC3 -.0713 FAU .01710
 FDE-1.1790 FRA 1.8230 FC3 -.4931 BSP 20155
 BDE 3.0115 BRA 3.9862 BC3 2.4551 FSP -747

MID-COURSE EXECUTION ACCURACY

SGT 6261.6 SGR 427.6 SG3 219.6
 RRT -.2763 RRF -.2866 RTF .9718
 SGB 6276.2 R23 .0176 R13 -.9719
 SG1 6262.7 SG2 410.9 THA 178.91

ORBIT DETERMINATION ACCURACY

ST 3428.2 SR 414.6 SS 1033.3
 CRT -.8875 CRS .8597 CST -.9983
 LSA 3598.8 MSA 200.0 SSA 14.3
 EL1 3447.9 EL2 190.0 ALF 173.85

LAUNCH DATE JUN 8 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 592.852

RL 151.84 LAL -.00 LOL 256.54 VL 26.093 GAL 9.67 AZL 93.39 MCA 283.87 SMA 124.36 ECC .27514 INC 3.3919 V1 29.341
 RP 107.73 LAP 3.29 LOP 180.43 VP 37.373 GAP 14.04 AZP 90.81 TAL 152.03 TAP 75.90 RCA 90.14 APO 158.58 V2 35.178
 RC 162.878 GL -15.34 GP .03 ZAL 43.59 ZAP 173.08 ETS 359.07 ZAE 124.96 ETE 180.42 ZAC 78.42 ETC 13.31 CLP-173.08

PLANETOCENTRIC CONIC

C3 33.103 VHL 5.753 DLA -27.64 RAL 207.21 RAD 6568.3 VEL 12.429 PTH 2.25 VHP 8.953 DPA .02 RAP 188.03 ECC 1.5448
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 11 45 1192.93 11.40 342.49 81.65 116.09 13 31 38 592.9 14.82 335.48
 90.00 15 0 6 840.20 20.86 320.94 85.79 109.60 15 14 6 240.2 23.34 313.15
 100.00 13 50 11 1068.71 7.52 331.32 79.59 119.02 14 7 59 468.7 11.34 324.61
 100.00 17 4 21 5727.68 25.02 270.86 87.28 106.92 18 39 49 5127.7 27.10 262.68
 110.00 13 57 47 1044.83 1.30 325.68 75.76 124.16 14 15 12 444.8 5.77 319.45
 110.00 19 13 14 5324.34 32.08 242.34 89.38 102.49 20 41 59 4724.3 33.47 233.39

DIFFERENTIAL CORRECTIONS

TDE-3.0547 TRA 4.3272 TC3-2.2099 BAU .9783
 RDE .4204 RRA .0502 RC3 -.0595 FAU .01503
 FDE-1.1386 FRA 1.8528 FC3 -.3930 BSP 20277
 BDE 3.0835 BRA 4.3275 BC3 2.2107 FSP -712

MID-COURSE EXECUTION ACCURACY

SGT 6275.6 SGR 428.0 SG3 208.6
 RRT -.3071 RRF -.3157 RTF .9723
 SGB 6290.2 R23 .0166 R13 -.9723
 SG1 6277.0 SG2 407.2 THA 178.80

ORBIT DETERMINATION ACCURACY

ST 3374.8 SR 419.0 SS 1001.5
 CRT -.8831 CRS .8555 CST -.9983
 LSA 3539.2 MSA 204.4 SSA 13.8
 EL1 3395.1 EL2 195.5 ALF 173.72

LAUNCH DATE JUN 8 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 598.019

RL 151.84 LAL -.00 LOL 256.54 VL 26.061 GAL 10.42 AZL 93.39 MCA 287.10 SMA 124.16 ECC .28429 INC 3.3914 V1 29.341
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.341 GAP 14.71 AZP 91.00 TAL 150.89 TAP 78.00 RCA 88.87 APO 159.46 V2 35.167
 RC 164.869 GL -14.51 GP .03 ZAL 41.99 ZAP 174.16 ETS 358.99 ZAE 124.70 ETE 180.39 ZAC 76.35 ETC 13.31 CLP-174.16

PLANETOCENTRIC CONIC

C3 36.632 VHL 6.052 DLA -27.38 RAL 209.04 RAD 6568.4 VEL 12.570 PTH 2.28 VHP 9.342 DPA -.87 RAP 189.98 ECC 1.6029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 9 28 1249.97 9.68 345.79 84.61 116.74 13 30 18 650.0 13.19 338.87
 90.00 15 16 57 834.31 20.99 320.56 89.61 109.45 15 30 52 234.3 23.46 312.75
 100.00 13 52 4 1112.36 6.07 333.75 82.68 119.32 14 10 36 512.4 9.94 327.09
 100.00 17 17 3 5735.19 24.87 271.37 91.00 107.15 18 52 39 5135.2 26.98 263.20
 110.00 14 2 3 1080.96 -.08 327.56 78.87 124.18 14 20 4 481.0 4.40 321.35
 110.00 19 23 33 5339.35 31.86 243.46 93.14 103.11 20 52 32 4739.3 33.33 234.54

DIFFERENTIAL CORRECTIONS

TDE-3.1259 TRA 4.6918 TC3-1.9737 BAU .9669
 RDE .4454 RRA .0370 RC3 -.0491 FAU .01302
 FDE-1.1018 FRA 1.8852 FC3 -.3076 BSP 20363
 BDE 3.1575 BRA 4.6920 BC3 1.9743 FSP -678

MID-COURSE EXECUTION ACCURACY

SGT 6283.8 SGR 427.6 SG3 198.3
 RRT -.3380 RRF -.3447 RTF .9729
 SGB 6298.3 R23 .0155 R13 -.9730
 SG1 6285.4 SG2 402.3 THA 178.68

ORBIT DETERMINATION ACCURACY

ST 3318.7 SR 421.8 SS 972.5
 CRT -.8785 CRS .8513 CST -.9984
 LSA 3477.6 MSA 208.2 SSA 13.4
 EL1 3339.4 EL2 200.2 ALF 173.61

LAUNCH DATE JUN 8 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 603.062

RL 151.84 LAL -.00 LOL 256.54 VL 26.029 GAL 11.23 AZL 93.39 HCA 290.33 SMA 123.97 ECC .29425 INC 3.3908 V1 29.341
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.308 GAP 15.43 AZP 91.18 TAL 149.78 TAP 80.12 RCA 87.49 APO 160.45 V2 35.156
 RC 166.846 GL -13.69 GP .03 ZAL 40.47 ZAP 175.25 ETS 358.94 ZAE 124.44 ETE 180.36 ZAC 74.28 ETC 13.33 CLP-175.25

PLANETOCENTRIC CONIC

C3 40.689 VHL 6.379 DLA -27.10 RAL 210.78 RAD 6568.6 VEL 12.730 PTH 2.31 VHP 9.761 DPA -1.76 RAP 191.93 ECC 1.6696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 7 24 1306.30 7.93 349.01 87.55 117.27 13 29 10 706.3 11.53 342.18
 90.00 15 32 55 831.05 21.07 320.35 93.38 109.37 15 46 46 231.1 23.52 312.54
 100.00 13 53 25 1157.66 4.56 336.26 85.71 119.57 14 12 42 557.7 8.46 329.65
 100.00 17 29 35 5742.97 24.71 271.89 94.70 107.38 19 5 18 5143.0 26.85 263.75
 110.00 14 5 46 1118.85 -1.53 329.54 81.93 124.15 14 24 25 518.8 2.96 323.34
 110.00 19 33 43 5354.54 31.62 244.58 96.87 103.73 21 2 57 4754.5 33.18 235.70

DIFFERENTIAL CORRECTIONS

TDE-3.2009 TRA 5.0809 TC3-1.7481 BAU .9512
 RDE .4707 RRA .0218 RC3 -.0401 FAU .01108
 FDE-1.0687 FRA 1.9203 FC3 -.2358 BSP 20435
 BDE 3.2354 BRA 5.0809 BC3 1.7486 FSP -645

MID-COURSE EXECUTION ACCURACY

SGT 6286.7 SGR 426.5 SG3 188.6
 RRT -.3688 RRF -.3737 RTF .9737
 SGB 6301.2 R23 .0141 R13 -.9737
 SG1 6288.7 SG2 396.3 THA 178.56

ORBIT DETERMINATION ACCURACY

ST 3261.3 SR 422.9 SS 946.5
 CRT -.8741 CRS .8472 CST -.9985
 LSA 3415.6 MSA 211.3 SSA 13.0
 EL1 3282.3 EL2 204.1 ALF 173.51

LAUNCH DATE JUN 8 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 607.961

RL 151.84 LAL -.00 LOL 256.54 VL 25.997 GAL 12.10 AZL 93.39 HCA 293.56 SMA 123.78 ECC .30513 INC 3.3902 V1 29.341
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.275 GAP 16.20 AZP 91.36 TAL 148.70 TAP 82.27 RCA 86.01 APO 161.55 V2 35.145
 RC 168.808 GL -12.90 GP .03 ZAL 39.02 ZAP 176.34 ETS 358.94 ZAE 124.17 ETE 180.33 ZAC 72.21 ETC 13.38 CLP-176.34

PLANETOCENTRIC CONIC

C3 45.369 VHL 6.736 DLA -26.80 RAL 212.43 RAD 6568.7 VEL 12.913 PTH 2.35 VHP 10.214 DPA -2.64 RAP 193.88 ECC 1.7467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 5 23 1362.30 6.17 352.18 90.45 117.69 13 28 5 762.3 9.83 345.42
 90.00 15 48 5 829.91 21.09 320.28 97.11 109.34 16 1 55 229.9 23.54 312.46
 100.00 13 54 17 1204.37 2.98 338.83 88.70 119.76 14 14 21 604.4 6.92 332.26
 100.00 17 41 53 5751.11 24.54 272.44 98.36 107.62 19 17 44 5151.1 26.72 264.32
 110.00 14 8 57 1158.31 -3.04 331.60 84.95 124.06 14 28 15 558.3 1.45 325.40
 110.00 19 43 42 5369.93 31.36 245.70 100.57 104.35 21 13 12 4769.9 33.01 236.87

DIFFERENTIAL CORRECTIONS

TDE-3.2774 TRA 5.4998 TC3-1.5311 BAU .9289
 RDE .4964 RRA .0042 RC3 -.0326 FAU .00916
 FDE-1.0382 FRA 1.9597 FC3 -.1747 BSP 20415
 BDE 3.3148 BRA 5.4998 BC3 1.5315 FSP -612

MID-COURSE EXECUTION ACCURACY

SGT 6284.6 SGR 424.6 SG3 179.6
 RRT -.3994 RRF -.4023 RTF .9746
 SGB 6298.9 R23 .0126 R13 -.9747
 SG1 6286.9 SG2 389.1 THA 178.45

ORBIT DETERMINATION ACCURACY

ST 3201.3 SR 422.3 SS 922.9
 CRT -.8694 CRS .8429 CST -.9986
 LSA 3351.5 MSA 213.7 SSA 12.6
 EL1 3222.4 EL2 207.3 ALF 173.43

LAUNCH DATE JUN 8 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 612.689

RL 151.84 LAL -.00 LOL 256.54 VL 25.965 GAL 13.04 AZL 93.39 HCA 296.79 SMA 123.59 ECC .31705 INC 3.3896 V1 29.341
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.243 GAP 17.02 AZP 91.53 TAL 147.67 TAP 84.45 RCA 84.41 APO 162.77 V2 35.134
 RC 170.755 GL -12.11 GP .03 ZAL 37.66 ZAP 177.44 ETS 359.03 ZAE 123.88 ETE 180.30 ZAC 70.16 ETC 13.46 CLP-177.44

PLANETOCENTRIC CONIC

C3 50.788 VHL 7.127 DLA -26.47 RAL 213.98 RAD 6568.9 VEL 13.121 PTH 2.40 VHP 10.704 DPA -3.51 RAP 195.82 ECC 1.8358
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 3 19 1418.17 4.40 355.33 93.31 118.00 13 26 57 818.2 8.11 348.62
 90.00 16 2 34 830.48 21.08 320.31 100.78 109.36 16 16 24 230.5 23.53 312.50
 100.00 13 54 41 1252.26 1.36 341.46 91.63 119.86 14 15 33 652.3 5.33 334.92
 100.00 17 53 53 5759.66 24.37 273.01 101.98 107.87 19 29 52 5159.7 26.58 264.91
 110.00 14 11 36 1199.18 -4.59 333.74 87.93 123.91 14 31 35 599.2 -.11 327.53
 110.00 19 53 27 5385.51 31.09 246.84 104.22 104.98 21 23 13 4785.5 32.83 238.05

DIFFERENTIAL CORRECTIONS

TDE-3.3637 TRA 5.9444 TC3-1.3293 BAU .9028
 RDE .5225 RRA -.0156 RC3 -.0262 FAU .00735
 FDE-1.0133 FRA 2.0013 FC3 -.1253 BSP 20479
 BDE 3.4040 BRA 5.9444 BC3 1.3296 FSP -584

MID-COURSE EXECUTION ACCURACY

SGT 6277.4 SGR 422.0 SG3 171.2
 RRT -.4304 RRF -.4314 RTF .9758
 SGB 6291.6 R23 .0110 R13 -.9758
 SG1 6280.1 SG2 380.8 THA 178.34

ORBIT DETERMINATION ACCURACY

ST 3143.5 SR 420.1 SS 903.5
 CRT -.8653 CRS .8393 CST -.9987
 LSA 3290.6 MSA 215.0 SSA 12.2
 EL1 3164.6 EL2 209.2 ALF 173.37

LAUNCH DATE JUN 8 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 617.215

RL 151.84 LAL -.00 LOL 256.54 VL 25.935 GAL 14.06 AZL 93.39 HCA 300.01 SMA 123.41 ECC .33015 INC 3.3889 V1 29.341
 RP 107.90 LAP 2.93 LOP 196.59 VP 37.210 GAP 17.92 AZP 91.70 TAL 146.68 TAP 86.69 RCA 82.66 APO 164.15 V2 35.122
 RC 172.686 GL -11.35 GP .03 ZAL 36.37 ZAP 178.56 ETS 359.44 ZAE 123.56 ETE 180.26 ZAC 68.12 ETC 13.56 CLP-178.56

PLANETOCENTRIC CONIC

C3 57.089 VHL 7.556 DLA -26.12 RAL 215.44 RAD 6569.0 VEL 13.358 PTH 2.44 VHP 11.238 DPA -4.38 RAP 197.75 ECC 1.9395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 1 8 1474.00 2.61 358.45 96.12 118.21 13 25 42 874.0 6.36 351.78
 90.00 16 16 23 832.47 21.03 320.44 104.38 109.41 16 30 16 232.5 23.49 312.63
 100.00 13 54 39 1301.15 -.30 344.15 94.51 119.89 14 16 20 701.2 3.68 337.62
 100.00 18 5 33 5768.59 24.18 273.61 105.54 108.13 19 41 42 5168.6 26.43 265.53
 110.00 14 13 44 1241.29 -6.19 335.96 90.86 123.69 14 34 25 641.3 -1.72 329.72
 110.00 20 2 58 5401.22 30.81 247.98 107.80 105.59 21 32 59 4801.2 32.64 239.23

DIFFERENTIAL CORRECTIONS

TDE-3.4565 TRA 6.4225 TC3-1.1390 BAU .8694
 RDE .5490 RRA -.0379 RC3 -.0211 FAU .00557
 FDE -.9921 FRA 2.0475 FC3 -.0844 BSP 20510
 BDE 3.4998 BRA 6.4226 BC3 1.1392 FSP -558

MID-COURSE EXECUTION ACCURACY

SGT 6265.5 SGR 418.7 SG3 163.3
 RRT -.4613 RRF -.4606 RTF .9771
 SGB 6279.5 R23 .0093 R13 -.9771
 SG1 6268.5 SG2 371.4 THA 178.23

ORBIT DETERMINATION ACCURACY

ST 3085.6 SR 416.4 SS 887.4
 CRT -.8614 CRS .8361 CST -.9988
 LSA 3230.4 MSA 215.4 SSA 11.7
 EL1 3106.5 EL2 210.1 ALF 173.34

LAUNCH DATE JUN 9 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 18 1967

HELIOCENTRIC CONIC

DISTANCE 153.689

RL 151.86 LAL -0.00 LOL 257.50 VL 21.382 GAL 4.00 AZL 93.43 HCA 59.56 SMA 102.83 ECC .48077 INC 3.4319 V1 29.337
 RP 108.94 LAP -2.96 LOP 317.01 VP 33.850 GAP -28.55 AZP 91.74 TAL 175.66 TAP 235.22 RCA 53.39 APO 152.27 V2 34.785
 RC 46.068 GL -8.91 GP -.13 ZAL 81.07 ZAP 17.37 ETS 180.28 ZAE 167.19 ETE 127.23 ZAC 110.34 ETC 15.85 CLP 17.36

PLANETOCENTRIC CONIC

C3 67.992 VHL 8.246 DLA -6.80 RAL 173.27 RAD 6569.3 VEL 13.760 PTH 2.51 VHP 16.925 DPA 12.87 RAP 157.46 ECC 2.1190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 35 2305.27 -21.66 47.31 53.54 108.70 7 17 0 1705.3 -18.91 39.72
 90.00 16 54 39 5373.77 27.85 245.67 59.16 84.65 18 24 13 4773.8 26.81 237.15
 100.00 7 56 41 2053.33 -23.06 28.26 53.01 109.57 8 30 54 1453.3 -20.18 20.65
 100.00 18 19 14 5100.95 29.32 225.43 58.99 83.90 19 44 15 4500.9 28.16 216.82
 110.00 8 57 30 1862.88 -26.80 12.24 51.44 112.05 9 28 33 1262.9 -23.57 4.56
 110.00 19 34 54 4864.16 33.29 206.87 58.40 81.77 20 55 58 4264.2 31.80 197.96

DIFFERENTIAL CORRECTIONS

TDE .4588 TRA-1.0372 TC3 -.0362 BAU .0603
 RDE -.5598 RRA -.2637 RC3 .0555 FAU .01708
 FDE -.3157 FRA .4280 FC3 -.2175 BSP 2114
 BDE .7238 BRA 1.0702 BC3 .0663 FSP -96

MID-COURSE EXECUTION ACCURACY

SGT 795.0 SGR 440.2 SG3 44.6
 RRT .0127 RRF -.0121 RTF -.6479
 SGB 908.7 R23 -.0003 R13 -.6479
 SG1 795.0 SG2 440.1 THA .58

ORBIT DETERMINATION ACCURACY

ST 386.1 SR 392.9 SS 347.0
 CRT -.7381 CRS -.8615 CST .9767
 LSA 617.9 MSA 204.8 SSA 14.3
 EL1 513.5 EL2 199.3 ALF 134.32

LAUNCH DATE JUN 9 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 160.115

RL 151.86 LAL -0.00 LOL 257.50 VL 21.864 GAL 3.78 AZL 93.43 HCA 62.72 SMA 104.52 ECC .45677 INC 3.4272 V1 29.337
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.159 GAP -27.08 AZP 91.57 TAL 175.48 TAP 238.20 RCA 56.78 APO 152.26 V2 34.787
 RC 45.125 GL -9.66 GP -.14 ZAL 80.87 ZAP 15.74 ETS 180.13 ZAE 168.13 ETE 117.08 ZAC 108.86 ETC 15.62 CLP 15.74

PLANETOCENTRIC CONIC

C3 60.357 VHL 7.769 DLA -7.58 RAL 173.17 RAD 6569.1 VEL 13.480 PTH 2.46 VHP 16.117 DPA 12.31 RAP 158.93 ECC 1.9933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 10 2251.83 -20.45 43.85 51.26 110.02 7 21 42 1651.8 -17.54 36.39
 90.00 16 48 12 5369.88 27.82 245.39 57.24 84.51 18 17 42 4769.9 26.77 236.88
 100.00 8 1 52 2001.16 -21.83 24.87 50.71 110.95 8 35 13 1401.2 -18.78 17.40
 100.00 18 13 11 5095.78 29.28 225.05 57.07 83.70 19 38 7 4495.8 28.10 216.45
 110.00 9 1 48 1813.51 -25.50 8.99 49.07 113.58 9 32 1 1213.5 -22.09 1.50
 110.00 19 29 44 4856.20 33.22 206.26 56.47 81.42 20 50 41 4256.2 31.67 197.38

DIFFERENTIAL CORRECTIONS

TDE .4593 TRA-1.0184 TC3 -.0235 BAU .0544
 RDE -.5303 RRA -.2486 RC3 .0632 FAU .01771
 FDE -.3333 FRA .4368 FC3 -.2541 BSP 2261
 BDE .7016 BRA 1.0483 BC3 .0674 FSP -107

MID-COURSE EXECUTION ACCURACY

SGT 830.8 SGR 443.6 SG3 49.0
 RRT .0111 RRF -.0110 RTF -.6686
 SGB 941.8 R23 -.0006 R13 -.6686
 SG1 830.8 SG2 443.6 THA .48

ORBIT DETERMINATION ACCURACY

ST 408.0 SR 395.0 SS 368.6
 CRT -.7439 CRS -.8673 CST .9762
 LSA 644.3 MSA 207.1 SSA 14.6
 EL1 530.3 EL2 203.1 ALF 136.24

LAUNCH DATE JUN 9 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 166.590

RL 151.86 LAL -0.00 LOL 257.50 VL 22.311 GAL 3.55 AZL 93.42 HCA 65.88 SMA 106.17 ECC .43400 INC 3.4228 V1 29.337
 RP 108.93 LAP -3.12 LOP 323.34 VP 34.449 GAP -25.68 AZP 91.40 TAL 175.35 TAP 241.23 RCA 60.09 APO 152.25 V2 34.790
 RC 44.335 GL -10.46 GP -.14 ZAL 80.80 ZAP 14.12 ETS 179.95 ZAE 168.71 ETE 105.04 ZAC 107.37 ETC 15.40 CLP 14.12

PLANETOCENTRIC CONIC

C3 53.663 VHL 7.325 DLA -8.34 RAL 172.94 RAD 6568.9 VEL 13.230 PTH 2.42 VHP 15.342 DPA 11.74 RAP 160.39 ECC 1.8832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 14 2198.43 -19.17 40.46 48.92 111.25 7 25 52 1598.4 -16.12 33.12
 90.00 16 41 18 5365.59 27.79 245.07 55.18 84.36 18 10 44 4765.6 26.72 236.57
 100.00 8 6 32 1949.05 -20.52 21.55 48.34 112.22 8 39 1 1349.1 -17.33 14.21
 100.00 18 6 41 5090.20 29.24 224.65 55.01 83.49 19 31 31 4490.2 28.03 216.05
 110.00 9 5 34 1764.21 -24.12 5.83 46.64 114.99 9 34 58 1164.2 -20.55 358.50
 110.00 19 24 8 4847.80 33.13 205.62 54.39 81.05 20 44 56 4247.8 31.54 196.76

DIFFERENTIAL CORRECTIONS

TDE .4584 TRA-1.0006 TC3 -.0084 BAU .0518
 RDE -.5017 RRA -.2339 RC3 .0717 FAU .01840
 FDE -.3518 FRA .4453 FC3 -.2969 BSP 2356
 BDE .6796 BRA 1.0276 BC3 .0721 FSP -120

MID-COURSE EXECUTION ACCURACY

SGT 868.6 SGR 446.3 SG3 53.9
 RRT .0111 RRF -.0100 RTF -.6865
 SGB 976.5 R23 .0003 R13 -.6865
 SG1 868.6 SG2 446.3 THA .44

ORBIT DETERMINATION ACCURACY

ST 430.0 SR 396.3 SS 391.1
 CRT -.7484 CRS -.8730 CST .9753
 LSA 671.4 MSA 209.3 SSA 14.9
 EL1 547.0 EL2 206.6 ALF 138.11

LAUNCH DATE JUN 9 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 173.110

RL 151.86 LAL -0.00 LOL 257.50 VL 22.725 GAL 3.31 AZL 93.42 HCA 69.04 SMA 107.78 ECC .41243 INC 3.4185 V1 29.337
 RP 108.92 LAP -3.19 LOP 326.50 VP 34.722 GAP -24.35 AZP 91.22 TAL 175.27 TAP 244.31 RCA 63.33 APO 152.23 V2 34.793
 RC 43.707 GL -11.28 GP -.15 ZAL 80.84 ZAP 12.50 ETS 179.76 ZAE 168.80 ETE 91.75 ZAC 105.88 ETC 15.19 CLP 12.50

PLANETOCENTRIC CONIC

C3 47.794 VHL 6.913 DLA -9.09 RAL 172.58 RAD 6568.8 VEL 13.006 PTH 2.37 VHP 14.599 DPA 11.17 RAP 161.85 ECC 1.7866
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 46 2145.32 -17.83 37.14 46.51 112.37 7 29 31 1545.3 -14.64 29.92
 90.00 16 33 57 5361.04 27.76 244.74 52.99 84.19 18 3 18 4761.0 26.67 236.25
 100.00 8 10 40 1897.23 -19.15 18.31 45.92 113.40 8 42 17 1297.2 -15.83 11.10
 100.00 17 59 44 5084.36 29.19 224.22 52.81 83.27 19 24 29 4484.4 27.95 215.63
 110.00 9 8 48 1715.21 -22.68 2.76 44.18 116.29 9 37 23 1115.2 -18.96 355.59
 110.00 19 18 6 4839.15 33.03 204.97 52.18 80.67 20 38 45 4239.1 31.39 196.12

DIFFERENTIAL CORRECTIONS

TDE .4603 TRA -.9795 TC3 .0131 BAU .0524
 RDE -.4741 RRA -.2196 RC3 .0809 FAU .01919
 FDE -.3723 FRA .4526 FC3 -.3476 BSP 2514
 BDE .6608 BRA 1.0038 BC3 .0819 FSP -135

MID-COURSE EXECUTION ACCURACY

SGT 906.5 SGR 448.2 SG3 59.3
 RRT .0089 RRF -.0082 RTF -.7055
 SGB 1011.2 R23 .0001 R13 -.7055
 SG1 906.5 SG2 448.2 THA .33

ORBIT DETERMINATION ACCURACY

ST 454.3 SR 396.8 SS 415.3
 CRT -.7559 CRS -.8794 CST .9750
 LSA 701.4 MSA 210.1 SSA 15.2
 EL1 566.0 EL2 208.5 ALF 140.08

LAUNCH DATE JUN 9 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

RL 151.86 LAL -.00 LOL 257.50 VL 23.108 GAL 3.05 AZL 93.41 HCA 72.20 SMA 109.34 ECC .39205 INC 3.4145 V1 29.337
 RP 108.90 LAP -3.25 LOP 329.67 VP 34.978 GAP -23.08 AZP 91.04 TAL 175.24 TAP 247.45 RCA 66.47 APO 152.20 V2 34.797
 RC 43.245 GL -12.15 GP -.16 ZAL 81.00 ZAP 10.87 ETS 179.52 ZAE 168.34 ETE 78.50 ZAC 104.40 ETC 15.00 CLP 10.87

PLANETOCENTRIC CONIC

C3 42.650 VHL 6.531 DLA -9.83 RAL 172.11 RAD 6568.6 VEL 12.807 PTH 2.33 VHP 13.886 DPA 10.59 RAP 163.30 ECC 1.7019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 45 2092.74 -16.44 33.91 44.06 113.39 7 32 38 1492.7 -13.13 26.79
 90.00 16 26 9 5356.40 27.73 244.41 50.68 84.03 17 55 26 4756.4 26.61 235.92
 100.00 8 14 15 1845.95 -17.74 15.16 43.46 114.46 8 45 1 1245.9 -14.29 8.07
 100.00 17 52 21 5078.43 29.14 223.78 50.50 83.04 19 16 59 4478.4 27.88 215.21
 110.00 9 11 29 1666.74 -21.18 359.79 41.68 117.48 9 39 16 1066.7 -17.33 352.77
 110.00 19 11 36 4830.39 32.94 204.30 49.85 80.29 20 32 7 4230.4 31.25 195.49

DIFFERENTIAL CORRECTIONS

TDE .4627 TRA -.9574 TC3 .0392 BAU .0564
 RDE -.4476 RRA -.2056 RC3 .0909 FAU .02005
 FDE -.3944 FRA .4593 FC3 -.4070 BSP 2665
 BDE .6438 BRA .9792 BC3 .0990 FSP -151

DISTANCE 179.669

SGT 945.6 SGR 449.2 SG3 65.2
 RRT .0064 RRF -.0062 RTF -.7235
 SGB 1046.9 R23 -.0001 R13 -.7235
 SG1 945.6 SG2 449.2 THA .23

ORBIT DETERMINATION ACCURACY

ST 479.8 SR 396.5 SS 440.9
 CRT -.7641 CRS -.8859 CST .9748
 LSA 733.1 MSA 210.1 SSA 15.5
 EL1 586.2 EL2 209.4 ALF 142.05

LAUNCH DATE JUN 9 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

RL 151.86 LAL -.00 LOL 257.50 VL 23.463 GAL 2.80 AZL 93.41 HCA 75.37 SMA 110.84 ECC .37284 INC 3.4106 V1 29.337
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.217 GAP -21.87 AZP 90.86 TAL 175.28 TAP 250.64 RCA 69.52 APO 152.17 V2 34.801
 RC 42.956 GL -13.05 GP -.17 ZAL 81.29 ZAP 9.23 ETS 179.23 ZAE 167.34 ETE 66.51 ZAC 102.93 ETC 14.82 CLP 9.23

PLANETOCENTRIC CONIC

C3 38.144 VHL 6.176 DLA -10.55 RAE 171.50 RAD 6568.5 VEL 12.630 PTH 2.29 VHP 13.201 DPA 10.00 RAP 164.73 ECC 1.6277
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 11 2040.92 -15.01 30.78 41.57 114.29 7 35 12 1440.9 -11.61 23.75
 90.00 16 17 55 5351.83 27.70 244.08 48.27 83.87 17 47 7 4751.8 26.56 235.60
 100.00 8 17 16 1795.44 -16.29 12.11 40.95 115.42 8 47 11 1195.4 -12.73 5.13
 100.00 17 44 31 5072.54 29.10 223.35 48.08 82.82 19 9 3 4472.5 27.80 214.79
 110.00 9 13 36 1619.06 -19.66 356.93 39.15 118.54 9 40 35 1019.1 -15.69 350.05
 110.00 19 4 41 4821.70 32.83 203.64 47.42 79.91 20 25 2 4221.7 31.09 194.85

DIFFERENTIAL CORRECTIONS

TDE .4660 TRA -.9341 TC3 .0718 BAU .0634
 RDE -.4222 RRA -.1922 RC3 .1016 FAU .02103
 FDE -.4186 FRA .4651 FC3 -.4772 BSP 2822
 BDE .6288 BRA .9537 BC3 .1244 FSP -169

DISTANCE 186.264

SGT 985.8 SGR 449.5 SG3 71.8
 RRT .0038 RRF -.0039 RTF -.7408
 SGB 1083.4 R23 -.0004 R13 -.7408
 SG1 985.8 SG2 449.5 THA .13

ORBIT DETERMINATION ACCURACY

ST 506.8 SR 395.4 SS 468.1
 CRT -.7730 CRS -.8926 CST .9747
 LSA 767.0 MSA 209.3 SSA 15.8
 EL1 607.8 EL2 209.1 ALF 143.98

LAUNCH DATE JUN 9 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

RL 151.86 LAL -.00 LOL 257.50 VL 23.790 GAL 2.54 AZL 93.41 HCA 78.53 SMA 112.30 ECC .35479 INC 3.4068 V1 29.337
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.442 GAP -20.71 AZP 90.68 TAL 175.36 TAP 253.90 RCA 72.45 APO 152.14 V2 34.806
 RC 42.841 GL -13.98 GP -.18 ZAL 81.69 ZAP 7.58 ETS 178.85 ZAE 165.92 ETE 56.44 ZAC 101.47 ETC 14.65 CLP 7.58

PLANETOCENTRIC CONIC

C3 34.199 VHL 5.848 DLA -11.25 RAL 170.77 RAD 6568.3 VEL 12.473 PTH 2.26 VHP 12.543 DPA 9.41 RAP 166.14 ECC 1.5628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 1 1990.16 -13.57 27.75 39.04 115.09 7 37 11 1390.2 -10.07 20.81
 90.00 16 9 16 5347.44 27.67 243.76 45.76 83.71 17 38 23 4747.4 26.51 235.29
 100.00 8 19 42 1745.99 -14.82 9.17 38.42 116.26 8 48 48 1146.0 -11.17 2.28
 100.00 17 36 16 5066.85 29.05 222.94 45.57 82.61 19 0 43 4466.8 27.72 214.38
 110.00 9 15 7 1572.41 -18.12 354.19 36.60 119.50 9 41 20 972.4 -14.05 347.43
 110.00 18 57 19 4813.19 32.73 203.00 44.90 79.54 20 17 33 4213.2 30.94 194.24

DIFFERENTIAL CORRECTIONS

TDE .4693 TRA -.9103 TC3 .1104 BAU .0722
 RDE -.3979 RRA -.1792 RC3 .1129 FAU .02211
 FDE -.4450 FRA .4703 FC3 -.5596 BSP 2966
 BDE .6153 BRA .9277 BC3 .1579 FSP -189

DISTANCE 192.888

SGT 1027.1 SGR 448.8 SG3 79.1
 RRT .0013 RRF -.0015 RTF -.7569
 SGB 1120.9 R23 -.0003 R13 -.7569
 SG1 1027.1 SG2 448.8 THA .04

ORBIT DETERMINATION ACCURACY

ST 534.6 SR 393.5 SS 497.0
 CRT -.7822 CRS -.8993 CST .9747
 LSA 802.6 MSA 207.9 SSA 16.1
 EL1 630.4 EL2 207.9 ALF 145.85

LAUNCH DATE JUN 9 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

RL 151.86 LAL -.00 LOL 257.50 VL 24.093 GAL 2.28 AZL 93.40 HCA 81.70 SMA 113.69 ECC .33785 INC 3.4030 V1 29.337
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.651 GAP -19.60 AZP 90.49 TAL 175.51 TAP 257.21 RCA 75.28 APO 152.10 V2 34.812
 RC 42.900 GL -14.93 GP -.19 ZAL 82.22 ZAP 5.91 ETS 178.29 ZAE 164.21 ETE 48.30 ZAC 100.02 ETC 14.49 CLP 5.91

PLANETOCENTRIC CONIC

C3 30.749 VHL 5.545 DLA -11.92 RAL 169.92 RAD 6568.2 VEL 12.334 PTH 2.22 VHP 11.912 DPA 8.83 RAP 167.54 ECC 1.5060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 15 1940.71 -12.12 24.84 36.48 115.79 7 38 36 1340.7 -8.55 17.97
 90.00 16 0 12 5343.33 27.64 243.47 43.18 83.56 17 29 15 4743.3 26.46 235.00
 100.00 8 21 31 1697.85 -13.35 6.36 35.85 117.00 8 49 49 1097.8 -9.62 359.55
 100.00 17 27 37 5061.43 29.00 222.54 42.99 82.41 18 51 58 4461.4 27.64 214.00
 110.00 9 16 3 1527.06 -16.58 351.57 34.03 120.33 9 41 31 927.1 -12.43 344.93
 110.00 18 49 34 4804.97 32.63 202.38 42.30 79.19 20 9 39 4205.0 30.79 193.64

DIFFERENTIAL CORRECTIONS

TDE .4743 TRA -.8842 TC3 .1569 BAU .0824
 RDE -.3747 RRA -.1668 RC3 .1249 FAU .02332
 FDE -.4744 FRA .4741 FC3 -.6567 BSP 3139
 BDE .6044 BRA .8998 BC3 .2005 FSP -212

DISTANCE 199.539

SGT 1068.8 SGR 447.4 SG3 87.3
 RRT -.0025 RRF .0017 RTF -.7725
 SGB 1158.6 R23 .0006 R13 .7725
 SG1 1068.8 SG2 447.4 THA 179.93

ORBIT DETERMINATION ACCURACY

ST 564.5 SR 390.8 SS 528.1
 CRT -.7929 CRS -.9064 CST .9749
 LSA 841.3 MSA 205.4 SSA 16.4
 EL1 655.2 EL2 205.2 ALF 147.68

LAUNCH DATE JUN 9 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 206.210

RL 151.86 LAL -.00 LOL 257.50 VL 24.373 GAL 2.03 AZL 93.40 HCA 84.87 SMA 115.03 ECC .32201 INC 3.3994 V1 29.337
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.847 GAP -18.54 AZP 90.30 TAL 175.71 TAP 260.58 RCA 77.99 APO 152.07 V2 34.819
 RC 43.133 GL -15.92 GP -.20 ZAL 82.86 ZAP 4.22 ETS 177.34 ZAE 162.32 ETE 41.82 ZAC 98.59 ETC 14.35 CLP 4.22

PLANETOCENTRIC CONIC

C3 27.735 VHL 5.266 DLA -12.58 RAL 168.94 RAD 6568.1 VEL 12.211 PTH 2.19 VHP 11.305 DPA 8.24 RAP 168.91 ECC 1.4564
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 7 52 1892.85 -10.69 22.05 33.90 116.38 7 39 25 1292.9 -7.06 15.25
 90.00 15 50 47 5339.57 27.61 243.19 40.53 83.43 17 19 46 4739.6 26.41 234.73
 100.00 8 22 44 1651.30 -11.90 3.66 33.27 117.63 8 50 16 1051.3 -8.10 356.93
 100.00 17 18 36 5056.36 28.95 222.17 40.34 82.22 18 42 52 4456.4 27.57 213.64
 110.00 9 16 23 1483.28 -15.06 349.09 31.45 121.06 9 41 7 883.3 -10.83 342.54
 110.00 18 41 26 4797.15 32.53 201.79 39.64 78.86 20 1 23 4197.1 30.65 193.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4792 TRA -.8575 TC3 .2109 BAU .0933 SGT 1111.2 SGR 445.0 SG3 96.4 ST 595.0 SR 387.3 SS 561.1
 RDE -.3528 RRA -.1549 RC3 .1372 FAU .02468 RRT -.0059 RRF .0052 RTF -.7870 CRT -.8036 CRS -.9135 CST .9751
 FDE -.5067 FRA .4769 FC3 -.7704 BSP 3286 SGB 1197.0 R23 .0004 R13 .7870 LSA 881.8 MSA 202.5 SSA 16.8
 BDE .5950 BRA .8714 BC3 .2516 FSP -237 SG1 1111.2 SG2 445.0 THA 179.84 EL1 680.8 EL2 201.5 ALF 149.42

LAUNCH DATE JUN 9 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 212.899

RL 151.86 LAL -.00 LOL 257.50 VL 24.631 GAL 1.78 AZL 93.40 HCA 88.03 SMA 116.30 ECC .30723 INC 3.3957 V1 29.337
 RP 108.81 LAP -3.39 LOP 345.53 VP 36.030 GAP -17.52 AZP 90.12 TAL 175.97 TAP 264.00 RCA 80.57 APO 152.03 V2 34.826
 RC 43.534 GL -16.92 GP -.21 ZAL 83.62 ZAP 2.51 ETS 175.14 ZAE 160.36 ETE 36.65 ZAC 97.20 ETC 14.22 CLP 2.50

PLANETOCENTRIC CONIC

C3 25.105 VHL 5.010 DLA -13.20 RAL 167.84 RAD 6568.0 VEL 12.103 PTH 2.17 VHP 10.722 DPA 7.66 RAP 170.25 ECC 1.4132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 52 1846.86 -9.28 19.40 31.31 116.87 7 39 39 1246.9 -5.61 12.65
 90.00 15 41 3 5336.19 27.58 242.95 37.83 83.31 17 9 59 4736.2 26.37 234.49
 100.00 8 23 20 1606.59 -10.47 1.11 30.68 118.16 8 50 6 1006.6 -6.63 354.43
 100.00 17 9 16 5051.68 28.91 221.83 37.64 82.04 18 33 28 4451.7 27.51 213.31
 110.00 9 16 6 1441.29 -13.57 346.75 28.86 121.68 9 40 8 841.3 -9.28 340.27
 110.00 18 32 59 4789.75 32.43 201.24 36.94 78.54 19 52 48 4189.8 30.51 192.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4848 TRA -.8298 TC3 .2724 BAU .1043 SGT 1154.0 SGR 441.8 SG3 106.5 ST 626.8 SR 383.1 SS 596.2
 RDE -.3321 RRA -.1436 RC3 .1497 FAU .02620 RRT -.0101 RRF .0091 RTF -.8004 CRT -.8149 CRS -.9205 CST .9755
 FDE -.5426 FRA .4785 FC3 -.9033 BSP 3445 SGB 1235.6 R23 .0003 R13 .8004 LSA 924.8 MSA 198.9 SSA 17.1
 BDE .5876 BRA .8421 BC3 .3109 FSP -267 SG1 1154.0 SG2 441.7 THA 179.74 EL1 707.8 EL2 196.7 ALF 151.08

LAUNCH DATE JUN 9 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 219.601

RL 151.86 LAL -.00 LOL 257.50 VL 24.868 GAL 1.54 AZL 93.39 HCA 91.20 SMA 117.51 ECC .29347 INC 3.3921 V1 29.337
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.200 GAP -16.54 AZP 89.93 TAL 176.28 TAP 267.49 RCA 83.02 APO 152.00 V2 34.834
 RC 44.099 GL -17.94 GP -.22 ZAL 84.48 ZAP .77 ETS 163.17 ZAE 158.41 ETE 32.48 ZAC 95.83 ETC 14.10 CLP .74

PLANETOCENTRIC CONIC

C3 22.813 VHL 4.776 DLA -13.79 RAL 166.64 RAD 6567.9 VEL 12.008 PTH 2.14 VHP 10.163 DPA 7.09 RAP 171.55 ECC 1.3755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 9 13 1803.00 -7.93 16.90 28.71 117.27 7 39 16 1203.0 -4.21 10.19
 90.00 15 31 5 5333.17 27.56 242.73 35.10 83.21 16 59 58 4733.2 26.33 234.28
 100.00 8 23 17 1564.01 -9.09 358.70 28.08 118.60 8 49 21 964.0 -5.21 352.07
 100.00 16 59 41 5047.39 28.87 221.52 34.91 81.88 18 23 49 4447.4 27.44 213.00
 110.00 9 15 13 1401.36 -12.13 344.55 26.27 122.21 9 38 34 801.4 -7.79 338.14
 110.00 18 24 15 4782.81 32.33 200.72 34.20 78.25 19 43 58 4182.8 30.38 192.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4910 TRA -.8009 TC3 .3437 BAU .1159 SGT 1197.3 SGR 437.6 SG3 117.9 ST 659.6 SR 378.2 SS 633.5
 RDE -.3125 RRA -.1329 RC3 .1623 FAU .02793 RRT -.0144 RRF .0132 RTF -.8134 CRT -.8265 CRS -.9275 CST .9760
 FDE -.5824 FRA .4791 FC3 -1.0599 BSP 3613 SGB 1274.7 R23 .0004 R13 .8134 LSA 970.1 MSA 194.8 SSA 17.4
 BDE .5820 BRA .8119 BC3 .3801 FSP -300 SG1 1197.3 SG2 437.6 THA 179.65 EL1 736.0 EL2 190.8 ALF 152.66

LAUNCH DATE JUN 9 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 226.312

RL 151.86 LAL -.00 LOL 257.50 VL 25.087 GAL 1.31 AZL 93.39 HCA 94.37 SMA 118.66 ECC .28070 INC 3.3885 V1 29.337
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.359 GAP -15.60 AZP 89.74 TAL 176.65 TAP 271.02 RCA 85.35 APO 151.96 V2 34.842
 RC 44.820 GL -18.96 GP -.24 ZAL 85.45 ZAP 1.08 ETS 12.39 ZAE 156.51 ETE 29.07 ZAC 94.50 ETC 13.99 CLP -1.05

PLANETOCENTRIC CONIC

C3 20.820 VHL 4.563 DLA -14.34 RAL 165.33 RAD 6567.8 VEL 11.925 PTH 2.12 VHP 9.626 DPA 6.53 RAP 172.81 ECC 1.3426
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 56 1761.53 -6.62 14.54 26.11 117.59 7 38 17 1161.5 -2.88 7.87
 90.00 15 20 56 5330.48 27.53 242.54 32.35 83.11 16 49 47 4730.5 26.29 234.09
 100.00 8 22 37 1523.77 -7.78 356.44 25.48 118.95 8 48 1 923.8 -3.85 349.85
 100.00 16 49 56 5043.46 28.83 221.23 32.16 81.74 18 14 0 4443.5 27.39 212.73
 110.00 9 13 44 1363.68 -10.75 342.50 23.69 122.64 9 36 27 763.7 -6.37 336.14
 110.00 18 15 19 4776.32 32.24 200.24 31.45 77.98 19 34 55 4176.3 30.25 191.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4977 TRA -.7700 TC3 .4226 BAU .1273 SGT 1239.0 SGR 432.6 SG3 130.6 ST 693.1 SR 372.5 SS 673.2
 RDE -.2942 RRA -.1228 RC3 .1745 FAU .02985 RRT -.0199 RRF .0180 RTF -.8257 CRT -.8387 CRS -.9343 CST .9767
 FDE -.6268 FRA .4779 FC3 -1.2413 BSP 3774 SGB 1312.4 R23 .0007 R13 .8257 LSA 1017.8 MSA 190.1 SSA 17.7
 BDE .5782 BRA .7797 BC3 .4572 FSP -336 SG1 1239.1 SG2 432.5 THA 179.55 EL1 765.1 EL2 183.8 ALF 154.13

LAUNCH DATE JUN 9 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 233.029

RL 151.86 LAL -.00 LOL 257.50 VL 25.288 GAL 1.08 AZL 93.38 HCA 97.55 SMA 119.74 ECC .26888 INC 3.3848 V1 29.337
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.506 GAP -14.70 AZP 89.55 TAL 177.06 TAP 274.61 RCA 87.55 APO 151.94 V2 34.851
 RC 45.690 GL -19.98 GP -.25 ZAL 86.50 ZAP 2.91 ETS 4.66 ZAE 154.72 ETE 26.25 ZAC 93.22 ETC 13.89 CLP -2.90

PLANETOCENTRIC CONIC

C3 19.089 VHL 4.369 DLA -14.86 RAL 163.94 RAD 6567.8 VEL 11.852 PTH 2.10 VHP 9.111 DPA 5.98 RAP 174.03 ECC 1.3142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 8 0 1722.67 -5.39 12.35 23.52 117.84 7 36 43 1122.7 -1.63 5.70
 90.00 15 10 43 5328.04 27.51 242.36 29.61 83.02 16 39 31 4728.0 26.26 233.92
 100.00 8 21 20 1486.10 -6.53 354.34 22.90 119.24 8 46 6 886.1 -2.58 347.77
 100.00 16 40 5 5039.84 28.79 220.97 29.41 81.60 18 4 5 4439.8 27.33 212.47
 110.00 9 11 39 1328.46 -9.45 340.60 21.12 123.00 9 33 48 728.5 -5.04 334.29
 110.00 18 6 15 4770.25 32.15 199.78 28.70 77.72 19 25 45 4170.2 30.13 191.16

DIFFERENTIAL CORRECTIONS

TDE .5045 TRA -.7392 TC3 .5096 BAU .1385
 RDE -.2770 RRA -.1132 RC3 .1862 FAU .03204
 FDE -.6766 FRA .4746 FC3-1.4532 BSP 3935
 BDE .5755 BRA .7478 BC3 .5426 FSP -378

MID-COURSE EXECUTION ACCURACY

SGT 1281.3 SGR 426.7 SG3 144.9
 RRT -.0253 RRF .0235 RTF -.8366
 SGB 1350.5 R23 .0003 R13 .8366
 SG1 1281.4 SG2 426.5 THA 179.46

ORBIT DETERMINATION ACCURACY

ST 726.9 SR 366.3 SS 715.4
 CRT -.8505 CRS -.9411 CST .9773
 LSA 1067.5 MSA 185.6 SSA 18.0
 EL1 794.6 EL2 176.2 ALF 155.52

LAUNCH DATE JUN 9 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 239.749

RL 151.86 LAL -.00 LOL 257.50 VL 25.472 GAL .86 AZL 93.38 HCA 100.72 SMA 120.76 ECC .25797 INC 3.3811 V1 29.337
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.643 GAP -13.83 AZP 89.37 TAL 177.52 TAP 278.24 RCA 89.61 APO 151.91 V2 34.860
 RC 46.700 GL -20.99 GP -.27 ZAL 87.62 ZAP 4.81 ETS 2.83 ZAE 153.08 ETE 23.88 ZAC 91.99 ETC 13.81 CLP -4.80

PLANETOCENTRIC CONIC

C3 17.588 VHL 4.194 DLA -15.33 RAL 162.46 RAD 6567.7 VEL 11.789 PTH 2.08 VHP 8.616 DPA 5.45 RAP 175.20 ECC 1.2895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 6 28 1686.61 -4.24 10.33 20.96 118.02 7 34 35 1086.6 -.46 3.69
 90.00 15 0 31 5325.77 27.49 242.20 26.88 82.94 16 29 17 4725.8 26.23 233.76
 100.00 8 19 26 1451.18 -5.36 352.40 20.34 119.45 8 43 37 851.2 -1.40 345.86
 100.00 16 30 14 5036.43 28.76 220.72 26.68 81.48 17 54 10 4436.4 27.28 212.23
 110.00 9 9 1 1295.84 -8.24 338.85 18.58 123.29 9 30 37 695.8 -3.80 332.58
 110.00 17 57 8 4764.54 32.07 199.36 25.97 77.48 19 16 32 4164.5 30.02 190.75

DIFFERENTIAL CORRECTIONS

TDE .5113 TRA -.7086 TC3 .6024 BAU .1490
 RDE -.2610 RRA -.1043 RC3 .1970 FAU .03450
 FDE -.7326 FRA .4709 FC3-1.6979 BSP 4076
 BDE .5740 BRA .7163 BC3 .6338 FSP -426

MID-COURSE EXECUTION ACCURACY

SGT 1323.2 SGR 419.9 SG3 161.1
 RRT -.0312 RRF .0295 RTF -.8466
 SGB 1388.2 R23 -.0001 R13 .8466
 SG1 1323.3 SG2 419.6 THA 179.37

ORBIT DETERMINATION ACCURACY

ST 760.8 SR 359.4 SS 760.5
 CRT -.8619 CRS -.9474 CST .9779
 LSA 1119.4 MSA 181.1 SSA 18.2
 EL1 824.4 EL2 168.2 ALF 156.82

LAUNCH DATE JUN 9 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 246.468

RL 151.86 LAL -.00 LOL 257.50 VL 25.641 GAL .66 AZL 93.38 HCA 103.90 SMA 121.72 ECC .24793 INC 3.3773 V1 29.337
 RP 108.68 LAP -3.28 LOP 36.770 VP 36.770 GAP -13.00 AZP 89.19 TAL 178.01 TAP 281.91 RCA 91.54 APO 151.89 V2 34.870
 RC 47.841 GL -21.98 GP -.30 ZAL 88.81 ZAP 6.77 ETS 2.00 ZAE 151.61 ETE 21.88 ZAC 90.81 ETC 13.74 CLP -6.76

PLANETOCENTRIC CONIC

C3 16.290 VHL 4.036 DLA -15.76 RAL 160.93 RAD 6567.7 VEL 11.733 PTH 2.07 VHP 8.143 DPA 4.94 RAP 176.30 ECC 1.2681
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 4 20 1653.52 -3.18 8.47 18.43 118.15 7 31 54 1053.5 .61 1.84
 90.00 14 50 26 5323.56 27.48 242.04 24.18 82.87 16 19 9 4723.6 26.20 233.60
 100.00 8 16 58 1419.15 -4.29 350.63 17.82 119.61 8 40 38 819.1 -.31 344.10
 100.00 16 20 29 5033.17 28.73 220.48 23.98 81.36 17 44 22 4433.2 27.23 212.00
 110.00 9 5 53 1265.95 -7.12 337.26 16.08 123.52 9 26 59 666.0 -2.66 331.01
 110.00 17 48 4 4759.12 31.99 198.96 23.27 77.26 19 7 23 4159.1 29.91 190.37

DIFFERENTIAL CORRECTIONS

TDE .5173 TRA -.6757 TC3 .6997 BAU .1589
 RDE -.2461 RRA -.0959 RC3 .2065 FAU .03724
 FDE -.7946 FRA .4640 FC3-1.9790 BSP 4228
 BDE .5728 BRA .6825 BC3 .7296 FSP -481

MID-COURSE EXECUTION ACCURACY

SGT 1360.7 SGR 412.2 SG3 179.0
 RRT -.0381 RRF .0362 RTF -.8558
 SGB 1421.8 R23 -.0003 R13 .8558
 SG1 1360.8 SG2 411.8 THA 179.27

ORBIT DETERMINATION ACCURACY

ST 793.0 SR 352.0 SS 807.3
 CRT -.8733 CRS -.9535 CST .9785
 LSA 1171.8 MSA 176.4 SSA 18.4
 EL1 852.8 EL2 159.4 ALF 158.00

LAUNCH DATE JUN 9 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 253.183

RL 151.86 LAL -.00 LOL 257.50 VL 25.795 GAL .46 AZL 93.37 HCA 107.07 SMA 122.61 ECC .23872 INC 3.3733 V1 29.337
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.888 GAP -12.19 AZP 89.01 TAL 178.54 TAP 285.61 RCA 93.34 APO 151.88 V2 34.881
 RC 49.103 GL -22.94 GP -.32 ZAL 90.04 ZAP 8.80 ETS 1.51 ZAE 150.33 ETE 20.17 ZAC 89.71 ETC 13.67 CLP -8.80

PLANETOCENTRIC CONIC

C3 15.169 VHL 3.895 DLA -16.14 RAL 159.36 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 7.689 DPA 4.46 RAP 177.34 ECC 1.2496
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 39 1623.51 -2.22 6.79 15.96 118.24 7 28 42 1023.5 1.57 .17
 90.00 14 40 34 5321.30 27.46 241.88 21.53 82.79 16 9 15 4721.3 26.17 233.45
 100.00 8 13 59 1390.10 -3.31 349.03 15.35 119.73 8 37 9 790.1 .67 342.51
 100.00 16 10 55 5029.93 28.69 220.25 21.34 81.24 17 34 45 4429.9 27.18 211.77
 110.00 9 2 16 1238.87 -6.10 335.83 13.62 123.70 9 22 55 638.9 -1.63 329.60
 110.00 17 39 7 4753.94 31.91 198.57 20.62 77.04 18 58 21 4153.9 29.80 190.00

DIFFERENTIAL CORRECTIONS

TDE .5243 TRA -.6413 TC3 .8045 BAU .1688
 RDE -.2323 RRA -.0881 RC3 .2145 FAU .04040
 FDE -.8645 FRA .4545 FC3-2.3056 BSP 4391
 BDE .5734 BRA .6473 BC3 .8326 FSP -543

MID-COURSE EXECUTION ACCURACY

SGT 1397.2 SGR 403.6 SG3 199.4
 RRT -.0466 RRF .0435 RTF -.8651
 SGB 1454.3 R23 .0005 R13 .8652
 SG1 1397.3 SG2 403.1 THA 179.16

ORBIT DETERMINATION ACCURACY

ST 825.8 SR 344.1 SS 856.9
 CRT -.8850 CRS -.9593 CST .9795
 LSA 1226.8 MSA 171.5 SSA 18.5
 EL1 882.0 EL2 150.0 ALF 159.13

LAUNCH DATE JUN 9 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 259.894

RL 151.86 LAL -1.00 LOL 257.50 VL 25.936 GAL .27 AZL 93.37 HCA 110.25 SMA 123.44 ECC .23030 INC 3.3693 V1 29.337
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.997 GAP -11.41 AZP 88.83 TAL 179.09 TAP 289.34 RCA 95.01 APO 151.87 V2 34.891
 RC 50.476 GL -23.86 GP -.35 ZAL 91.30 ZAP 10.92 ETS 1.18 ZAE 149.27 ETE 18.69 ZAC 88.69 ETC 13.62 CLP -10.92

PLANETOCENTRIC CONIC

C3 14.203 VHL 3.769 DLA -16.47 RAL 157.76 RAD 6567.6 VEL 11.644 PTH 2.04 VHP 7.255 DPA 4.00 RAP 178.30 ECC 1.2337
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 58 28 1596.60 -1.35 5.29 13.55 118.29 7 25 5 996.6 2.44 358.66
 90.00 14 31 1 5318.91 27.44 241.71 18.96 82.70 15 59 40 4718.9 26.14 233.28
 100.00 8 10 32 1364.08 -2.43 347.60 12.95 119.80 8 33 16 764.1 1.55 341.08
 100.00 16 1 39 5026.67 28.66 220.01 18.76 81.12 17 25 25 4426.7 27.13 211.54
 110.00 8 58 15 1214.59 -5.18 334.55 11.24 123.84 9 18 30 614.6 -.70 328.33
 110.00 17 30 25 4748.92 31.83 198.20 18.05 76.84 18 49 34 4148.9 29.70 189.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5259 TRA -.6127 TC3 .9050 BAU .1769 SGT 1431.1 SGR 394.1 SG3 222.4 ST 851.3 SR 335.7 SS 907.6
 RDE -.2193 RRA -.0809 RC3 .2207 FAU .04394 RRT -.0509 RRF .0498 RTF -.8713 CRT -.8934 CRS -.9642 CST .9795
 FDE -.9412 FRA .4471 FC3-2.6785 BSP 4457 SGB 1484.4 R23 -.0019 R13 .8713 LSA 1277.6 MSA 169.0 SSA 18.6
 BDE .5699 BRA .6180 BC3 .9315 FSP -609 SG1 1431.3 SG2 393.5 THA 179.13 EL1 904.0 EL2 142.0 ALF 160.08

LAUNCH DATE JUN 9 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 266.595

RL 151.86 LAL -1.00 LOL 257.50 VL 26.065 GAL .10 AZL 93.37 HCA 113.44 SMA 124.21 ECC .22263 INC 3.3651 V1 29.337
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.097 GAP -10.67 AZP 88.66 TAL 179.65 TAP 293.09 RCA 96.56 APO 151.86 V2 34.903
 RC 51.950 GL -24.73 GP -.38 ZAL 92.58 ZAP 13.14 ETS .95 ZAE 148.44 ETE 17.41 ZAC 87.77 ETC 13.58 CLP -13.13

PLANETOCENTRIC CONIC

C3 13.371 VHL 3.657 DLA -16.75 RAL 156.17 RAD 6567.5 VEL 11.608 PTH 2.03 VHP 6.840 DPA 3.58 RAP 179.17 ECC 1.2201
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 52 1572.80 -.58 3.97 11.22 118.31 7 21 4 972.8 3.21 357.33
 90.00 14 21 54 5316.29 27.41 241.52 16.47 82.61 15 50 30 4716.3 26.11 233.09
 100.00 8 6 41 1341.05 -1.65 346.33 10.62 119.85 8 29 2 741.0 2.33 339.81
 100.00 15 52 46 5023.28 28.62 219.77 16.28 80.99 17 16 29 4423.3 27.08 211.30
 110.00 8 53 55 1193.09 -4.36 333.42 8.93 123.94 9 13 48 593.1 .12 327.21
 110.00 17 22 1 4744.00 31.76 197.84 15.56 76.63 18 41 5 4144.0 29.59 189.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5302 TRA -.5826 TC3 .9950 BAU .1823 SGT 1458.9 SGR 383.8 SG3 247.8 ST 878.8 SR 327.0 SS 962.6
 RDE -.2073 RRA -.0741 RC3 .2249 FAU .04773 RRT -.0618 RRF .0592 RTF -.8771 CRT -.9027 CRS -.9687 CST .9802
 FDE -1.0294 FRA .4397 FC3-3.0904 BSP 4410 SGB 1508.6 R23 -.0010 R13 .8771 LSA 1333.4 MSA 165.7 SSA 18.5
 BDE .5693 BRA .5873 BC3 1.0201 FSP -671 SG1 1459.2 SG2 383.0 THA 179.00 EL1 928.2 EL2 133.2 ALF 161.03

LAUNCH DATE JUN 9 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 273.288

RL 151.86 LAL -1.00 LOL 257.50 VL 26.181 GAL -.06 AZL 93.36 HCA 116.62 SMA 124.92 ECC .21567 INC 3.3606 V1 29.337
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.190 GAP -9.95 AZP 88.49 TAL 180.23 TAP 296.85 RCA 97.98 APO 151.86 V2 34.914
 RC 53.515 GL -25.56 GP -.41 ZAL 93.84 ZAP 15.46 ETS .78 ZAE 147.85 ETE 16.30 ZAC 86.94 ETC 13.55 CLP -15.46

PLANETOCENTRIC CONIC

C3 12.657 VHL 3.558 DLA -16.99 RAL 154.59 RAD 6567.5 VEL 11.578 PTH 2.02 VHP 6.444 DPA 3.19 RAP 179.94 ECC 1.2083
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 53 1552.06 .09 2.81 8.98 118.32 7 16 45 952.1 3.87 356.17
 90.00 14 13 16 5313.39 27.39 241.31 14.09 82.51 15 41 50 4713.4 26.07 232.89
 100.00 8 2 31 1320.96 -.97 345.23 8.39 119.88 8 24 31 721.0 3.01 338.71
 100.00 15 44 20 5019.72 28.58 219.51 13.89 80.86 17 8 0 4419.7 27.03 211.05
 110.00 8 49 19 1174.31 -3.65 332.44 6.72 124.01 9 8 53 574.3 .84 326.23
 110.00 17 14 1 4739.13 31.68 197.48 13.17 76.43 18 33 0 4139.1 29.49 188.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5396 TRA -.5254 TC3 1.1314 BAU .1952 SGT 1478.6 SGR 372.9 SG3 279.8 ST 909.0 SR 318.0 SS 1029.2
 RDE -.1963 RRA -.0684 RC3 .2259 FAU .05316 RRT -.0788 RRF .0745 RTF -.8883 CRT -.9182 CRS -.9755 CST .9818
 FDE -1.1404 FRA .3857 FC3-3.6360 BSP 4980 SGB 1524.9 R23 .0002 R13 .8883 LSA 1400.4 MSA 158.5 SSA 18.5
 BDE .5742 BRA .5299 BC3 1.1538 FSP -822 SG1 1478.9 SG2 371.6 THA 178.79 EL1 955.5 EL2 119.9 ALF 161.90

LAUNCH DATE JUN 9 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 279.968

RL 151.86 LAL -1.00 LOL 257.50 VL 26.286 GAL -.21 AZL 93.36 HCA 119.81 SMA 125.58 ECC .20937 INC 3.3559 V1 29.337
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.275 GAP -9.25 AZP 88.33 TAL 180.81 TAP 300.61 RCA 99.28 APO 151.87 V2 34.926
 RC 55.163 GL -26.32 GP -.46 ZAL 95.09 ZAP 17.91 ETS .65 ZAE 147.52 ETE 15.34 ZAC 86.24 ETC 13.52 CLP -17.91

PLANETOCENTRIC CONIC

C3 12.045 VHL 3.471 DLA -17.19 RAL 153.05 RAD 6567.5 VEL 11.551 PTH 2.02 VHP 6.067 DPA 2.85 RAP 180.59 ECC 1.1982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 41 1534.17 .67 1.81 6.85 118.31 7 12 15 934.2 4.44 355.17
 90.00 14 5 12 5310.22 27.36 241.08 11.83 82.40 15 33 42 4710.2 26.02 232.67
 100.00 7 58 7 1303.62 -.38 344.28 6.27 119.89 8 19 51 703.6 3.60 337.76
 100.00 15 36 26 5016.00 28.54 219.24 11.63 80.73 17 0 2 4416.0 26.97 210.79
 110.00 8 44 35 1158.06 -3.03 331.59 4.61 124.06 9 3 53 558.1 1.46 325.38
 110.00 17 6 28 4734.33 31.60 197.13 10.91 76.24 18 25 22 4134.3 29.39 188.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5376 TRA -.5117 TC3 1.2060 BAU .1976 SGT 1506.7 SGR 360.8 SG3 312.4 ST 926.7 SR 308.5 SS 1088.1
 RDE -.1858 RRA -.0624 RC3 .2254 FAU .05792 RRT -.0845 RRF .0826 RTF -.8906 CRT -.9220 CRS -.9778 CST .9815
 FDE -1.2502 FRA .3930 FC3-4.1627 BSP 4767 SGB 1549.3 R23 -.0028 R13 .8906 LSA 1453.3 MSA 159.5 SSA 18.1
 BDE .5688 BRA .5154 BC3 1.2269 FSP -883 SG1 1507.0 SG2 359.4 THA 178.77 EL1 970.0 EL2 114.1 ALF 162.69

LAUNCH DATE JUN 9 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 286.634

RL 151.86 LAL -.00 LOL 257.50 VL 26.381 GAL -.35 AZL 93.35 HCA 122.99 SMA 126.17 ECC .20370 INC 3.3509 V1 29.337
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.354 GAP -8.57 AZP 88.17 TAL 181.38 TAP 304.37 RCA 100.47 APO 151.87 V2 34.938
 RC 56.885 GL -27.02 GP -.50 ZAL 96.29 ZAP 20.50 ETS .55 ZAE 147.45 ETE 14.50 ZAC 85.67 ETC 13.51 CLP -20.49

PLANETOCENTRIC CONIC

C3 11.522 VHL 3.394 DLA -17.34 RAL 151.57 RAD 6567.4 VEL 11.529 PTH 2.01 VHP 5.709 DPA 2.56 RAP 181.12 ECC 1.1896
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 17 1519.00 1.16 .97 4.84 118.30 7 7 36 919.0 4.93 354.32
 90.00 13 57 45 5306.76 27.33 240.83 9.70 82.28 15 26 12 4706.8 25.98 232.43
 100.00 7 53 36 1288.90 .12 343.47 4.26 119.89 8 15 5 688.9 4.10 336.94
 100.00 15 29 8 5012.09 28.50 218.96 9.50 80.58 16 52 40 4412.1 26.91 210.52
 110.00 8 39 47 1144.21 -2.50 330.86 2.63 124.10 8 58 51 544.2 1.99 324.66
 110.00 16 59 26 4729.55 31.53 196.78 8.77 76.04 18 18 15 4129.6 29.29 188.29

DIFFERENTIAL CORRECTIONS

TDE .5370 TRA -.4775 TC3 1.2934 BAU .2021
 RDE -.1760 RRA -.0572 RC3 .2219 FAU .06393
 FDE-1.3789 FRA .3662 FC3-4.8038 BSP 4884
 BDE .5651 BRA .4809 BC3 1.3123 FSP -1009

MID-COURSE EXECUTION ACCURACY

SGT 1518.4 SGR 348.1 SG3 350.7
 RRT -.0976 RRF .0954 RTF -.8957
 SGB 1557.8 R23 -.0032 R13 .8958
 SG1 1518.8 SG2 346.4 THA 178.65

ORBIT DETERMINATION ACCURACY

ST 941.6 SR 298.7 SS 1153.1
 CRT -.9299 CRS -.9813 CST .9821
 LSA 1510.1 MSA 157.1 SSA 17.8
 EL1 982.2 EL2 105.3 ALF 163.37

LAUNCH DATE JUN 9 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 293.285

RL 151.86 LAL -.00 LOL 257.50 VL 26.467 GAL -.48 AZL 93.35 HCA 126.18 SMA 126.72 ECC .19861 INC 3.3455 V1 29.337
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.426 GAP -7.92 AZP 88.02 TAL 181.93 TAP 308.12 RCA 101.55 APO 151.88 V2 34.951
 RC 58.673 GL -27.65 GP -.56 ZAL 97.44 ZAP 23.25 ETS .48 ZAE 147.66 ETE 13.79 ZAC 85.25 ETC 13.50 CLP -23.24

PLANETOCENTRIC CONIC

C3 11.074 VHL 3.328 DLA -17.46 RAL 150.16 RAD 6567.4 VEL 11.509 PTH 2.00 VHP 5.369 DPA 2.33 RAP 181.50 ECC 1.1822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 52 1506.27 1.57 .26 2.97 118.28 7 2 58 906.3 5.33 353.60
 90.00 13 50 57 5303.07 27.29 240.57 7.71 82.15 15 19 20 4703.1 25.93 232.17
 100.00 7 49 4 1276.52 .54 342.79 2.40 119.89 8 10 21 676.5 4.51 336.26
 100.00 15 22 26 5008.06 28.46 218.67 7.51 80.44 16 45 54 4408.1 26.84 210.24
 110.00 8 35 2 1132.50 -2.05 330.25 .78 124.13 8 53 55 532.5 2.44 324.05
 110.00 16 52 57 4724.85 31.45 196.43 6.79 75.85 18 11 42 4124.8 29.18 187.96

DIFFERENTIAL CORRECTIONS

TDE .5317 TRA -.4494 TC3 1.3585 BAU .2036
 RDE -.1668 RRA -.0524 RC3 .2159 FAU .07073
 FDE-1.5251 FRA .3417 FC3-5.5296 BSP 4862
 BDE .5572 BRA .4525 BC3 1.3755 FSP -1141

MID-COURSE EXECUTION ACCURACY

SGT 1521.0 SGR 334.7 SG3 394.2
 RRT -.1104 RRF .1093 RTF -.8979
 SGB 1557.4 R23 -.0052 R13 .8979
 SG1 1521.4 SG2 332.6 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 947.6 SR 288.5 SS 1222.2
 CRT -.9356 CRS -.9842 CST .9820
 LSA 1565.3 MSA 156.8 SSA 17.3
 EL1 985.7 EL2 98.0 ALF 163.94

LAUNCH DATE JUN 9 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 299.921

RL 151.86 LAL -.00 LOL 257.50 VL 26.543 GAL -.59 AZL 93.34 HCA 129.38 SMA 127.21 ECC .19407 INC 3.3396 V1 29.337
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.492 GAP -7.29 AZP 87.88 TAL 182.46 TAP 311.84 RCA 102.52 APO 151.90 V2 34.964
 RC 60.921 GL -28.22 GP -.62 ZAL 98.52 ZAP 26.17 ETS .43 ZAE 148.16 ETE 13.18 ZAC 85.01 ETC 13.50 CLP -26.16

PLANETOCENTRIC CONIC

C3 10.691 VHL 3.270 DLA -17.55 RAL 148.84 RAD 6567.4 VEL 11.493 PTH 2.00 VHP 5.048 DPA 2.16 RAP 181.72 ECC 1.1759
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 28 1495.75 1.91 359.67 1.24 118.26 6 58 24 895.7 5.67 353.01
 90.00 13 44 49 5299.20 27.26 240.29 5.88 82.02 15 13 8 4699.2 25.87 231.90
 100.00 7 44 36 1266.25 .89 342.23 .67 119.88 8 5 42 666.2 4.86 335.69
 100.00 15 16 22 5003.93 28.41 218.37 5.68 80.29 16 39 46 4403.9 26.77 209.95
 110.00 8 30 24 1122.73 -1.68 329.74 359.06 124.15 8 49 7 522.7 2.81 323.54
 110.00 16 47 3 4720.21 31.37 196.09 4.95 75.67 18 5 43 4120.2 29.08 187.64

DIFFERENTIAL CORRECTIONS

TDE .5254 TRA -.4189 TC3 1.4120 BAU .2040
 RDE -.1580 RRA -.0481 RC3 .2071 FAU .07844
 FDE-1.6922 FRA .3082 FC3-6.3519 BSP 4927
 BDE .5487 BRA .4217 BC3 1.4271 FSP -1310

MID-COURSE EXECUTION ACCURACY

SGT 1514.3 SGR 320.7 SG3 443.7
 RRT -.1275 RRF .1266 RTF -.9005
 SGB 1547.9 R23 -.0066 R13 .9005
 SG1 1514.9 SG2 317.9 THA 178.38

ORBIT DETERMINATION ACCURACY

ST 949.6 SR 278.2 SS 1296.5
 CRT -.9414 CRS -.9868 CST .9822
 LSA 1623.4 MSA 155.9 SSA 16.7
 EL1 985.4 EL2 90.4 ALF 164.45

LAUNCH DATE JUN 9 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 306.539

RL 151.86 LAL -.00 LOL 257.50 VL 26.611 GAL -.69 AZL 93.33 HCA 132.57 SMA 127.65 ECC .19004 INC 3.3332 V1 29.337
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.552 GAP -6.69 AZP 87.74 TAL 182.96 TAP 315.53 RCA 103.39 APO 151.91 V2 34.977
 RC 62.420 GL -28.72 GP -.70 ZAL 99.52 ZAP 29.29 ETS .40 ZAE 148.97 ETE 12.68 ZAC 84.95 ETC 13.50 CLP -29.28

PLANETOCENTRIC CONIC

C3 10.363 VHL 3.219 DLA -17.61 RAL 147.62 RAD 6567.4 VEL 11.478 PTH 2.00 VHP 4.745 DPA 2.06 RAP 181.76 ECC 1.1706
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 15 1487.10 2.18 359.19 359.66 118.24 6 54 2 887.1 5.94 352.52
 90.00 13 39 21 5295.25 27.22 240.01 4.21 81.88 15 7 36 4695.2 25.82 231.62
 100.00 7 40 19 1257.78 1.17 341.77 359.09 119.87 8 1 16 657.8 5.14 335.22
 100.00 15 10 58 4999.80 28.36 218.07 4.00 80.14 16 34 18 4399.8 26.71 209.66
 110.00 8 26 0 1114.61 -1.37 329.32 357.50 124.16 8 44 35 514.6 3.12 323.11
 110.00 16 41 45 4715.73 31.29 195.77 3.27 75.49 18 0 21 4115.7 28.98 187.32

DIFFERENTIAL CORRECTIONS

TDE .5126 TRA -.3925 TC3 1.4362 BAU .2008
 RDE -.1497 RRA -.0440 RC3 .1958 FAU .08706
 FDE-1.8762 FRA .2742 FC3-7.2731 BSP 4839
 BDE .5340 BRA .3950 BC3 1.4495 FSP -1482

MID-COURSE EXECUTION ACCURACY

SGT 1491.5 SGR 306.0 SG3 498.9
 RRT -.1451 RRF .1456 RTF -.9001
 SGB 1522.6 R23 -.0095 R13 .9002
 SG1 1492.2 SG2 302.6 THA 178.22

ORBIT DETERMINATION ACCURACY

ST 938.8 SR 267.6 SS 1371.8
 CRT -.9455 CRS -.9889 CST .9818
 LSA 1676.3 MSA 156.3 SSA 16.0
 EL1 972.6 EL2 84.1 ALF 164.80

LAUNCH DATE JUN 9 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 313.140

RL 151.86 LAL -.00 LOL 257.50 VL 26.672 GAL -.78 AZL 93.33 HCA 135.77 SMA 128.05 ECC .18648 INC 3.3261 V1 29.337
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.607 GAP -6.10 AZP 87.62 TAL 183.43 TAP 319.19 RCA 104.17 APO 151.93 V2 34.990
 RC 64.367 GL -29.16 GP -.79 ZAL 100.43 ZAP 32.63 ETS .39 ZAE 150.10 ETE 12.29 ZAC 85.11 ETC 13.51 CLP -32.62

PLANETOCENTRIC CONIC

C3 10.083 VHL 3.175 DLA -17.65 RAL 146.52 RAD 6567.4 VEL 11.466 PTH 1.99 VHP 4.462 DPA 2.04 RAP 181.60 ECC 1.1659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 25 15 1480.06 2.41 358.79 358.23 118.22 6 49 55 880.1 6.17 352.13
 90.00 13 34 33 5291.27 27.18 239.72 2.70 81.74 15 2 44 4691.3 25.76 231.34
 100.00 7 36 17 1250.86 1.41 341.39 357.68 119.86 7 57 8 650.9 5.37 334.84
 100.00 15 6 12 4995.70 28.31 217.78 2.50 79.99 16 29 28 4395.7 26.64 209.37
 110.00 8 21 54 1107.93 -1.11 328.97 356.10 124.17 8 40 22 507.9 3.38 322.76
 110.00 16 37 4 4711.40 31.22 195.45 1.77 75.31 17 55 35 4111.4 28.89 187.02

DIFFERENTIAL CORRECTIONS

TOE .4971 TRA -.3655 TC3 1.4396 BAU .1956
 RDE -.1418 RRA -.0404 RC3 .1817 FAU .09680
 FDE-2.0865 FRA .2305 FC3-8.3116 BSP 4752
 BDE .5169 BRA .3677 BC3 1.4511 FSP -1684

MID-COURSE EXECUTION ACCURACY

SGT 1455.8 SGR 290.9 SG3 561.4
 RRT -.1679 RRF .1697 RTF -.8990
 SGB 1484.6 R23 -.0129 R13 .8992
 SG1 1456.6 SG2 286.6 THA 178.00

ORBIT DETERMINATION ACCURACY

ST 921.1 SR 256.9 SS 1453.7
 CRT -.9493 CRS -.9908 CST .9814
 LSA 1732.9 MSA 156.2 SSA 15.2
 EL1 953.0 EL2 78.0 ALF 165.07

LAUNCH DATE JUN 9 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 319.722

RL 151.86 LAL -.00 LOL 257.50 VL 26.724 GAL -.86 AZL 93.32 HCA 138.97 SMA 128.40 ECC .18336 INC 3.3181 V1 29.337
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.657 GAP -5.52 AZP 87.50 TAL 183.84 TAP 322.81 RCA 104.85 APO 151.94 V2 35.003
 RC 66.356 GL -29.54 GP -.89 ZAL 101.24 ZAP 36.21 ETS .40 ZAE 151.56 ETE 12.00 ZAC 85.51 ETC 13.53 CLP -36.20

PLANETOCENTRIC CONIC

C3 9.842 VHL 3.137 DLA -17.67 RAL 145.54 RAD 6567.4 VEL 11.456 PTH 1.99 VHP 4.199 DPA 2.10 RAP 181.21 ECC 1.1620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 21 35 1474.35 2.59 358.47 356.97 118.21 6 46 9 874.3 6.35 351.80
 90.00 13 30 24 5287.37 27.14 239.44 1.37 81.61 14 58 31 4687.4 25.70 231.07
 100.00 7 32 35 1245.22 1.60 341.08 356.42 119.85 7 53 21 645.2 5.56 334.53
 100.00 15 2 5 4991.73 28.27 217.49 1.16 79.84 16 25 16 4391.7 26.57 209.10
 110.00 8 18 10 1102.42 -.90 328.68 354.85 124.17 8 36 32 502.4 3.59 322.48
 110.00 16 32 59 4707.29 31.15 195.15 .43 75.15 17 51 27 4107.3 28.80 186.74

DIFFERENTIAL CORRECTIONS

TOE .4736 TRA -.3440 TC3 1.4055 BAU .1862
 RDE -.1342 RRA -.0369 RC3 .1648 FAU .10758
 FDE-2.3154 FRA .1904 FC3-9.4632 BSP 4567
 BDE .4922 BRA .3459 BC3 1.4151 FSP -1908

MID-COURSE EXECUTION ACCURACY

SGT 1400.1 SGR 275.3 SG3 630.6
 RRT -.1923 RRF .1974 RTF -.8938
 SGB 1426.9 R23 -.0192 R13 .8940
 SG1 1401.2 SG2 270.0 THA 177.75

ORBIT DETERMINATION ACCURACY

ST 887.6 SR 246.1 SS 1536.0
 CRT -.9511 CRS -.9922 CST .9802
 LSA 1784.0 MSA 157.4 SSA 14.4
 EL1 918.1 EL2 73.5 ALF 165.13

LAUNCH DATE JUN 9 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 326.285

RL 151.86 LAL -.00 LOL 257.50 VL 26.771 GAL -.93 AZL 93.31 HCA 142.17 SMA 128.70 ECC .18064 INC 3.3090 V1 29.337
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.702 GAP -4.97 AZP 87.39 TAL 184.21 TAP 326.38 RCA 105.45 APO 151.95 V2 35.016
 RC 68.382 GL -29.85 GP -1.01 ZAL 101.94 ZAP 40.05 ETS .44 ZAE 153.38 ETE 11.82 ZAC 86.15 ETC 13.55 CLP -40.04

PLANETOCENTRIC CONIC

C3 9.634 VHL 3.104 DLA -17.68 RAL 144.69 RAD 6567.3 VEL 11.447 PTH 1.99 VHP 3.956 DPA 2.25 RAP 180.57 ECC 1.1586
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 18 18 1469.69 2.74 358.21 355.87 118.19 6 42 48 869.7 6.49 351.54
 90.00 13 26 54 5283.59 27.11 239.17 .21 81.48 14 54 57 4683.6 25.65 230.81
 100.00 7 29 18 1240.60 1.76 340.82 355.32 119.85 7 49 59 640.6 5.72 334.27
 100.00 14 58 35 4987.92 28.22 217.22 360.00 79.71 16 21 43 4387.9 26.51 208.83
 110.00 8 14 52 1097.86 -.73 328.45 353.77 124.18 8 33 10 497.9 3.76 322.24
 110.00 16 29 31 4703.42 31.08 194.87 359.26 75.00 17 47 54 4103.4 28.71 186.47

DIFFERENTIAL CORRECTIONS

TOE .4432 TRA -.3259 TC3 1.3345 BAU .1729
 RDE -.1270 RRA -.0337 RC3 .1449 FAU .11944
 FDE-2.5660 FRA .1510 FC-10.7327 BSP 4291
 BDE .4611 BRA .3277 BC3 1.3424 FSP -2150

MID-COURSE EXECUTION ACCURACY

SGT 1324.6 SGR 259.5 SG3 706.8
 RRT -.2212 RRF .2318 RTF -.8842
 SGB 1349.8 R23 -.0296 R13 .8844
 SG1 1325.9 SG2 252.9 THA 177.42

ORBIT DETERMINATION ACCURACY

ST 840.2 SR 235.3 SS 1620.8
 CRT -.9512 CRS -.9934 CST .9782
 LSA 1833.8 MSA 159.0 SSA 13.5
 EL1 869.7 EL2 70.1 ALF 164.98

LAUNCH DATE JUN 9 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 332.828

RL 151.86 LAL -.00 LOL 257.50 VL 26.810 GAL -.98 AZL 93.30 HCA 145.37 SMA 128.97 ECC .17830 INC 3.2985 V1 29.337
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.742 GAP -4.43 AZP 87.28 TAL 184.52 TAP 329.89 RCA 105.98 APO 151.97 V2 35.029
 RC 70.443 GL -30.11 GP -1.16 ZAL 102.53 ZAP 44.17 ETS .47 ZAE 155.55 ETE 11.78 ZAC 87.07 ETC 13.58 CLP -44.16

PLANETOCENTRIC CONIC

C3 9.454 VHL 3.075 DLA -17.69 RAL 143.98 RAD 6567.3 VEL 11.439 PTH 1.98 VHP 3.734 DPA 2.49 RAP 179.68 ECC 1.1556
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 29 1465.90 2.87 358.00 354.93 118.18 6 39 55 865.9 6.61 351.32
 90.00 13 24 1 5279.96 27.07 238.91 359.21 81.35 14 52 1 4680.0 25.59 230.56
 100.00 7 26 28 1236.81 1.89 340.62 354.39 119.84 7 47 5 636.8 5.84 334.06
 100.00 14 55 43 4984.28 28.18 216.95 359.00 79.58 16 18 47 4384.3 26.45 208.58
 110.00 8 12 2 1094.09 -.59 328.25 352.84 124.18 8 30 16 494.1 3.90 322.04
 110.00 16 26 39 4699.77 31.02 194.61 358.26 74.85 17 44 59 4099.8 28.63 186.22

DIFFERENTIAL CORRECTIONS

TOE .4059 TRA -.3095 TC3 1.2209 BAU .1551
 RDE -.1204 RRA -.0308 RC3 .1216 FAU .13222
 FDE-2.8390 FRA .1058 FC-12.1085 BSP 3943
 BDE .4234 BRA .3110 BC3 1.2269 FSP -2417

MID-COURSE EXECUTION ACCURACY

SGT 1225.6 SGR 244.0 SG3 789.4
 RRT -.2577 RRF .2769 RTF -.8678
 SGB 1249.7 R23 -.0463 R13 .8683
 SG1 1227.3 SG2 235.4 THA 176.95

ORBIT DETERMINATION ACCURACY

ST 778.2 SR 225.1 SS 1708.5
 CRT -.9498 CRS -.9944 CST .9750
 LSA 1884.0 MSA 160.5 SSA 12.5
 EL1 807.2 EL2 67.9 ALF 164.53

LAUNCH DATE JUN 9 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 339.351

RL 151.86 LAL -.00 LOL 257.50 VL 26.844 GAL -1.02 AZL 93.29 HCA 148.58 SMA 129.20 ECC .17630 INC 3.2860 V1 29.337
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.779 GAP -3.91 AZP 87.19 TAL 184.77 TAP 333.35 RCA 106.42 APO 151.98 V2 35.042
 RC 72.534 GL -30.31 GP -1.34 ZAL 103.01 ZAP 48.58 ETS .53 ZAE 158.09 ETE 11.88 ZAC 88.28 ETC 13.62 CLP -48.56

PLANETOCENTRIC CONIC

C3 9.295 VHL 3.049 DLA -17.68 RAL 143.40 RAD 6567.3 VEL 11.432 PTH 1.98 VHP 3.534 DPA 2.81 RAP 178.51 ECC 1.1530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 13 8 1462.80 2.97 357.83 354.16 118.17 6 37 30 862.8 6.71 351.15
 90.00 13 21 47 5276.45 27.03 238.66 358.38 81.23 14 49 43 4676.5 25.54 230.31
 100.00 7 24 8 1233.70 1.99 340.44 353.62 119.83 7 44 41 633.7 5.95 333.89
 100.00 14 53 28 4980.79 28.13 216.70 358.17 79.45 16 16 29 4380.8 26.39 208.34
 110.00 8 9 41 1090.95 -.47 328.08 352.08 124.18 8 27 52 490.9 4.02 321.87
 110.00 16 24 24 4696.31 30.95 194.36 357.43 74.72 17 42 40 4096.3 28.55 185.98

DIFFERENTIAL CORRECTIONS

TDE .3616 TRA -.2963 TC3 1.0658 BAU .1330
 RDE -.1144 RRA -.0280 RC3 .0941 FAU .14598
 FDE -3.1332 FRA .0644 FC-13.5966 BSP 3533
 BDE .3793 BRA .2977 BC3 1.0699 FSP -2715

MID-COURSE EXECUTION ACCURACY

SGT 1107.2 SGR 229.2 SG3 878.7
 RRT -.3014 RRF .3359 RTF -.8405
 SGB 1130.6 R23 -.0759 R13 .8415
 SG1 1109.4 SG2 218.1 THA 176.29

ORBIT DETERMINATION ACCURACY

ST 702.1 SR 215.6 SS 1799.7
 CRT -.9456 CRS -.9953 CST .9698
 LSA 1937.0 MSA 161.8 SSA 11.5
 EL1 731.4 EL2 67.3 ALF 163.67

LAUNCH DATE JUN 9 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 345.855

RL 151.86 LAL -.00 LOL 257.50 VL 26.872 GAL -1.05 AZL 93.27 HCA 151.79 SMA 129.39 ECC .17461 INC 3.2712 V1 29.337
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.811 GAP -3.40 AZP 87.12 TAL 184.95 TAP 336.75 RCA 106.80 APO 151.98 V2 35.056
 RC 74.652 GL -30.45 GP -1.56 ZAL 103.38 ZAP 53.28 ETS .60 ZAE 160.99 ETE 12.15 ZAC 89.78 ETC 13.67 CLP -53.26

PLANETOCENTRIC CONIC

C3 9.154 VHL 3.025 DLA -17.67 RAL 142.97 RAD 6567.3 VEL 11.426 PTH 1.98 VHP 3.357 DPA 3.22 RAP 177.06 ECC 1.1506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 16 1460.31 3.05 357.69 353.54 118.17 6 35 37 860.3 6.79 351.01
 90.00 13 20 11 5272.98 27.00 238.42 357.72 81.11 14 48 4 4673.0 25.49 230.07
 100.00 7 22 17 1231.17 2.08 340.31 353.00 119.83 7 42 48 631.2 6.03 333.75
 100.00 14 51 51 4977.36 28.09 216.46 357.51 79.33 16 14 49 4377.4 26.33 208.10
 110.00 8 7 52 1088.35 -.37 327.95 351.48 124.18 8 26 1 488.3 4.12 321.74
 110.00 16 22 46 4692.95 30.89 194.11 356.76 74.58 17 40 59 4092.9 28.47 185.75

DIFFERENTIAL CORRECTIONS

TDE .3068 TRA -.2865 TC3 .8595 BAU .1055
 RDE -.1091 RRA -.0254 RC3 .0613 FAU .16030
 FDE -3.4312 FRA .0242 FC-15.1606 BSP 3000
 BDE .3256 BRA .2876 BC3 .8617 FSP -3023

MID-COURSE EXECUTION ACCURACY

SGT 965.5 SGR 216.0 SG3 971.3
 RRT -.3452 RRF .4120 RTF -.7899
 SGB 989.4 R23 -.1351 R13 .7923
 SG1 968.5 SG2 202.1 THA 175.38

ORBIT DETERMINATION ACCURACY

ST 605.7 SR 207.2 SS 1886.5
 CRT -.9357 CRS -.9960 CST .9599
 LSA 1985.4 MSA 163.4 SSA 10.5
 EL1 636.4 EL2 69.6 ALF 162.03

LAUNCH DATE JUN 9 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 352.338

RL 151.86 LAL -.00 LOL 257.50 VL 26.896 GAL -1.06 AZL 93.25 HCA 155.00 SMA 129.55 ECC .17322 INC 3.2527 V1 29.337
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.840 GAP -2.91 AZP 87.05 TAL 185.08 TAP 340.08 RCA 107.11 APO 151.99 V2 35.069
 RC 76.795 GL -30.53 GP -1.83 ZAL 103.63 ZAP 58.27 ETS .67 ZAE 164.25 ETE 12.66 ZAC 91.56 ETC 13.72 CLP -58.25

PLANETOCENTRIC CONIC

C3 9.024 VHL 3.004 DLA -17.64 RAL 142.68 RAD 6567.3 VEL 11.420 PTH 1.98 VHP 3.204 DPA 3.69 RAP 175.33 ECC 1.1485
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 9 53 1458.48 3.10 357.59 353.08 118.16 6 34 12 858.5 6.85 350.90
 90.00 13 19 17 5269.33 26.96 238.16 357.22 80.99 14 47 6 4669.3 25.43 229.82
 100.00 7 20 55 1229.26 2.14 340.20 352.55 119.82 7 41 25 629.3 6.09 333.64
 100.00 14 50 56 4973.78 28.04 216.20 357.00 79.20 16 13 50 4373.8 26.27 207.85
 110.00 8 6 33 1086.30 -.29 327.84 351.03 124.18 8 24 40 486.3 4.20 321.63
 110.00 16 21 47 4689.50 30.83 193.86 356.26 74.45 17 39 57 4089.5 28.39 185.51

DIFFERENTIAL CORRECTIONS

TDE .2443 TRA -.2795 TC3 .5995 BAU .0724
 RDE -.1051 RRA -.0229 RC3 .0220 FAU .17449
 FDE -3.7379 FRA -.0074 FC-16.7388 BSP 2374
 BDE .2660 BRA .2804 BC3 .5999 FSP -3341

MID-COURSE EXECUTION ACCURACY

SGT 812.3 SGR 206.1 SG3 1065.1
 RRT -.3763 RRF .5106 RTF -.6927
 SGB 838.0 R23 -.2534 R13 .6989
 SG1 816.2 SG2 190.0 THA 174.23

ORBIT DETERMINATION ACCURACY

ST 495.4 SR 201.0 SS 1975.1
 CRT -.9152 CRS -.9967 CST .9405
 LSA 2039.5 MSA 164.7 SSA 9.5
 EL1 529.2 EL2 75.8 ALF 159.19

LAUNCH DATE JUN 9 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 358.801

RL 151.86 LAL -.00 LOL 257.50 VL 26.914 GAL -1.06 AZL 93.23 HCA 158.22 SMA 129.67 ECC .17210 INC 3.2292 V1 29.337
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.865 GAP -2.42 AZP 87.00 TAL 185.13 TAP 343.35 RCA 107.36 APO 151.99 V2 35.082
 RC 78.958 GL -30.53 GP -2.18 ZAL 103.76 ZAP 63.51 ETS .74 ZAE 167.84 ETE 13.48 ZAC 93.61 ETC 13.78 CLP -63.49

PLANETOCENTRIC CONIC

C3 8.903 VHL 2.984 DLA -17.60 RAL 142.55 RAD 6567.3 VEL 11.415 PTH 1.98 VHP 3.075 DPA 4.19 RAP 173.33 ECC 1.1465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 8 55 1457.47 3.14 357.53 352.78 118.16 6 33 13 857.5 6.88 350.85
 90.00 13 19 10 5265.11 26.91 237.86 356.87 80.84 14 46 55 4665.1 25.37 229.53
 100.00 7 20 0 1228.13 2.18 340.14 352.25 119.82 7 40 28 628.1 6.13 333.58
 100.00 14 50 46 4969.68 27.99 215.91 356.65 79.06 16 13 36 4369.7 26.20 207.57
 110.00 8 5 42 1084.93 -.23 327.77 350.74 124.18 8 23 47 484.9 4.25 321.56
 110.00 16 21 33 4685.65 30.76 193.59 355.90 74.30 17 39 39 4085.7 28.30 185.25

DIFFERENTIAL CORRECTIONS

TDE .1703 TRA -.2767 TC3 .2831 BAU .0338
 RDE -.1025 RRA -.0204 RC3 -.0263 FAU .18797
 FDE -4.0126 FRA -.0160 FC-18.2796 BSP 1614
 BDE .1987 BRA .2774 BC3 .2843 FSP -3627

MID-COURSE EXECUTION ACCURACY

SGT 667.9 SGR 201.7 SG3 1153.9
 RRT -.3274 RRF .6272 RTF -.4870
 SGB 697.7 R23 -.4800 R13 .5018
 SG1 671.5 SG2 189.5 THA 173.86

ORBIT DETERMINATION ACCURACY

ST 367.3 SR 197.2 SS 2048.9
 CRT -.8601 CRS -.9973 CST .8895
 LSA 2084.3 MSA 166.4 SSA 8.4
 EL1 406.9 EL2 90.8 ALF 153.81

LAUNCH DATE JUN 9 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 365.244

RL 151.86 LAL -.00 LOL 257.50 VL 26.928 GAL -1.06 AZL 93.20 MCA 161.43 SMA 129.77 ECC .17122 INC 3.1980 V1 29.337
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.886 GAP -1.95 AZP 86.97 TAL 185.12 TAP 346.56 RCA 107.55 APO 151.99 V2 35.094
 RC 81.139 GL -30.46 GP -2.63 ZAL 103.78 ZAP 68.98 ETS .80 ZAE 171.73 ETE 14.80 ZAC 95.90 ETC 13.83 CLP -68.96

PLANETOCENTRIC CONIC

C3 8.782 VHL 2.963 DLA -17.53 RAL 142.57 RAD 6567.3 VEL 11.409 PTH 1.97 VHP 2.972 DPA 4.67 RAP 171.08 ECC 1.1445
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 8 14 1457.80 3.13 357.55 352.63 118.16 6 32 32 857.8 6.87 350.87
 90.00 13 20 1 5259.56 26.85 237.46 356.67 80.65 14 47 41 4659.6 25.28 229.14
 100.00 7 19 23 1228.24 2.18 340.15 352.10 119.82 7 39 51 628.2 6.13 333.59
 100.00 14 51 34 4964.36 27.92 215.53 356.45 78.87 16 14 18 4364.4 26.10 207.20
 110.00 8 5 14 1084.59 -.22 327.75 350.60 124.18 8 23 18 484.6 4.26 321.54
 110.00 16 22 12 4680.77 30.67 193.23 355.69 74.11 17 40 13 4080.8 28.19 184.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0881 TRA -.2757 TC3 -.0871 BAU .0145 SGT 586.6 SGR 207.1 SG3 1234.2 ST 239.0 SR 197.6 SS 2112.3
 RDE -.1021 RRA -.0178 RC3 -.0871 FAU .19996 RRT -.0890 RRF .7522 RTF -.0943 CRT -.6730 CRS -.9979 CST .7113
 FDE -4.2514 FRA -.0056 FC-19.7127 B8P 834 SGB 622.1 R23 -.7456 R13 .1037 LSA 2128.3 MSA 167.8 SSA 7.4
 BDE .1348 BRA .2763 BC3 .1232 F8P -3887 SG1 586.9 SG2 206.2 THA 177.95 EL1 284.8 EL2 122.6 ALF 142.93

LAUNCH DATE JUN 9 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 371.667

RL 151.86 LAL -.00 LOL 257.50 VL 26.938 GAL -1.04 AZL 93.15 MCA 164.65 SMA 129.84 ECC .17057 INC 3.1540 V1 29.337
 RP 107.94 LAP -.83 LOP 62.17 VP 37.905 GAP -1.50 AZP 86.96 TAL 185.05 TAP 349.70 RCA 107.69 APO 151.98 V2 35.107
 RC 83.336 GL -30.25 GP -3.25 ZAL 103.70 ZAP 74.61 ETS .83 ZAE 175.86 ETE 17.21 ZAC 98.39 ETC 13.84 CLP -74.59

PLANETOCENTRIC CONIC

C3 8.654 VHL 2.942 DLA -17.38 RAL 142.76 RAD 6567.3 VEL 11.404 PTH 1.97 VHP 2.894 DPA 5.05 RAP 168.61 ECC 1.1424
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 32 1460.56 3.04 357.70 352.62 118.17 6 31 53 860.6 6.78 351.02
 90.00 13 22 15 5251.21 26.76 236.87 356.60 80.37 14 49 46 4651.2 25.15 228.57
 100.00 7 18 49 1230.57 2.10 340.27 352.10 119.83 7 39 20 630.6 6.05 333.72
 100.00 14 53 39 4956.44 27.82 214.96 356.38 78.59 16 16 16 4356.4 25.96 206.65
 110.00 8 4 56 1086.09 -.28 327.83 350.61 124.18 8 23 2 486.1 4.21 321.62
 110.00 16 24 1 4673.68 30.54 192.72 355.61 73.83 17 41 55 4073.7 28.02 184.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0007 TRA -.2740 TC3 -.5015 BAU .0612 SGT 632.2 SGR 229.2 SG3 1305.0 ST 168.0 SR 204.9 SS 2166.9
 RDE -.1051 RRA -.0150 RC3 -.1676 FAU .21027 RRT .3170 RRF .8640 RTF .3795 CRT .0375 CRS -.9985 CST .0068
 FDE -4.4452 FRA .0143 FC-21.0353 B8P 686 SGB 672.5 R23 .7667 R13 .4136 LSA 2176.5 MSA 168.2 SSA 6.3
 BDE .1051 BRA .2744 BC3 .5287 F8P -4133 SG1 636.9 SG2 215.8 THA 7.41 EL1 205.2 EL2 167.6 ALF 84.69

LAUNCH DATE JUN 9 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 378.070

RL 151.86 LAL -.00 LOL 257.50 VL 26.944 GAL -1.00 AZL 93.09 MCA 167.87 SMA 129.88 ECC .17014 INC 3.0875 V1 29.337
 RP 107.91 LAP -.65 LOP 65.39 VP 37.921 GAP -1.05 AZP 86.98 TAL 184.90 TAP 352.78 RCA 107.78 APO 151.98 V2 35.119
 RC 85.546 GL -29.85 GP -4.17 ZAL 103.51 ZAP 80.33 ETS .79 ZAE 179.78 ETE 169.58 ZAC 101.03 ETC 13.78 CLP -80.31

PLANETOCENTRIC CONIC

C3 8.503 VHL 2.916 DLA -17.09 RAL 143.15 RAD 6567.3 VEL 11.397 PTH 1.97 VHP 2.843 DPA 5.17 RAP 165.95 ECC 1.1399
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 15 1468.10 2.80 358.12 352.75 118.19 6 30 44 868.1 6.54 351.45
 90.00 13 26 39 5237.02 26.59 235.86 356.64 79.89 14 53 56 4637.0 24.93 227.59
 100.00 7 17 47 1237.29 1.87 340.64 352.24 119.84 7 38 25 637.3 5.83 334.09
 100.00 14 57 49 4943.06 27.63 214.01 356.41 78.12 16 20 12 4343.1 25.71 205.74
 110.00 8 4 25 1091.20 -.47 328.10 350.77 124.18 8 22 36 491.2 4.01 321.89
 110.00 16 27 40 4661.92 30.31 191.88 355.63 73.38 17 45 22 4061.9 27.74 183.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0921 TRA -.2727 TC3 -.9688 BAU .1146 SGT 816.2 SGR 276.3 SG3 1352.7 ST 247.7 SR 222.1 SS 2186.3
 RDE -.1130 RRA -.0113 RC3 -.2794 FAU .21701 RRT .6439 RRF .9406 RTF .6880 CRT .7532 CRS -.9991 CST -.7292
 FDE -4.5250 FRA .0859 FC-22.0941 B8P 1565 SGB 861.7 R23 .6098 R13 .7241 LSA 2205.0 MSA 169.0 SSA 5.2
 BDE .1458 BRA .2729 BC3 1.0083 F8P -4283 SG1 836.7 SG2 206.2 THA 13.11 EL1 311.8 EL2 116.1 ALF 40.88

LAUNCH DATE JUN 9 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 384.452

RL 151.86 LAL -.00 LOL 257.50 VL 26.947 GAL -.96 AZL 92.97 MCA 171.10 SMA 129.90 ECC .16991 INC 2.9740 V1 29.337
 RP 107.87 LAP -.46 LOP 68.60 VP 37.934 GAP -.61 AZP 87.06 TAL 184.69 TAP 355.79 RCA 107.83 APO 151.97 V2 35.131
 RC 87.767 GL -29.04 GP -5.71 ZAL 103.26 ZAP 86.06 ETS .62 ZAE 175.21 ETE 201.52 ZAC 103.82 ETC 13.51 CLP -86.04

PLANETOCENTRIC CONIC

C3 8.296 VHL 2.880 DLA -16.48 RAL 143.82 RAD 6567.3 VEL 11.388 PTH 1.97 VHP 2.821 DPA 4.70 RAP 163.04 ECC 1.1365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 2 54 1486.48 2.20 359.15 353.02 118.24 6 27 41 886.5 5.96 352.49
 90.00 13 35 19 5209.35 26.25 233.91 356.74 78.97 15 2 8 4609.3 24.46 225.70
 100.00 7 14 58 1253.98 1.30 341.56 352.52 119.87 7 35 52 654.0 5.27 335.01
 100.00 15 5 57 4917.09 27.25 212.17 356.50 77.22 16 27 54 4317.1 25.22 203.96
 110.00 8 2 40 1104.53 -.98 328.79 351.09 124.17 8 21 5 504.5 3.51 322.59
 110.00 16 34 44 4639.30 29.86 190.28 355.70 72.53 17 52 3 4039.3 27.18 182.11

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1827 TRA -.2675 TC3 -1.4847 BAU .1723 SGT 1082.4 SGR 370.9 SG3 1383.4 ST 400.5 SR 260.3 SS 2177.9
 RDE -.1308 RRA -.0063 RC3 -.4583 FAU .22104 RRT .8160 RRF .9810 RTF .8317 CRT .9149 CRS -.9995 CST -.9043
 FDE -4.4876 FRA .1685 FC-23.0671 B8P 2694 SGB 1144.2 R23 .4782 R13 .8583 LSA 2223.3 MSA 168.7 SSA 4.1
 BDE .2246 BRA .2676 BC3 1.5539 F8P -4396 SG1 1125.4 SG2 206.2 THA 16.18 EL1 469.2 EL2 89.7 ALF 32.05

LAUNCH DATE JUN 9 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 390.815

RL 151.86 LAL -.00 LOL 257.50 VL 26.946 GAL -.90 AZL 92.73 HCA 174.32 SMA 129.89 ECC .16986 INC 2.7305 V1 29.337
 RP 107.83 LAP -.27 LOP 71.82 VP 37.944 GAP -.18 AZP 87.28 TAL 184.42 TAP 358.74 RCA 107.83 APO 151.96 V2 35.143
 RC 89.996 GL -27.15 GP -8.92 ZAL 103.01 ZAP 91.68 ETS .11 ZAE 169.92 ETE 210.89 ZAC 106.89 ETC 12.63 CLP -91.70

PLANETOCENTRIC CONIC

C3 7.931 VHL 2.816 DLA -14.89 RAL 145.01 RAD 6567.3 VEL 11.372 PTH 1.96 VHP 2.835 DPA 2.62 RAP 159.59 ECC 1.1305
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 49 1535.67 .62 1.89 353.44 118.31 6 18 25 935.7 4.40 355.25
 90.00 13 54 55 5143.47 25.31 229.31 356.78 76.85 15 20 38 4543.5 23.25 221.25
 100.00 7 6 7 1299.18 -.23 344.04 352.97 119.89 7 27 46 699.2 3.75 337.51
 100.00 15 24 18 4855.19 26.25 207.85 356.52 75.16 16 45 13 4255.2 23.95 199.80
 110.00 7 56 23 1141.70 -2.40 330.73 351.61 124.11 8 15 25 541.7 2.09 324.53
 110.00 16 50 31 4585.43 28.70 186.51 355.67 70.58 18 6 56 3985.4 25.78 178.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2536 TRA -.2486 TC3-2.0662 BAU .2353 SGT 1376.4 SGR 569.7 SG3 1367.0 ST 540.5 SR 341.3 SS 2058.0
 RDE -.1676 RRA .0058 RC3 -.8099 FAU .21782 RRT .8934 RRF .9963 RTF .8960 CRT .9534 CRS -.9998 CST -.9484
 FDE -4.1240 FRA .3654 FC-23.7766 BSP 3912 SGB 1489.7 R23 .3794 R13 .9213 LSA 2148.6 MSA 166.3 SSA 2.9
 BDE .3040 BRA .2487 BC3 2.2193 FSP -4318 SG1 1470.3 SG2 239.6 THA 20.87 EL1 633.1 EL2 87.9 ALF 31.73

LAUNCH DATE JUN 9 1967

FLIGHT TIME 144.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 397.158

RL 151.86 LAL -.00 LOL 257.50 VL 26.942 GAL -.83 AZL 91.86 HCA 177.55 SMA 129.87 ECC .16998 INC 1.8367 V1 29.337
 RP 107.80 LAP -.08 LOP 75.05 VP 37.952 GAP .24 AZP 88.14 TAL 184.08 TAP 1.63 RCA 107.79 APO 151.94 V2 35.154
 RC 92.232 GL -19.39 GP -19.90 ZAL 103.21 ZAP 96.81 ETS 358.05 ZAE 159.35 ETE 231.58 ZAC 111.05 ETC 8.62 CLP -97.24

PLANETOCENTRIC CONIC

C3 6.940 VHL 2.634 DLA -7.88 RAL 148.43 RAD 6567.2 VEL 11.328 PTH 1.95 VHP 2.986 DPA -6.79 RAP 153.49 ECC 1.1142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 7 51 1746.88 -6.16 13.72 354.87 117.69 5 36 58 1146.9 -2.41 7.05
 90.00 15 7 12 4884.22 20.18 212.06 356.57 69.71 16 28 36 4284.2 17.24 204.63
 100.00 6 25 24 1496.71 -6.88 354.93 354.48 119.16 6 50 21 896.7 -2.94 348.36
 100.00 16 32 20 4609.62 20.95 191.55 356.26 68.17 17 49 10 4009.6 17.80 184.17
 110.00 7 24 59 1310.17 -8.77 339.62 353.32 123.17 7 46 49 710.2 -4.35 333.33
 110.00 17 49 15 4368.93 22.97 172.31 355.29 63.96 19 2 4 3768.9 19.28 165.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2038 TRA -.1616 TC3-2.8381 BAU .3237 SGT 1599.5 SGR 1188.5 SG3 1192.5 ST 458.1 SR 497.2 SS 1426.0
 RDE -.2270 RRA .0743 RC3-2.0283 FAU .19033 RRT .9253 RRF .9998 RTF .9255 CRT .9444 CRS -.9999 CST -.9414
 FDE -2.5211 FRA .9053 FC-23.7420 BSP 5338 SGB 1992.7 R23 .2497 R13 .9681 LSA 1571.2 MSA 148.2 SSA 2.1
 BDE .3051 BRA .1779 BC3 3.4884 FSP -3561 SG1 1958.4 SG2 368.1 THA 35.98 EL1 666.7 EL2 112.3 ALF 47.48

LAUNCH DATE JUN 9 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 403.485

RL 151.86 LAL -.00 LOL 257.50 VL 26.936 GAL -.76 AZL 98.21 HCA 180.78 SMA 129.82 ECC .17027 INC 8.1829 V1 29.337
 RP 107.77 LAP .11 LOP 78.27 VP 37.957 GAP .65 AZP 81.79 TAL 183.69 TAP 4.47 RCA 107.72 APO 151.93 V2 35.165
 RC 94.474 GL -54.56 GP 49.40 ZAL 96.87 ZAP 98.50 ETS 11.13 ZAE 125.25 ETE 112.48 ZAC 91.82 ETC 25.60 CLP-103.12

PLANETOCENTRIC CONIC

C3 22.270 VHL 4.719 DLA -40.70 RAL 134.14 RAD 6567.9 VEL 11.985 PTH 2.14 VHP 4.195 DPA 56.56 RAP 187.89 ECC 1.3665
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.45 5 46 9 1554.88 26.58 18.61 8.56 122.04 6 12 4 954.9 30.61 11.15
 120.55 12 34 52 5569.58 26.59 259.38 8.57 122.03 14 7 42 4969.6 30.62 251.92
 59.45 5 46 9 1554.88 26.58 18.61 8.56 122.04 6 12 4 954.9 30.61 11.15
 120.55 12 34 52 5569.58 26.59 259.38 8.57 122.03 14 7 42 4969.6 30.62 251.92
 59.45 5 46 9 1554.88 26.58 18.61 8.56 122.04 6 12 4 954.9 30.61 11.15
 120.55 12 34 52 5569.58 26.59 259.38 8.57 122.03 14 7 42 4969.6 30.62 251.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.0958 TRA -.4350 TC3 -.7514 BAU .3602 SGT 1660.8 SGR 2367.3 SG3 584.6 ST 1346.9 SR 2189.4 SS 2263.4
 RDE 1.8029 RRA .0673 RC3 .9483 FAU .07028 RRT -.9212 RRF -.9999 RTF .9257 CRT -.9901 CRS 1.0000 CST -.9906
 FDE -5.1423 FRA -.2387 FC3-2.7320 BSP 4822 SGB 2891.8 R23 .1166 R13 -.9932 LSA 3420.6 MSA 172.2 SSA .5
 BDE 2.1098 BRA .4402 BC3 1.2099 FSP -1064 SG1 2841.3 SG2 538.3 THA 124.28 EL1 2565.4 EL2 161.7 ALF 121.48

LAUNCH DATE JUN 9 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 409.794

RL 151.86 LAL -.00 LOL 257.50 VL 26.927 GAL -.66 AZL 94.33 HCA 184.01 SMA 129.76 ECC .17072 INC 4.3245 V1 29.337
 RP 107.73 LAP .30 LOP 81.50 VP 37.961 GAP 1.05 AZP 85.68 TAL 183.22 TAP 7.23 RCA 107.61 APO 151.91 V2 35.175
 RC 96.719 GL -38.64 GP 12.05 ZAL 99.20 ZAP 107.16 ETS 4.54 ZAE 154.68 ETE 145.50 ZAC 107.18 ETC 19.97 CLP-107.56

PLANETOCENTRIC CONIC

C3 10.594 VHL 3.255 DLA -26.42 RAL 142.63 RAD 6567.4 VEL 11.488 PTH 2.00 VHP 2.976 DPA 24.37 RAP 161.72 ECC 1.1743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 33 1049.48 15.54 333.99 358.78 113.97 8 31 3 449.5 18.65 326.70
 90.00 11 15 12 5741.76 27.26 272.44 2.38 97.96 12 50 54 5141.8 28.08 263.87
 100.00 9 5 16 882.49 13.49 320.72 357.77 116.93 9 19 58 282.5 16.99 313.68
 100.00 13 6 11 5383.99 29.53 246.41 2.67 94.88 14 35 55 4784.0 29.89 237.62
 110.00 9 22 30 828.38 9.48 314.26 355.41 123.00 9 36 18 228.4 13.76 307.78
 110.00 15 5 26 5010.86 34.15 218.23 2.82 88.43 16 28 57 4410.9 33.56 209.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.7952 TRA -.3017 TC3-2.5536 BAU .3743 SGT 2252.6 SGR 661.2 SG3 1188.5 ST 1411.9 SR 489.3 SS 2541.0
 RDE .2778 RRA -.0185 RC3 .6815 FAU .17951 RRT -.9401 RRF -.9995 RTF .9457 CRT -.9889 CRS 1.0000 CST -.9892
 FDE -5.6112 FRA .3417 FC-14.6697 BSP 6382 SGB 2347.7 R23 .2994 R13 -.9537 LSA 2942.2 MSA 181.8 SSA .9
 BDE .8423 BRA .3023 BC3 2.6429 FSP -3357 SG1 2337.6 SG2 217.2 THA 164.43 EL1 1492.7 EL2 68.7 ALF 161.04

LAUNCH DATE JUN 9 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 416.075

RL 151.86 LAL -.00 LOL 257.50 VL 26.915 GAL -.56 AZL 93.91 HCA 187.24 SMA 129.68 ECC .17131 INC 3.9083 V1 29.337
 RP 107.70 LAP .49 LOP 84.72 VP 37.962 GAP 1.45 AZP 86.12 TAL 182.71 TAP 9.95 RCA 107.47 APO 151.90 V2 35.185
 RC 98.967 GL -35.96 GP 6.58 ZAL 98.69 ZAP 112.15 ETS 3.52 ZAE 154.35 ETE 160.10 ZAC 110.33 ETC 18.68 CLP-112.30

PLANETOCENTRIC CONIC

C3 9.767 VHL 3.125 DLA -24.30 RAL 144.68 RAD 6567.4 VEL 11.452 PTH 1.99 VHP 3.006 DPA 19.84 RAP 158.04 ECC 1.1607
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 37 1173.41 11.99 341.35 358.40 115.85 8 0 11 573.4 15.37 334.31
 90.00 12 4 28 5585.28 28.23 261.10 2.73 92.36 13 37 33 4985.3 28.26 252.44
 100.00 8 41 22 977.31 10.50 326.17 357.63 118.15 8 57 39 377.3 14.18 319.32
 100.00 13 46 25 5256.61 29.89 236.96 2.77 89.93 15 14 1 4656.6 29.56 228.17
 110.00 9 9 20 889.58 7.19 317.53 355.64 123.51 9 24 10 289.6 11.55 311.14
 110.00 15 34 56 4917.10 33.74 210.94 2.54 84.14 16 56 53 4317.1 32.56 201.90

DIFFERENTIAL CORRECTIONS

TDE -.8652 TRA -.2875 TC3-3.2644 BAU .4290
 RDE .1487 RRA -.0066 RC3 .3700 FAU .18931
 FDE-5.3150 FRA .3276 FC-16.7796 BSP 7842
 BDE .8779 BRA .2875 BC3 3.2853 FSP -3863

MID-COURSE EXECUTION ACCURACY

SGT 2648.3 SGR 357.7 SG3 1238.2
 RRT -.9464 RRF -.9929 RTF .9610
 SGB 2672.4 R23 .2529 R13 -.9624
 SG1 2669.9 SG2 114.6 THA 172.70

ORBIT DETERMINATION ACCURACY

ST 1596.8 SR 272.7 SS 2532.7
 CRT -.9923 CRS 1.0000 CST -.9917
 LSA 3001.3 MSA 174.7 SSA 1.9
 EL1 1619.5 EL2 33.3 ALF 170.38

LAUNCH DATE JUN 9 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 422.341

RL 151.86 LAL -.00 LOL 257.50 VL 26.902 GAL -.44 AZL 93.75 HCA 190.48 SMA 129.59 ECC .17206 INC 3.7479 V1 29.337
 RP 107.67 LAP .68 LOP 87.95 VP 37.961 GAP 1.84 AZP 86.31 TAL 182.14 TAP 12.62 RCA 107.29 APO 151.89 V2 35.195
 RC 101.218 GL -34.82 GP 4.44 ZAL 97.80 ZAP 116.65 ETS 3.13 ZAE 152.03 ETE 166.83 ZAC 112.12 ETC 18.21 CLP-116.74

PLANETOCENTRIC CONIC

C3 9.485 VHL 3.080 DLA -23.67 RAL 146.19 RAD 6567.3 VEL 11.440 PTH 1.98 VHP 3.084 DPA 18.27 RAP 156.05 ECC 1.1561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 36 42 1202.42 11.12 343.04 359.23 116.21 7 56 44 602.4 14.55 336.05
 90.00 12 20 29 5544.71 28.30 258.14 3.61 90.88 13 52 53 4944.7 28.13 249.48
 100.00 8 39 5 1001.03 9.74 327.52 358.51 118.40 8 55 46 401.0 13.46 320.70
 100.00 14 0 46 5221.34 29.86 234.34 3.60 88.55 15 27 47 4621.3 29.34 225.57
 110.00 9 9 29 905.73 6.59 318.38 356.59 123.62 9 24 34 305.7 10.96 312.02
 110.00 15 46 52 4889.40 33.52 208.81 3.28 82.89 17 8 21 4289.4 32.18 199.83

DIFFERENTIAL CORRECTIONS

TDE -.9497 TRA -.2608 TC3-3.7622 BAU .4777
 RDE .1035 RRA -.0024 RC3 .1909 FAU .18249
 FDE-4.9698 FRA .4597 FC-16.6576 BSP 8902
 BDE .9553 BRA .2608 BC3 3.7670 FSP -3785

MID-COURSE EXECUTION ACCURACY

SGT 2961.7 SGR 225.7 SG3 1196.0
 RRT -.9127 RRF -.9575 RTF .9663
 SGB 2970.3 R23 .1829 R13 -.9667
 SG1 2968.9 SG2 92.0 THA 176.02

ORBIT DETERMINATION ACCURACY

ST 1775.3 SR 192.6 SS 2466.1
 CRT -.9951 CRS .9996 CST -.9928
 LSA 3039.8 MSA 172.9 SSA 3.1
 EL1 1785.6 EL2 19.0 ALF 173.84

LAUNCH DATE JUN 9 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 428.589

RL 151.86 LAL -.00 LOL 257.50 VL 26.886 GAL -.32 AZL 93.66 HCA 193.72 SMA 129.48 ECC .17294 INC 3.6620 V1 29.337
 RP 107.65 LAP .87 LOP 91.19 VP 37.958 GAP 2.23 AZP 86.44 TAL 181.52 TAP 15.23 RCA 107.09 APO 151.87 V2 35.204
 RC 103.470 GL -34.15 GP 3.30 ZAL 96.73 ZAP 120.82 ETS 2.91 ZAE 149.49 ETE 170.57 ZAC 113.31 ETC 17.97 CLP-120.88

PLANETOCENTRIC CONIC

C3 9.358 VHL 3.059 DLA -23.52 RAL 147.63 RAD 6567.3 VEL 11.435 PTH 1.98 VHP 3.180 DPA 17.51 RAP 154.75 ECC 1.1540
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 40 7 1207.84 10.96 343.36 .43 116.28 8 0 15 607.8 14.40 336.37
 90.00 12 28 29 5534.05 28.31 257.36 4.79 90.49 14 0 43 4934.0 28.08 248.70
 100.00 8 42 52 1005.30 9.60 327.76 359.71 118.45 8 59 37 405.3 13.32 320.95
 100.00 14 8 25 5211.82 29.84 233.63 4.77 88.18 15 35 17 4611.8 29.27 224.87
 110.00 9 13 48 908.30 6.49 318.52 357.82 123.64 9 28 56 308.3 10.87 312.16
 110.00 15 53 58 4881.59 33.46 208.21 4.43 82.54 17 15 20 4281.6 32.06 199.25

DIFFERENTIAL CORRECTIONS

TDE-1.0376 TRA -.2302 TC3-4.1743 BAU .5223
 RDE .0836 RRA .0021 RC3 .0747 FAU .17270
 FDE-4.6678 FRA .5659 FC-15.9767 BSP 9842
 BDE 1.0410 BRA .2302 BC3 4.1750 FSP -3628

MID-COURSE EXECUTION ACCURACY

SGT 3243.6 SGR 163.1 SG3 1137.5
 RRT -.7993 RRF -.8428 RTF .9698
 SGB 3247.7 R23 .1114 R13 -.9699
 SG1 3246.2 SG2 98.0 THA 177.70

ORBIT DETERMINATION ACCURACY

ST 1950.0 SR 156.6 SS 2405.6
 CRT -.9975 CRS .9985 CST -.9937
 LSA 3096.0 MSA 169.8 SSA 4.3
 EL1 1956.3 EL2 11.1 ALF 175.42

LAUNCH DATE JUN 9 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 434.817

RL 151.86 LAL -.00 LOL 257.50 VL 26.868 GAL -.18 AZL 93.61 HCA 196.96 SMA 129.36 ECC .17397 INC 3.6086 V1 29.337
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.953 GAP 2.61 AZP 86.55 TAL 180.84 TAP 17.80 RCA 106.86 APO 151.87 V2 35.212
 RC 105.723 GL -33.67 GP 2.59 ZAL 95.51 ZAP 124.67 ETS 2.77 ZAE 147.04 ETE 172.92 ZAC 114.09 ETC 17.82 CLP-124.71

PLANETOCENTRIC CONIC

C3 9.305 VHL 3.050 DLA -23.59 RAL 149.09 RAD 6567.3 VEL 11.432 PTH 1.98 VHP 3.290 DPA 17.05 RAP 153.91 ECC 1.1531
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 47 1 1203.00 11.10 343.07 1.86 116.22 8 7 4 603.0 14.54 336.08
 90.00 12 33 15 5536.68 28.31 257.55 6.19 90.58 14 5 32 4936.7 28.09 248.89
 100.00 8 49 36 1000.99 9.74 327.51 1.14 118.40 9 6 17 401.0 13.46 320.70
 100.00 14 13 21 5213.93 29.85 233.79 6.18 88.26 15 40 15 4613.9 29.29 225.03
 110.00 9 20 17 904.77 6.62 318.33 359.25 123.61 9 35 22 304.8 11.00 311.97
 110.00 15 59 10 4882.91 33.47 208.31 5.84 82.60 17 20 33 4282.9 32.08 199.35

DIFFERENTIAL CORRECTIONS

TDE-1.1242 TRA -.1939 TC3-4.5262 BAU .5631
 RDE .0741 RRA .0068 RC3 -.0105 FAU .16134
 FDE-4.3735 FRA .6698 FC-15.0101 BSP 10698
 BDE 1.1267 BRA .1940 BC3 4.5262 FSP -3426

MID-COURSE EXECUTION ACCURACY

SGT 3498.9 SGR 139.9 SG3 1069.5
 RRT -.5750 RRF -.6147 RTF .9718
 SGB 3501.7 R23 .0676 R13 -.9718
 SG1 3499.8 SG2 114.5 THA 178.68

ORBIT DETERMINATION ACCURACY

ST 2116.6 SR 139.2 SS 2339.2
 CRT -.9988 CRS .9962 CST -.9943
 LSA 3153.3 MSA 167.2 SSA 5.4
 EL1 2121.1 EL2 6.7 ALF 176.24

LAUNCH DATE JUN 9 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 441.026

RL 151.86 LAL -0.00 LOL 257.50 VL 26.849 GAL -0.03 AZL 93.57 HCA 200.20 SMA 129.23 ECC .17513 INC 3.5717 V1 29.337
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.946 GAP 2.99 AZP 86.65 TAL 180.13 TAP 20.32 RCA 106.60 APO 151.86 V2 35.220
 RC 107.975 GL -33.27 GP 2.11 ZAL 94.18 ZAP 128.24 ETS 2.66 ZAE 144.78 ETE 174.53 ZAC 114.54 ETC 17.68 CLP-128.27

PLANETOCENTRIC CONIC

C3 9.298 VHL 3.049 DLA -23.78 RAL 150.62 RAD 6567.3 VEL 11.432 PTH 1.98 VHP 3.410 DPA 16.71 RAP 153.42 ECC 1.1530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 5 1192.51 11.42 342.46 3.47 116.09 8 15 57 592.5 14.83 335.45
 90.00 12 36 25 5546.89 28.30 258.30 7.77 90.96 14 8 51 4946.9 28.14 249.64
 100.00 8 58 12 991.99 10.03 327.00 2.75 118.31 9 14 44 392.0 13.73 320.18
 100.00 14 16 59 5222.64 29.86 234.43 7.77 88.60 15 44 1 4622.6 29.35 225.67
 110.00 9 28 11 897.98 6.88 317.97 .84 123.57 9 43 8 298.0 11.24 311.60
 110.00 16 3 29 4889.41 33.52 208.81 7.45 82.89 17 24 59 4289.4 32.18 199.83

DIFFERENTIAL CORRECTIONS

TDE-1.2232 TRA -.1949 TC3-4.9375 BAU .6139
 RDE .0707 RRA .0131 RC3 -.0715 FAU .15648
 FDE-4.1778 FRA .5381 FC-14.5688 BSP 11924
 BDE 1.2252 BRA .1954 BC3 4.9380 FSP -3430

MID-COURSE EXECUTION ACCURACY

SGT 3809.2 SGR 142.3 SG3 1028.8
 RRT -.3403 RRF -.3687 RTF .9779
 SGB 3811.9 R23 .0378 R13 -.9779
 SG1 3809.5 SG2 133.8 THA 179.27

ORBIT DETERMINATION ACCURACY

ST 2303.2 SR 133.0 SS 2316.0
 CRT -.9988 CRS .9938 CST -.9955
 LSA 3265.3 MSA 154.4 SSA 6.6
 EL1 2307.1 EL2 6.6 ALF 176.70

LAUNCH DATE JUN 9 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 447.218

RL 151.86 LAL -0.00 LOL 257.50 VL 26.828 GAL .14 AZL 93.54 HCA 203.44 SMA 129.09 ECC .17643 INC 3.5448 V1 29.337
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.938 GAP 3.36 AZP 86.75 TAL 179.36 TAP 22.80 RCA 106.32 APO 151.87 V2 35.227
 RC 110.226 GL -32.90 GP 1.76 ZAL 92.73 ZAP 131.54 ETS 2.56 ZAE 142.71 ETE 175.69 ZAC 114.68 ETC 17.54 CLP-131.56

PLANETOCENTRIC CONIC

C3 9.327 VHL 3.054 DLA -24.06 RAL 152.24 RAD 6567.3 VEL 11.433 PTH 1.98 VHP 3.538 DPA 16.40 RAP 153.25 ECC 1.1535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 6 52 1178.05 11.85 341.62 5.27 115.91 8 26 30 578.0 15.24 334.58
 90.00 12 38 35 5562.52 28.28 259.44 9.53 91.53 14 11 18 4962.5 28.19 250.78
 100.00 9 8 17 979.80 10.42 326.31 4.53 118.18 9 24 36 379.8 14.11 319.46
 100.00 14 19 51 5236.00 29.88 235.43 9.54 89.12 15 47 7 4636.0 29.44 226.65
 110.00 9 37 13 889.05 7.22 317.50 2.59 123.50 9 52 2 289.0 11.57 311.12
 110.00 16 7 24 4899.52 33.61 209.58 9.25 83.35 17 29 4 4299.5 32.32 200.59

DIFFERENTIAL CORRECTIONS

TDE-1.2916 TRA -.0986 TC3-5.1018 BAU .6363
 RDE .0696 RRA .0168 RC3 -.1286 FAU .13911
 FDE-3.8378 FRA .8703 FC-12.9128 BSP 12114
 BDE 1.2935 BRA .1000 BC3 5.1034 FSP -2967

MID-COURSE EXECUTION ACCURACY

SGT 3952.6 SGR 156.3 SG3 935.5
 RRT -.1275 RRF -.1534 RTF .9734
 SGB 3955.7 R23 .0293 R13 -.9734
 SG1 3952.7 SG2 155.0 THA 179.71

ORBIT DETERMINATION ACCURACY

ST 2425.8 SR 131.1 SS 2208.4
 CRT -.9970 CRS .9870 CST -.9950
 LSA 3279.0 MSA 163.0 SSA 7.8
 EL1 2429.4 EL2 10.2 ALF 176.92

LAUNCH DATE JUN 9 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 453.389

RL 151.86 LAL -0.00 LOL 257.50 VL 26.806 GAL .31 AZL 93.52 HCA 206.68 SMA 128.94 ECC .17786 INC 3.5240 V1 29.337
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.928 GAP 3.74 AZP 86.85 TAL 178.55 TAP 25.23 RCA 106.01 APO 151.87 V2 35.233
 RC 112.475 GL -32.54 GP 1.50 ZAL 91.18 ZAP 134.59 ETS 2.46 ZAE 140.84 ETE 176.56 ZAC 114.57 ETG 17.38 CLP-134.61

PLANETOCENTRIC CONIC

C3 9.386 VHL 3.064 DLA -24.38 RAL 153.96 RAD 6567.3 VEL 11.436 PTH 1.98 VHP 3.674 DPA 16.09 RAP 153.35 ECC 1.1545
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 18 59 1160.95 12.35 340.62 7.24 115.68 8 38 20 560.9 15.71 333.55
 90.00 12 40 9 5582.10 28.24 260.87 11.43 92.24 14 13 11 4982.1 28.25 252.21
 100.00 9 19 29 965.60 10.88 325.50 6.47 118.02 9 35 35 365.6 14.54 318.63
 100.00 14 22 20 5252.67 29.89 236.67 11.47 89.77 15 49 52 4652.7 29.54 227.88
 110.00 9 47 8 878.91 7.60 316.96 4.50 123.43 10 1 47 278.9 11.94 310.56
 110.00 16 11 11 4912.13 33.70 210.56 11.22 83.91 17 33 3 4312.1 32.49 201.53

DIFFERENTIAL CORRECTIONS

TDE-1.3777 TRA -.0445 TC3-5.3324 BAU .6695
 RDE .0715 RRA .0222 RC3 -.1710 FAU .12880
 FDE-3.6236 FRA .9381 FC-11.8801 BSP 12884
 BDE 1.3795 BRA .0497 BC3 5.3352 FSP -2811

MID-COURSE EXECUTION ACCURACY

SGT 4162.0 SGR 176.0 SG3 875.3
 RRT -.0088 RRF -.0314 RTF .9740
 SGB 4165.7 R23 .0228 R13 -.9740
 SG1 4162.0 SG2 175.9 THA 179.98

ORBIT DETERMINATION ACCURACY

ST 2578.5 SR 134.5 SS 2160.2
 CRT -.9940 CRS .9811 CST -.9954
 LSA 3362.7 MSA 159.5 SSA 8.9
 EL1 2582.0 EL2 14.7 ALF 177.03

LAUNCH DATE JUN 9 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 459.542

RL 151.86 LAL -0.00 LOL 257.50 VL 26.782 GAL .50 AZL 93.51 HCA 209.92 SMA 128.78 ECC .17944 INC 3.5075 V1 29.337
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.917 GAP 4.11 AZP 86.96 TAL 177.71 TAP 27.63 RCA 105.67 APO 151.89 V2 35.239
 RC 114.720 GL -32.16 GP 1.30 ZAL 89.54 ZAP 137.43 ETS 2.37 ZAE 139.16 ETE 177.24 ZAC 114.23 ETC 17.21 CLP-137.44

PLANETOCENTRIC CONIC

C3 9.476 VHL 3.078 DLA -24.74 RAL 155.77 RAD 6567.3 VEL 11.440 PTH 1.98 VHP 3.817 DPA 15.76 RAP 153.68 ECC 1.1559
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 19 1141.67 12.92 339.49 9.37 115.42 8 51 21 541.7 16.24 332.38
 90.00 12 41 17 5605.10 28.16 262.55 13.49 93.08 14 14 42 5005.1 28.29 253.89
 100.00 9 31 43 949.89 11.38 324.61 8.58 117.83 9 47 33 349.9 15.01 317.70
 100.00 14 24 34 5272.10 29.89 238.11 13.55 90.53 15 52 26 4672.1 29.64 229.32
 110.00 9 57 50 867.99 8.00 316.38 6.56 123.34 10 12 18 268.0 12.34 309.96
 110.00 16 14 57 4926.77 33.80 211.69 13.36 84.58 17 37 3 4326.8 32.68 202.63

DIFFERENTIAL CORRECTIONS

TDE-1.4557 TRA .0253 TC3-5.5143 BAU .6990
 RDE .0750 RRA .0277 RC3 -.2055 FAU .11877
 FDE-3.3963 FRA 1.0298 FC-10.8510 BSP 13432
 BDE 1.4577 BRA .0376 BC3 5.5181 FSP -2603

MID-COURSE EXECUTION ACCURACY

SGT 4343.9 SGR 196.8 SG3 815.3
 RRT .0632 RRF .0443 RTF .9738
 SGB 4348.4 R23 -.0174 R13 .9738
 SG1 4343.9 SG2 196.4 THA .16

ORBIT DETERMINATION ACCURACY

ST 2711.5 SR 140.7 SS 2096.2
 CRT -.9898 CRS .9739 CST -.9956
 LSA 3426.6 MSA 157.8 SSA 10.0
 EL1 2715.1 EL2 20.0 ALF 177.06

LAUNCH DATE JUN 9 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 465.675

RL 151.86 LAL -.00 LOL 257.50 VL 26.757 GAL .70 AZL 93.49 HCA 213.17 SMA 128.62 ECC .18116 INC 3.4939 V1 29.337
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.904 GAP 4.48 AZP 87.07 TAL 176.82 TAP 29.99 RCA 105.32 APO 151.91 V2 35.244
 RC 116.961 GL -31.76 GP 1.14 ZAL 87.80 ZAP 140.06 ETS 2.28 ZAE 137.65 ETE 177.78 ZAC 113.69 ETC 17.01 CLP-140.07

PLANETOCENTRIC CONIC

C3 9.596 VHL 3.098 DLA -25.13 RAL 157.68 RAD 6567.3 VEL 11.445 PTH 1.99 VHP 3.966 DPA 15.40 RAP 154.22 ECC 1.1579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 46 1120.65 13.53 338.25 11.66 115.11 9 5 27 520.7 16.81 331.10
 90.00 12 42 4 5631.08 28.05 264.44 15.69 94.03 14 15 55 5031.1 28.32 255.79
 100.00 9 44 51 933.16 11.91 323.65 10.84 117.62 10 0 24 333.2 15.51 316.71
 100.00 14 26 41 5293.80 29.86 239.72 15.78 91.38 15 54 54 4693.8 29.74 230.92
 110.00 10 9 12 856.73 8.43 315.78 8.76 123.25 10 23 29 256.7 12.74 309.35
 110.00 16 18 48 4943.00 33.90 212.95 15.65 85.31 17 41 11 4343.0 32.88 203.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.5366 TRA .0971 TC3-5.6658 BAU .7275 SGT 4520.9 SGR 217.6 SG3 761.3 ST 2844.6 SR 149.3 SS 2043.3
 RDE .0799 RRA .0335 RC3 -.2330 FAU .10969 RRT .1019 RRF .0846 RTF .9739 CRT -.9852 CRS .9670 CST -.9958
 FDE-3.2024 FRA 1.0921 FC3-9.8952 BSP 14035 SGB 4526.1 R23 -.0150 R13 .9739 LSA 3502.1 MSA 154.6 SSA 11.1
 BDE 1.5386 BRA .1027 BC3 5.6706 FSP -2440 SG1 4521.0 SG2 216.5 THA .28 EL1 2848.4 EL2 25.5 ALF 177.04

LAUNCH DATE JUN 9 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 471.788

RL 151.86 LAL -.00 LOL 257.50 VL 26.731 GAL .92 AZL 93.48 HCA 216.41 SMA 128.44 ECC .18303 INC 3.4824 V1 29.337
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.890 GAP 4.84 AZP 87.20 TAL 175.90 TAP 32.31 RCA 104.93 APO 151.95 V2 35.248
 RC 119.197 GL -31.33 GP 1.01 ZAL 85.99 ZAP 142.51 ETS 2.19 ZAE 136.29 ETE 178.21 ZAC 112.96 ETC 16.81 CLP-142.52

PLANETOCENTRIC CONIC

C3 9.750 VHL 3.123 DLA -25.52 RAL 159.69 RAD 6567.4 VEL 11.452 PTH 1.99 VHP 4.120 DPA 15.00 RAP 154.95 ECC 1.1605
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 16 1098.14 14.18 336.91 14.12 114.77 9 20 34 498.1 17.40 329.72
 90.00 12 42 33 5659.86 27.90 266.53 18.02 95.06 14 16 53 5059.9 28.31 257.89
 100.00 9 58 45 915.74 12.46 322.64 13.25 117.39 10 14 1 315.7 16.03 315.68
 100.00 14 28 45 5317.49 29.81 241.48 18.16 92.31 15 57 22 4717.5 29.81 232.68
 110.00 10 21 10 845.43 8.85 315.18 11.11 123.15 10 35 15 245.4 13.15 308.72
 110.00 16 22 49 4960.57 33.99 214.31 18.09 86.12 17 45 30 4360.6 33.08 205.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.6156 TRA .1766 TC3-5.7836 BAU .7546 SGT 4686.5 SGR 237.6 SG3 711.4 ST 2968.4 SR 159.5 SS 1989.5
 RDE .0859 RRA .0393 RC3 -.2543 FAU .10141 RRT .1213 RRF .1053 RTF .9740 CRT -.9803 CRS .9602 CST -.9960
 FDE-3.0206 FRA 1.1473 FC3-9.0048 BSP 14574 SGB 4692.5 R23 -.0133 R13 .9740 LSA 3573.8 MSA 151.5 SSA 12.2
 BDE 1.6179 BRA .1810 BC3 5.7892 FSP -2281 SG1 4686.5 SG2 235.9 THA .35 EL1 2972.5 EL2 31.4 ALF 176.98

LAUNCH DATE JUN 9 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 477.881

RL 151.86 LAL -.00 LOL 257.50 VL 26.704 GAL 1.15 AZL 93.47 HCA 219.66 SMA 128.26 ECC .18504 INC 3.4726 V1 29.337
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.874 GAP 5.21 AZP 87.33 TAL 174.94 TAP 34.60 RCA 104.53 APO 152.00 V2 35.252
 RC 121.426 GL -30.86 GP .90 ZAL 84.10 ZAP 144.80 ETS 2.10 ZAE 135.08 ETE 178.57 ZAC 112.07 ETC 16.58 CLP-144.81

PLANETOCENTRIC CONIC

C3 9.940 VHL 3.153 DLA -25.92 RAL 161.78 RAD 6567.4 VEL 11.460 PTH 1.99 VHP 4.279 DPA 14.57 RAP 155.84 ECC 1.1636
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 18 46 1074.30 14.85 335.48 16.73 114.39 9 36 40 474.3 18.02 328.24
 90.00 12 42 45 5691.34 27.69 268.81 20.48 96.19 14 17 36 5091.3 28.26 260.19
 100.00 10 13 22 897.96 13.01 321.62 15.81 117.15 10 28 20 298.0 16.55 314.61
 100.00 14 30 49 5342.91 29.73 243.37 20.67 93.30 15 59 52 4742.9 29.87 234.57
 110.00 10 33 37 834.42 9.26 314.59 13.59 123.05 10 47 31 234.4 13.54 308.11
 110.00 16 27 4 4979.21 34.07 215.76 20.69 86.97 17 50 3 4379.2 33.27 206.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.6941 TRA .2638 TC3-5.8655 BAU .7803 SGT 4841.6 SGR 256.6 SG3 665.1 ST 3084.9 SR 171.2 SS 1936.9
 RDE .0929 RRA .0452 RC3 -.2702 FAU .09378 RRT .1278 RRF .1124 RTF .9740 CRT -.9753 CRS .9537 CST -.9962
 FDE-2.8535 FRA 1.1956 FC3-8.1678 BSP 15112 SGB 4848.4 R23 -.0125 R13 .9740 LSA 3643.5 MSA 148.3 SSA 13.2
 BDE 1.6966 BRA .2676 BC3 5.8718 FSP -2143 SG1 4841.8 SG2 254.5 THA .39 EL1 3089.4 EL2 37.7 ALF 176.90

LAUNCH DATE JUN 9 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 483.954

RL 151.86 LAL -.00 LOL 257.50 VL 26.676 GAL 1.39 AZL 93.46 HCA 222.91 SMA 128.08 ECC .18722 INC 3.4641 V1 29.337
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.857 GAP 5.58 AZP 87.46 TAL 173.96 TAP 36.86 RCA 104.10 APO 152.06 V2 35.255
 RC 123.648 GL -30.35 GP .81 ZAL 82.14 ZAP 146.95 ETS 2.01 ZAE 133.99 ETE 178.87 ZAC 111.03 ETC 16.35 CLP-146.95

PLANETOCENTRIC CONIC

C3 10.169 VHL 3.189 DLA -26.32 RAL 163.95 RAD 6567.4 VEL 11.470 PTH 1.99 VHP 4.444 DPA 14.09 RAP 156.87 ECC 1.1673
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 36 14 1049.21 15.55 333.97 19.49 113.96 9 53 43 449.2 18.66 326.68
 90.00 12 42 39 5725.52 27.41 271.28 23.06 97.39 14 18 4 5125.5 28.15 262.69
 100.00 10 28 36 880.11 13.56 320.58 18.51 116.90 10 43 16 280.1 17.06 313.54
 100.00 14 32 58 5369.85 29.60 245.36 23.32 94.34 16 2 28 4769.8 29.89 236.57
 110.00 10 46 28 823.98 9.64 314.03 16.21 122.95 11 0 12 224.0 13.92 307.53
 110.00 16 31 34 4998.74 34.12 217.28 23.42 87.87 17 54 53 4398.7 33.45 208.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.7695 TRA .3636 TC3-5.8970 BAU .8026 SGT 4978.3 SGR 274.6 SG3 621.1 ST 3188.9 SR 183.9 SS 1881.6
 RDE .1009 RRA .0510 RC3 -.2809 FAU .08632 RRT .1258 RRF .1106 RTF .9736 CRT -.9702 CRS .9471 CST -.9963
 FDE-2.6941 FRA 1.2496 FC3-7.3490 BSP 15538 SGB 4985.9 R23 -.0123 R13 .9736 LSA 3704.3 MSA 146.1 SSA 14.2
 BDE 1.7724 BRA .3671 BC3 5.9037 FSP -1999 SG1 4978.5 SG2 272.5 THA .40 EL1 3193.9 EL2 44.5 ALF 176.80

LAUNCH DATE JUN 9 1967

FLIGHT TIME 174.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 490.005

RL 151.86 LAL -.00 LOL 257.50 VL 26.648 GAL 1.64 AZL 93.46 HCA 226.15 SMA 127.89 ECC .18956 INC 3.4565 V1 29.337
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.839 GAP 5.95 AZP 87.60 TAL 172.94 TAP 39.10 RCA 103.65 APO 152.13 V2 35.257
 RC 125.861 GL -29.80 GP .74 ZAL 80.12 ZAP 148.96 ETS 1.91 ZAE 133.01 ETE 179.12 ZAC 109.86 ETC 16.11 CLP-148.97

PLANETOCENTRIC CONIC

C3 10.441 VHL 3.231 DLA -26.70 RAL 166.21 RAD 6567.4 VEL 11.482 PTH 2.00 VHP 4.613 DPA 13.58 RAP 158.03 ECC 1.1718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 54 40 1022.90 16.27 332.38 22.41 113.50 10 11 43 422.9 19.31 325.02
 90.00 12 42 11 5762.46 27.06 273.92 25.75 98.68 14 18 14 5162.5 27.98 265.38
 100.00 10 44 19 862.55 14.10 319.55 21.35 116.63 10 58 41 262.5 17.56 312.47
 100.00 14 35 14 5398.04 29.44 247.44 26.08 95.42 16 5 12 4798.0 29.88 238.67
 110.00 10 59 38 814.45 10.00 313.51 18.96 122.86 11 13 13 214.4 14.26 307.00
 110.00 16 36 24 5018.91 34.16 218.86 26.29 88.80 18 0 3 4418.9 33.62 209.66

DIFFERENTIAL CORRECTIONS

TDE-1.8452 TRA .4704 TC3-5.8995 BAU .8245
 RDE .1098 RRA .0567 RC3 -.2870 FAU .07963
 FDE-2.5484 FRA 1.2951 FC3-6.6024 BSP 15984
 BDE 1.8485 BRA .4738 BC3 5.9065 FSP -1876

MID-COURSE EXECUTION ACCURACY

SGT 5110.0 SGR 291.5 SG3 581.1
 RRT .1177 RRF .1026 RTF .9734
 SGB 5118.3 R23 -.0124 R13 .9734
 SG1 5110.1 SG2 289.5 THA .39

ORBIT DETERMINATION ACCURACY

ST 3285.8 SR 197.7 SS 1827.9
 CRT -.9651 CRS .9409 CST -.9965
 LSA 3762.5 MSA 144.1 SSA 15.1
 EL1 3291.4 EL2 51.6 ALF 176.68

LAUNCH DATE JUN 9 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 496.033

RL 151.86 LAL -.00 LOL 257.50 VL 26.618 GAL 1.91 AZL 93.45 HCA 229.40 SMA 127.70 ECC .19207 INC 3.4497 V1 29.337
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.820 GAP 6.32 AZP 87.75 TAL 171.90 TAP 41.30 RCA 103.17 APO 152.22 V2 35.258
 RC 128.066 GL -29.21 GP .67 ZAL 78.05 ZAP 150.85 ETS 1.82 ZAE 132.13 ETE 179.34 ZAC 108.57 ETC 15.87 CLP-150.86

PLANETOCENTRIC CONIC

C3 10.761 VHL 3.280 DLA -27.07 RAL 168.53 RAD 6567.4 VEL 11.496 PTH 2.00 VHP 4.788 DPA 13.03 RAP 159.31 ECC 1.1771
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 14 6 995.23 17.02 330.69 25.47 112.98 10 30 41 395.2 19.98 323.27
 90.00 12 41 18 5802.40 26.62 276.76 28.53 100.03 14 18 0 5202.4 27.73 268.27
 100.00 11 0 24 845.62 14.61 318.56 24.32 116.37 11 14 30 245.6 18.04 311.44
 100.00 14 37 40 5427.24 29.23 249.59 28.96 96.53 16 8 8 4827.2 29.83 240.83
 110.00 11 12 59 806.10 10.30 313.06 21.82 122.77 11 26 26 206.1 14.55 306.54
 110.00 16 41 35 5039.52 34.18 220.47 29.28 89.76 18 5 34 4439.5 33.77 211.25

DIFFERENTIAL CORRECTIONS

TDE-1.9217 TRA .5843 TC3-5.8729 BAU .8460
 RDE .1196 RRA .0623 RC3 -.2888 FAU .07363
 FDE-2.4172 FRA 1.3325 FC3-5.9233 BSP 16430
 BDE 1.9254 BRA .5876 BC3 5.8800 FSP -1767

MID-COURSE EXECUTION ACCURACY

SGT 5237.0 SGR 307.3 SG3 544.8
 RRT .1049 RRF .0896 RTF .9733
 SGB 5246.0 R23 -.0129 R13 .9733
 SG1 5237.1 SG2 305.6 THA .35

ORBIT DETERMINATION ACCURACY

ST 3376.0 SR 212.2 SS 1777.0
 CRT -.9604 CRS .9354 CST -.9967
 LSA 3818.3 MSA 142.1 SSA 15.9
 EL1 3382.1 EL2 59.0 ALF 176.54

LAUNCH DATE JUN 9 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 502.039

RL 151.86 LAL -.00 LOL 257.50 VL 26.588 GAL 2.20 AZL 93.44 HCA 232.65 SMA 127.50 ECC .19476 INC 3.4436 V1 29.337
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.799 GAP 6.70 AZP 87.91 TAL 170.83 TAP 43.48 RCA 102.67 APO 152.33 V2 35.259
 RC 130.261 GL -28.57 GP .62 ZAL 75.93 ZAP 152.65 ETS 1.72 ZAE 131.35 ETE 179.51 ZAC 107.18 ETC 15.63 CLP-152.65

PLANETOCENTRIC CONIC

C3 11.136 VHL 3.337 DLA -27.42 RAL 170.91 RAD 6567.4 VEL 11.512 PTH 2.01 VHP 4.968 DPA 12.45 RAP 160.68 ECC 1.1833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 34 38 965.78 17.79 328.87 28.68 112.40 10 50 44 365.8 20.67 321.39
 90.00 12 39 47 5845.87 26.07 279.83 31.39 101.47 14 17 12 5245.9 27.39 271.41
 100.00 11 16 44 829.71 15.09 317.62 27.41 116.11 11 30 34 229.7 18.48 310.47
 100.00 14 40 21 5457.17 28.98 251.78 31.95 97.66 16 11 18 4857.2 29.74 243.05
 110.00 11 26 26 799.25 10.56 312.69 24.79 122.70 11 39 45 199.3 14.79 306.15
 110.00 16 47 9 5060.39 34.18 222.10 32.39 90.72 18 11 29 4460.4 33.90 212.86

DIFFERENTIAL CORRECTIONS

TDE-1.9963 TRA .7095 TC3-5.8064 BAU .8655
 RDE .1303 RRA .0676 RC3 -.2866 FAU .06795
 FDE-2.2930 FRA 1.3711 FC3-5.2824 BSP 16815
 BDE 2.0006 BRA .7128 BC3 5.8135 FSP -1661

MID-COURSE EXECUTION ACCURACY

SGT 5352.6 SGR 322.1 SG3 510.9
 RRT .0890 RRF .0735 RTF .9731
 SGB 5362.2 R23 -.0135 R13 .9731
 SG1 5352.6 SG2 320.8 THA .31

ORBIT DETERMINATION ACCURACY

ST 3454.3 SR 227.3 SS 1724.6
 CRT -.9557 CRS .9300 CST -.9968
 LSA 3864.9 MSA 141.2 SSA 16.6
 EL1 3461.1 EL2 66.8 ALF 176.40

LAUNCH DATE JUN 9 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 508.021

RL 151.86 LAL -.00 LOL 257.50 VL 26.557 GAL 2.50 AZL 93.44 HCA 235.90 SMA 127.30 ECC .19764 INC 3.4380 V1 29.337
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.777 GAP 7.08 AZP 88.07 TAL 169.74 TAP 45.64 RCA 102.14 APO 152.46 V2 35.259
 RC 132.447 GL -27.89 GP .57 ZAL 73.78 ZAP 154.34 ETS 1.62 ZAE 130.64 ETE 179.67 ZAC 105.69 ETC 15.39 CLP-154.35

PLANETOCENTRIC CONIC

C3 11.570 VHL 3.401 DLA -27.74 RAL 173.35 RAD 6567.4 VEL 11.531 PTH 2.01 VHP 5.153 DPA 11.83 RAP 162.13 ECC 1.1904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 56 34 933.51 18.62 326.86 32.04 111.73 11 12 8 333.5 21.40 319.30
 90.00 12 37 15 605.95 25.37 305.27 34.31 103.02 12 47 21 5.9 26.91 296.94
 100.00 11 33 9 815.23 15.53 316.76 30.61 115.87 11 46 45 215.2 18.88 309.57
 100.00 14 43 21 5487.50 28.69 253.98 35.03 98.78 16 14 48 4887.5 29.60 245.30
 110.00 11 39 51 794.20 10.74 312.42 27.86 122.65 11 53 5 194.2 14.97 305.87
 110.00 16 53 8 5081.30 34.15 223.73 35.62 91.69 18 17 50 4481.3 34.00 214.49

DIFFERENTIAL CORRECTIONS

TDE-2.0697 TRA .8440 TC3-5.7080 BAU .8840
 RDE .1420 RRA .0726 RC3 -.2808 FAU .06269
 FDE-2.1766 FRA 1.4059 FC3-4.6912 BSP 17192
 BDE 2.0746 BRA .8471 BC3 5.7149 FSP -1565

MID-COURSE EXECUTION ACCURACY

SGT 5460.1 SGR 335.9 SG3 479.4
 RRT .0706 RRF .0547 RTF .9728
 SGB 5470.5 R23 -.0143 R13 .9728
 SG1 5460.2 SG2 335.0 THA .25

ORBIT DETERMINATION ACCURACY

ST 3521.5 SR 242.9 SS 1671.5
 CRT -.9511 CRS .9249 CST -.9969
 LSA 3903.1 MSA 140.9 SSA 17.1
 EL1 3529.1 EL2 74.8 ALF 176.25

LAUNCH DATE JUN 9 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 513.978

RL 151.86 LAL -.00 LOL 257.50 VL 26.526 GAL 2.82 AZL 93.43 HCA 239.15 SMA 127.10 ECC .20073 INC 3.4327 V1 29.337
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.755 GAP 7.46 AZP 88.24 TAL 168.63 TAP 47.77 RCA 101.59 APO 152.61 V2 35.258
 RC 134.624 GL -27.17 GP .53 ZAL 71.61 ZAP 155.95 ETS 1.52 ZAE 130.00 ETE 179.79 ZAC 104.12 ETC 15.15 CLP-155.96

PLANETOCENTRIC CONIC

C3 12.071 VHL 3.474 DLA -28.02 RAL 175.82 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 5.344 DPA 11.18 RAP 163.67 ECC 1.1987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 20 48 895.42 19.56 324.47 35.56 110.89 11 35 44 295.4 22.23 316.81
 90.00 12 32 44 661.82 24.46 309.11 37.25 104.73 12 43 46 61.8 26.25 300.90
 100.00 11 49 29 802.66 15.90 316.01 33.90 115.65 12 2 52 202.7 19.22 308.80
 100.00 14 46 44 5517.85 28.35 256.18 38.20 99.89 16 18 42 4917.8 29.43 247.54
 110.00 11 53 8 791.22 10.85 312.26 31.01 122.62 12 6 19 191.2 15.08 305.70
 110.00 16 59 35 5102.06 34.09 225.35 38.94 92.64 18 24 37 4502.1 34.08 216.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1394 TRA .9911 TC3-5.5700 BAU .8999 SGT 5554.8 SGR 348.6 SG3 449.8 ST 3573.5 SR 258.8 SS 1615.9
 RDE .1547 RRA .0771 RC3 -.2720 FAU .05767 RRT .0507 RRF .0345 RTF .9724 CRT -.9465 CRS .9197 CST -.9970
 FDE-2.0643 FRA 1.4414 FC3-4.1365 BSP 17483 SGB 5565.7 R23 -.0150 R13 .9724 LSA 3927.8 MSA 141.7 SSA 17.5
 BDE 2.1450 BRA .9941 BC3 5.5766 FSP -1469 SG1 5554.8 SG2 348.2 THA .18 EL1 3581.9 EL2 83.3 ALF 176.08

LAUNCH DATE JUN 9 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 519.908

RL 151.86 LAL -.00 LOL 257.50 VL 26.495 GAL 3.16 AZL 93.43 HCA 242.39 SMA 126.90 ECC .20403 INC 3.4278 V1 29.337
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.731 GAP 7.85 AZP 88.41 TAL 167.50 TAP 49.89 RCA 101.00 APO 152.79 V2 35.256
 RC 136.791 GL -26.41 GP .49 ZAL 69.43 ZAP 157.49 ETS 1.43 ZAE 129.43 ETE 179.90 ZAC 102.47 ETC 14.93 CLP-157.50

PLANETOCENTRIC CONIC

C3 12.646 VHL 3.556 DLA -28.27 RAL 178.32 RAD 6567.5 VEL 11.577 PTH 2.02 VHP 5.541 DPA 10.50 RAP 165.26 ECC 1.2081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 52 12 835.64 20.96 320.65 39.36 109.48 12 6 8 235.6 23.43 312.84
 90.00 12 21 16 741.39 22.98 314.47 40.07 107.02 12 33 38 141.4 25.09 306.44
 100.00 12 5 30 792.58 16.19 315.41 37.27 115.47 12 18 43 192.6 19.49 308.17
 100.00 14 50 39 5547.73 27.98 258.32 41.45 100.96 16 23 7 4947.7 29.21 249.73
 110.00 12 6 8 790.59 10.87 312.22 34.24 122.61 12 19 19 190.6 15.10 305.67
 110.00 17 6 31 5122.48 34.02 226.94 42.35 93.58 18 31 53 4522.5 34.14 217.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2106 TRA 1.1460 TC3-5.4121 BAU .9161 SGT 5647.8 SGR 360.4 SG3 422.9 ST 3618.6 SR 274.8 SS 1563.4
 RDE .1683 RRA .0811 RC3 -.2604 FAU .05318 RRT .0287 RRF .0122 RTF .9722 CRT -.9423 CRS .9151 CST -.9971
 FDE-1.9633 FRA 1.4718 FC3-3.6405 BSP 17813 SGB 5659.3 R23 -.0158 R13 .9722 LSA 3948.8 MSA 143.0 SSA 17.8
 BDE 2.2170 BRA 1.1489 BC3 5.4184 FSP -1387 SG1 5647.8 SG2 360.2 THA .11 EL1 3627.9 EL2 91.8 ALF 175.90

LAUNCH DATE JUN 9 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 525.809

RL 151.86 LAL -.00 LOL 257.50 VL 26.463 GAL 3.51 AZL 93.42 HCA 245.64 SMA 126.69 ECC .20757 INC 3.4232 V1 29.337
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.706 GAP 8.25 AZP 88.59 TAL 166.35 TAP 51.99 RCA 100.39 APO 152.99 V2 35.254
 RC 138.949 GL -25.62 GP .46 ZAL 67.24 ZAP 158.96 ETS 1.33 ZAE 128.91 ETE 179.99 ZAC 100.76 ETC 14.71 CLP-158.97

PLANETOCENTRIC CONIC

C3 13.306 VHL 3.648 DLA -28.48 RAL 180.83 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 5.745 DPA 9.79 RAP 166.92 ECC 1.2190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.85 11 50 19 885.16 21.88 324.61 43.05 108.69 12 5 4 285.2 24.23 316.72
 93.15 12 43 13 713.78 21.89 312.07 43.06 108.68 12 55 6 113.8 24.24 304.17
 100.00 12 20 59 785.59 16.40 314.99 40.71 115.35 12 34 5 185.6 19.68 307.73
 100.00 14 55 14 5576.62 27.59 260.38 44.78 101.98 16 28 10 4976.6 28.96 251.85
 110.00 12 18 46 792.56 10.80 312.33 37.52 122.63 12 31 59 192.6 15.03 305.78
 110.00 17 13 56 5142.42 33.92 228.49 45.84 94.49 18 39 38 4542.4 34.17 219.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2808 TRA 1.3118 TC3-5.2290 BAU .9312 SGT 5734.3 SGR 371.1 SG3 398.0 ST 3652.7 SR 290.9 SS 1511.1
 RDE .1829 RRA .0846 RC3 -.2467 FAU .04899 RRT .0054 RRF -.0115 RTF .9720 CRT -.9381 CRS .9106 CST -.9973
 FDE-1.8689 FRA 1.5009 FC3-3.1876 BSP 18131 SGB 5746.3 R23 -.0167 R13 .9720 LSA 3960.9 MSA 145.2 SSA 17.9
 BDE 2.2881 BRA 1.3146 BC3 5.2348 FSP -1311 SG1 5734.3 SG2 371.1 THA .02 EL1 3662.9 EL2 100.5 ALF 175.72

LAUNCH DATE JUN 9 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 531.680

RL 151.86 LAL -.00 LOL 257.50 VL 26.430 GAL 3.89 AZL 93.42 HCA 248.89 SMA 126.48 ECC .21136 INC 3.4188 V1 29.337
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.681 GAP 8.66 AZP 88.77 TAL 165.18 TAP 54.07 RCA 99.75 APO 153.22 V2 35.251
 RC 141.095 GL -24.80 GP .43 ZAL 65.05 ZAP 160.37 ETS 1.24 ZAE 128.44 ETE 180.06 ZAC 98.99 ETC 14.50 CLP-160.37

PLANETOCENTRIC CONIC

C3 14.060 VHL 3.750 DLA -28.64 RAL 183.35 RAD 6567.6 VEL 11.638 PTH 2.04 VHP 5.956 DPA 9.05 RAP 168.63 ECC 1.2314
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.50 11 49 8 933.51 21.74 328.10 46.45 109.13 12 4 41 333.5 24.15 320.24
 94.50 13 4 29 689.51 21.75 310.24 46.46 109.12 13 15 58 89.5 24.16 302.37
 100.00 12 35 41 782.35 16.49 314.80 44.19 115.29 12 48 44 182.4 19.76 307.53
 100.00 15 0 36 5603.94 27.19 262.31 48.17 102.92 16 34 0 5003.9 28.70 253.83
 110.00 12 30 56 797.32 10.63 312.59 40.85 122.68 12 44 13 197.3 14.86 306.05
 110.00 17 21 51 5161.74 33.81 229.99 49.41 95.37 18 47 53 4561.7 34.18 220.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3492 TRA 1.4889 TC3-5.0225 BAU .9451 SGT 5813.1 SGR 381.0 SG3 374.8 ST 3674.7 SR 306.8 SS 1459.0
 RDE .1985 RRA .0873 RC3 -.2311 FAU .04510 RRT -.0190 RRF -.0361 RTF .9718 CRT -.9339 CRS .9063 CST -.9974
 FDE-1.7800 FRA 1.5284 FC3-2.7768 BSP 18418 SGB 5825.6 R23 .0176 R13 -.9718 LSA 3962.8 MSA 148.1 SSA 17.8
 BDE 2.3576 BRA 1.4914 BC3 5.0278 FSP -1240 SG1 5813.1 SG2 380.9 THA 179.93 EL1 3685.9 EL2 109.3 ALF 175.54

LAUNCH DATE JUN 9 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 537.519

RL 151.86 LAL -0.00 LOL 257.50 VL 26.398 GAL 4.28 AZL 93.41 HCA 252.13 SMA 126.28 ECC .21541 INC 3.4147 V1 29.337
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.654 GAP 9.07 AZP 88.95 TAL 164.01 TAP 56.14 RCA 99.07 APO 153.48 V2 35.247
 RC 143.232 GL -23.95 GP .41 ZAL 62.88 ZAP 161.72 ETS 1.15 ZAE 128.01 ETE 180.13 ZAC 97.16 ETC 14.30 CLP-161.73

PLANETOCENTRIC CONIC

C3 14.919 VHL 3.863 DLA -28.77 RAL 185.86 RAD 6567.6 VEL 11.675 PTH 2.05 VHP 6.175 DPA 8.28 RAP 170.38 ECC 1.2455
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.71 11 52 39 967.63 21.53 330.53 49.90 109.55 12 8 47 367.6 24.00 322.69
 95.29 13 20 59 681.71 21.54 309.59 49.91 109.54 13 32 20 81.7 24.01 301.75
 100.00 12 49 22 783.54 16.46 314.87 47.69 115.31 13 2 25 183.5 19.73 307.61
 100.00 15 6 57 5629.07 26.80 264.07 51.63 103.77 16 40 46 5029.1 28.42 255.65
 110.00 12 42 32 805.02 10.34 313.01 44.20 122.76 12 55 57 205.0 14.59 306.48
 110.00 17 30 16 5180.36 33.68 231.42 53.03 96.22 18 56 36 4580.4 34.17 222.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4129 TRA 1.6812 TC3-4.7870 BAU .9558 SGT 5880.4 SGR 389.8 SG3 352.9 ST 3681.2 SR 322.2 SS 1404.8
 RDE .2151 RRA .0892 RC3 .2143 FAU .04128 RRT -.0436 RRF -.0606 RTF .9714 CRT -.9295 CRS .9014 CST -.9974
 FDE-1.6928 FRA 1.5586 FC3-2.3957 BSP 18610 SGB 5893.3 R23 .0180 R13 -.9714 LSA 3950.3 MSA 152.4 SSA 17.7
 BDE 2.4224 BRA 1.6835 BC3 4.7918 FSP -1168 SG1 5880.4 SG2 389.5 THA 179.83 EL1 3693.4 EL2 118.5 ALF 175.34

LAUNCH DATE JUN 9 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 543.322

RL 151.86 LAL -0.00 LOL 257.50 VL 26.365 GAL 4.70 AZL 93.41 HCA 255.38 SMA 126.07 ECC .21976 INC 3.4106 V1 29.337
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.627 GAP 9.50 AZP 89.14 TAL 162.82 TAP 58.20 RCA 98.36 APO 153.77 V2 35.243
 RC 145.356 GL -23.08 GP .39 ZAL 60.73 ZAP 163.03 ETS 1.07 ZAE 127.62 ETE 180.17 ZAC 95.29 ETC 14.12 CLP-163.04

PLANETOCENTRIC CONIC

C3 15.898 VHL 3.987 DLA -28.85 RAL 188.35 RAD 6567.6 VEL 11.717 PTH 2.06 VHP 6.402 DPA 7.49 RAP 172.16 ECC 1.2616
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.25 11 58 54 993.82 21.26 332.35 53.40 109.97 12 15 27 393.8 23.79 324.55
 95.75 13 34 35 684.14 21.27 309.66 53.40 109.96 13 45 59 84.1 23.79 301.86
 100.00 13 1 46 789.79 16.28 315.24 51.20 115.42 13 14 55 189.8 19.57 308.00
 100.00 15 14 24 5651.44 26.42 265.63 55.15 104.51 16 48 36 5051.4 28.16 257.26
 110.00 12 53 30 815.78 9.95 313.59 47.58 122.87 13 7 6 215.8 14.21 307.08
 110.00 17 39 9 5198.22 33.54 232.80 56.71 97.02 19 5 47 4598.2 34.15 223.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4788 TRA 1.8821 TC3-4.5461 BAU .9672 SGT 5946.8 SGR 397.8 SG3 332.9 ST 3682.1 SR 337.2 SS 1354.5
 RDE .2326 RRA .0902 RC3 -.1967 FAU .03788 RRT -.0697 RRF -.0867 RTF .9712 CRT -.9253 CRS .8971 CST -.9975
 FDE-1.6149 FRA 1.5846 FC3-2.0627 BSP 18868 SGB 5960.0 R23 .0187 R13 -.9712 LSA 3934.6 MSA 156.8 SSA 17.4
 BDE 2.4897 BRA 1.8842 BC3 4.5504 FSP -1107 SG1 5946.8 SG2 396.8 THA 179.73 EL1 3695.3 EL2 127.4 ALF 175.15

LAUNCH DATE JUN 9 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 549.086

RL 151.86 LAL -0.00 LOL 257.50 VL 26.332 GAL 5.14 AZL 93.41 HCA 258.62 SMA 125.86 ECC .22442 INC 3.4067 V1 29.337
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.599 GAP 9.94 AZP 89.33 TAL 161.62 TAP 60.25 RCA 97.61 APO 154.10 V2 35.237
 RC 147.469 GL -22.20 GP .37 ZAL 58.61 ZAP 164.30 ETS .99 ZAE 127.26 ETE 180.21 ZAC 93.38 ETC 13.95 CLP-164.30

PLANETOCENTRIC CONIC

C3 17.011 VHL 4.124 DLA -28.88 RAL 190.80 RAD 6567.7 VEL 11.764 PTH 2.08 VHP 6.640 DPA 6.68 RAP 173.98 ECC 1.2800
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.06 12 7 5 1014.48 20.92 333.74 56.92 110.38 12 24 0 414.5 23.50 325.98
 95.94 13 46 0 694.43 20.93 310.29 56.93 110.37 13 57 34 94.4 23.52 302.52
 100.00 13 12 43 801.51 15.93 315.94 54.69 115.63 13 26 4 201.5 19.25 308.72
 100.00 15 23 3 5670.68 26.09 266.96 58.73 105.13 16 57 34 5070.7 27.91 258.64
 110.00 13 3 46 829.63 9.43 314.33 50.96 123.01 13 17 36 229.6 13.72 307.85
 110.00 17 48 29 5215.32 33.39 234.11 60.43 97.78 19 15 24 4615.3 34.11 224.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5433 TRA 2.0955 TC3-4.2927 BAU .9771 SGT 6006.2 SGR 404.9 SG3 314.3 ST 3672.7 SR 351.5 SS 1305.2
 RDE .2511 RRA .0903 RC3 -.1786 FAU .03470 RRT -.0965 RRF -.1132 RTF .9711 CRT -.9211 CRS .8928 CST -.9976
 FDE-1.5418 FRA 1.6098 FC3-1.7658 BSP 19108 SGB 6019.8 R23 .0192 R13 -.9711 LSA 3910.1 MSA 161.8 SSA 17.1
 BDE 2.5557 BRA 2.0974 BC3 4.2965 FSP -1051 SG1 6006.3 SG2 403.0 THA 179.63 EL1 3686.9 EL2 136.3 ALF 174.96

LAUNCH DATE JUN 9 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 554.808

RL 151.86 LAL -0.00 LOL 257.50 VL 26.298 GAL 5.60 AZL 93.40 HCA 261.87 SMA 125.65 ECC .22942 INC 3.4029 V1 29.337
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.570 GAP 10.40 AZP 89.52 TAL 160.42 TAP 62.29 RCA 96.82 APO 154.48 V2 35.231
 RC 149.570 GL -21.31 GP .35 ZAL 56.53 ZAP 165.52 ETS .92 ZAE 126.92 ETE 180.24 ZAC 91.43 ETC 13.80 CLP-165.53

PLANETOCENTRIC CONIC

C3 18.277 VHL 4.275 DLA -28.88 RAL 193.22 RAD 6567.7 VEL 11.818 PTH 2.09 VHP 6.888 DPA 5.85 RAP 175.83 ECC 1.3008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.09 12 17 0 1030.24 20.51 334.73 60.47 110.78 12 34 11 430.2 23.16 327.02
 95.91 13 55 21 712.00 20.53 311.42 60.48 110.77 14 7 13 112.0 23.17 303.70
 100.00 13 22 9 818.85 15.42 316.98 58.16 115.93 13 35 47 218.9 18.78 309.80
 100.00 15 32 54 5686.66 25.80 268.06 62.37 105.64 17 7 41 5086.7 27.70 259.78
 110.00 13 13 20 846.59 8.80 315.24 54.33 123.16 13 27 26 246.6 13.11 308.79
 110.00 17 58 12 5231.69 33.23 235.36 64.19 98.51 19 25 24 4631.7 34.05 226.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6063 TRA 2.3231 TC3-4.0291 BAU .9853 SGT 6058.9 SGR 411.0 SG3 296.9 ST 3653.6 SR 364.9 SS 1257.1
 RDE .2705 RRA .0892 RC3 -.1605 FAU .03168 RRT -.1237 RRF -.1400 RTF .9709 CRT -.9168 CRS .8884 CST -.9977
 FDE-1.4729 FRA 1.6357 FC3-1.5005 BSP 19319 SGB 6072.8 R23 .0195 R13 -.9709 LSA 3877.4 MSA 167.3 SSA 16.7
 BDE 2.6203 BRA 2.3248 BC3 4.0323 FSP -997 SG1 6059.1 SG2 407.8 THA 179.52 EL1 3668.9 EL2 145.1 ALF 174.76

LAUNCH DATE JUN 9 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 560.484

RL 151.86 LAL -.00 LOL 257.50 VL 26.265 GAL 6.09 AZL 93.40 MCA 265.11 SMA 125.44 ECC .23480 INC 3.3991 V1 29.337
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.540 GAP 10.87 AZP 89.71 TAL 159.21 TAP 64.32 RCA 95.99 APO 154.90 V2 35.225
 RC 151.657 GL -20.41 GP .33 ZAL 54.49 ZAP 166.72 ETS .86 ZAE 126.61 ETE 180.26 ZAC 89.44 ETC 13.66 CLP-166.72

PLANETOCENTRIC CONIC

C3 19.716 VML 4.440 DLA -28.83 RAL 195.59 RAD 6567.8 VEL 11.878 PTH 2.11 VHP 7.148 DPA 5.01 RAP 177.71 ECC 1.3245
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.35 12 28 33 1041.29 20.05 335.36 64.04 111.16 12 45 55 441.3 22.75 327.68
 95.65 14 2 41 736.66 20.06 313.04 64.04 111.15 14 14 57 136.7 22.76 305.37
 100.00 13 30 4 841.64 14.73 318.32 61.59 116.31 13 44 6 241.6 18.15 311.20
 100.00 15 43 51 5699.59 25.56 268.95 66.05 106.05 17 18 50 5099.6 27.51 260.69
 110.00 13 22 8 866.58 8.06 316.31 57.69 123.33 13 36 35 266.6 12.39 309.89
 110.00 18 8 16 5247.41 33.07 236.56 67.98 99.20 19 35 43 4647.4 33.98 227.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6651 TRA 2.5678 TC3-3.7535 BAU .9901 SGT 6102.7 SGR 416.2 SG3 280.6 ST 3622.8 SR 377.2 SS 1209.1
 RDE .2908 RRA .0869 RC3 -.1428 FAU .02872 RRT -.1509 RRF -.1663 RTF .9706 CRT -.9121 CRS .8834 CST -.9977
 FDE-1.4060 FRA 1.6637 FC3-1.2612 BSP 19439 SGB 6116.9 R23 .0194 R13 -.9707 LSA 3833.8 MSA 173.4 SSA 16.4
 BDE 2.6809 BRA 2.5693 BC3 3.7562 FSP -942 SG1 6103.0 SG2 411.5 THA 179.41 EL1 3639.1 EL2 153.9 ALF 174.57

LAUNCH DATE JUN 9 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 566.108

RL 151.86 LAL -.00 LOL 257.50 VL 26.232 GAL 6.62 AZL 93.40 MCA 268.35 SMA 125.24 ECC .24058 INC 3.3954 V1 29.337
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.510 GAP 11.36 AZP 89.90 TAL 158.00 TAP 66.35 RCA 95.11 APO 155.37 V2 35.217
 RC 153.730 GL -19.51 GP .32 ZAL 52.50 ZAP 167.88 ETS .81 ZAE 126.32 ETE 180.27 ZAC 87.44 ETC 13.54 CLP-167.89

PLANETOCENTRIC CONIC

C3 21.351 VML 4.621 DLA -28.74 RAL 197.89 RAD 6567.9 VEL 11.947 PTH 2.13 VHP 7.421 DPA 4.15 RAP 179.60 ECC 1.3514
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.86 12 41 54 1046.99 19.52 335.56 67.61 111.53 12 59 21 447.0 22.27 327.93
 95.14 14 7 45 769.07 19.53 315.20 67.61 111.51 14 20 34 169.1 22.28 307.58
 100.00 13 36 36 869.42 13.89 319.95 64.97 116.74 13 51 5 269.4 17.37 312.89
 100.00 15 55 44 5709.91 25.36 269.65 69.78 106.37 17 30 54 5109.9 27.36 261.42
 110.00 13 30 13 889.51 7.20 317.53 61.03 123.51 13 45 2 289.5 11.55 311.14
 110.00 18 18 36 5262.59 32.90 237.71 71.78 99.86 19 46 19 4662.6 33.91 228.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7273 TRA 2.8235 TC3-3.4841 BAU .9952 SGT 6143.9 SGR 420.6 SG3 265.6 ST 3588.9 SR 388.4 SS 1165.3
 RDE .3119 RRA .0834 RC3 -.1256 FAU .02607 RRT -.1792 RRF -.1938 RTF .9706 CRT -.9077 CRS .8789 CST -.9978
 FDE-1.3466 FRA 1.6892 FC3-1.0572 BSP 19630 SGB 6158.3 R23 .0194 R13 -.9706 LSA 3789.0 MSA 179.2 SSA 15.9
 BDE 2.7450 BRA 2.8247 BC3 3.4864 FSP -896 SG1 6144.4 SG2 413.8 THA 179.29 EL1 3606.3 EL2 162.2 ALF 174.38

LAUNCH DATE JUN 9 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 571.674

RL 151.86 LAL -.00 LOL 257.50 VL 26.198 GAL 7.17 AZL 93.39 MCA 271.59 SMA 125.03 ECC .24682 INC 3.3917 V1 29.337
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.479 GAP 11.88 AZP 90.09 TAL 156.80 TAP 68.39 RCA 94.17 APO 155.89 V2 35.210
 RC 155.789 GL -18.61 GP .31 ZAL 50.57 ZAP 169.02 ETS .79 ZAE 126.05 ETE 180.27 ZAC 85.41 ETC 13.44 CLP-169.03

PLANETOCENTRIC CONIC

C3 23.211 VML 4.818 DLA -28.62 RAL 200.13 RAD 6567.9 VEL 12.025 PTH 2.15 VHP 7.710 DPA 3.27 RAP 181.52 ECC 1.3820
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.68 12 57 36 1045.39 18.93 335.19 71.17 111.87 13 15 1 445.4 21.73 327.62
 94.32 14 9 55 811.16 18.94 318.04 71.18 111.86 14 23 27 211.2 21.75 310.47
 100.00 13 41 54 901.58 12.90 321.83 68.31 117.20 13 56 55 301.6 16.44 314.83
 100.00 16 8 19 5718.24 25.20 270.22 73.53 106.63 17 43 37 5118.2 27.24 262.01
 110.00 13 37 33 915.23 6.23 318.89 64.34 123.68 13 52 49 315.2 10.61 312.54
 110.00 18 29 9 5277.35 32.72 238.83 75.60 100.50 19 57 6 4677.4 33.82 229.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7888 TRA 3.0953 TC3-3.2140 BAU .9979 SGT 6178.6 SGR 424.2 SG3 251.6 ST 3548.4 SR 398.2 SS 1123.5
 RDE .3338 RRA .0784 RC3 -.1093 FAU .02356 RRT -.2079 RRF -.2214 RTF .9707 CRT -.9031 CRS .8743 CST -.9979
 FDE-1.2912 FRA 1.7156 FC3 -.8787 BSP 19798 SGB 6193.2 R23 .0191 R13 -.9707 LSA 3738.6 MSA 185.0 SSA 15.5
 BDE 2.8087 BRA 3.0963 BC3 3.2159 FSP -852 SG1 6179.3 SG2 414.9 THA 179.18 EL1 3566.6 EL2 170.2 ALF 174.20

LAUNCH DATE JUN 9 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 577.176

RL 151.86 LAL -.00 LOL 257.50 VL 26.165 GAL 7.76 AZL 93.39 MCA 274.83 SMA 124.82 ECC .25354 INC 3.3880 V1 29.337
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.448 GAP 12.42 AZP 90.29 TAL 155.59 TAP 70.42 RCA 93.18 APO 156.47 V2 35.201
 RC 157.834 GL -17.72 GP .30 ZAL 48.70 ZAP 170.14 ETS .78 ZAE 125.79 ETE 180.27 ZAC 83.36 ETC 13.36 CLP-170.15

PLANETOCENTRIC CONIC

C3 25.329 VML 5.033 DLA -28.46 RAL 202.30 RAD 6568.0 VEL 12.112 PTH 2.17 VHP 8.014 DPA 2.39 RAP 183.44 ECC 1.4168
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.04 13 17 32 1030.32 18.28 333.81 74.72 112.19 13 34 43 430.3 21.14 326.29
 92.96 14 7 18 869.07 18.30 322.01 74.73 112.18 14 21 47 269.1 21.15 314.49
 100.00 13 46 8 937.47 11.77 323.89 71.59 117.68 14 1 46 337.5 15.38 316.97
 100.00 16 21 23 5725.19 25.07 270.69 77.31 106.84 17 56 48 5125.2 27.13 262.50
 110.00 13 44 11 943.59 5.16 320.38 67.62 123.84 13 59 55 343.6 9.57 314.07
 110.00 18 39 49 5291.83 32.53 239.92 79.43 101.12 20 8 1 4691.8 33.72 230.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8504 TRA 3.3841 TC3-2.9473 BAU .9985 SGT 6207.6 SGR 426.9 SG3 238.4 ST 3502.3 SR 406.7 SS 1084.0
 RDE .3564 RRA .0719 RC3 -.0941 FAU .02118 RRT -.2368 RRF -.2490 RTF .9708 CRT -.8984 CRS .8696 CST -.9980
 FDE-1.2397 FRA 1.7429 FC3 -.7238 BSP 19946 SGB 6222.3 R23 .0187 R13 -.9708 LSA 3683.8 MSA 190.7 SSA 15.1
 BDE 2.8726 BRA 3.3849 BC3 2.9488 FSP -810 SG1 6208.4 SG2 414.7 THA 179.06 EL1 3521.4 EL2 177.7 ALF 174.03

LAUNCH DATE JUN 9 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 582.605

RL 151.86 LAL -.00 LOL 257.50 VL 26.132 GAL 8.38 AZL 93.38 HCA 278.07 SMA 124.62 ECC .26081 INC 3.3842 V1 29.337
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.417 GAP 12.98 AZP 90.48 TAL 154.40 TAP 72.46 RCA 92.12 APO 157.12 V2 35.192
 RC 159.863 GL -16.84 GP .29 ZAL 46.88 ZAP 171.25 ETS .81 ZAE 125.53 ETE 180.26 ZAC 81.29 ETC 13.30 CLP-171.25

PLANETOCENTRIC CONIC

C3 27.743 VHL 5.267 DLA -28.27 RAL 204.40 RAD 6568.1 VEL 12.211 PTH 2.19 VHP 8.337 DPA 1.50 RAP 185.38 ECC 1.4566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 36 1 1020.12 16.35 332.21 77.71 113.45 13 53 1 420.1 19.38 324.85
 90.00 14 5 32 924.42 18.84 326.30 78.80 111.54 14 20 56 324.4 21.60 318.71
 100.00 13 49 30 976.46 10.53 326.12 74.82 118.14 14 5 46 376.5 14.21 319.27
 100.00 16 34 44 5731.35 24.94 271.11 81.10 107.03 18 10 15 5131.4 27.04 262.93
 110.00 13 50 9 974.41 3.99 322.00 70.86 123.98 14 6 24 374.4 8.42 315.72
 110.00 18 50 34 5306.17 32.34 240.99 83.26 101.72 20 19 0 4706.2 33.62 231.99

DIFFERENTIAL CORRECTIONS

TDE-2.9086 TRA 3.6951 TC3-2.6798 BAU .9944
 RDE .3795 RRA .0637 RC3 -.0802 FAU .01881
 FDE-1.1898 FRA 1.7736 FC3 -.5869 BSP 19984
 BDE 2.9332 BRA 3.6956 BC3 2.6810 FSP -767

MID-COURSE EXECUTION ACCURACY

SGT 6229.5 SGR 428.7 SG3 226.2
 RRT -.2653 RRF -.2759 RTF .9709
 SGB 6244.2 R23 .0178 R13 -.9710
 SG1 6230.5 SG2 413.3 THA 178.95

ORBIT DETERMINATION ACCURACY

ST 3448.5 SR 413.5 SS 1045.7
 CRT -.8932 CRS .8642 CST -.9980
 LSA 3621.8 MSA 196.5 SSA 14.7
 EL1 3468.2 EL2 184.9 ALF 173.87

LAUNCH DATE JUN 9 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 587.950

RL 151.86 LAL -.00 LOL 257.50 VL 26.099 GAL 9.05 AZL 93.38 HCA 281.30 SMA 124.42 ECC .26869 INC 3.3804 V1 29.337
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.384 GAP 13.58 AZP 90.66 TAL 153.22 TAP 74.52 RCA 90.99 APO 157.85 V2 35.183
 RC 161.876 GL -15.97 GP .28 ZAL 45.14 ZAP 172.34 ETS .89 ZAE 125.28 ETE 180.25 ZAC 79.22 ETC 13.27 CLP-172.34

PLANETOCENTRIC CONIC

C3 30.500 VHL 5.523 DLA -28.05 RAL 206.41 RAD 6568.2 VEL 12.324 PTH 2.22 VHP 8.682 DPA .60 RAP 187.33 ECC 1.5020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 24 25 1107.63 13.91 337.47 80.43 114.92 13 42 52 507.6 17.15 330.30
 90.00 14 33 11 884.30 19.83 323.76 83.03 110.64 14 47 55 284.3 22.46 316.08
 100.00 13 52 7 1018.02 9.18 328.48 78.01 118.57 14 9 5 418.0 12.93 321.69
 100.00 16 48 10 5737.18 24.83 271.50 84.88 107.20 18 23 47 5137.2 26.95 263.34
 110.00 13 55 28 1007.49 2.72 323.73 74.06 124.09 14 12 15 407.5 7.18 317.48
 110.00 19 1 18 5320.47 32.14 242.06 87.07 102.33 20 29 59 4720.5 33.50 233.09

DIFFERENTIAL CORRECTIONS

TDE-2.9729 TRA 4.0204 TC3-2.4264 BAU .9898
 RDE .4034 RRA .0539 RC3 -.0675 FAU .01667
 FDE-1.1468 FRA 1.8032 FC3 -.4732 BSP 20119
 BDE 3.0001 BRA 4.0207 BC3 2.4274 FSP -731

MID-COURSE EXECUTION ACCURACY

SGT 6247.4 SGR 429.8 SG3 214.8
 RRT -.2948 RRF -.3039 RTF .9713
 SGB 6262.2 R23 .0170 R13 -.9714
 SG1 6248.7 SG2 410.6 THA 178.83

ORBIT DETERMINATION ACCURACY

ST 3395.4 SR 418.9 SS 1012.0
 CRT -.8883 CRS .8595 CST -.9981
 LSA 3562.0 MSA 201.5 SSA 14.2
 EL1 3415.8 EL2 191.2 ALF 173.73

LAUNCH DATE JUN 9 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 593.200

RL 151.86 LAL -.00 LOL 257.50 VL 26.066 GAL 9.76 AZL 93.38 HCA 284.53 SMA 124.22 ECC .27723 INC 3.3765 V1 29.337
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.352 GAP 14.22 AZP 90.85 TAL 152.05 TAP 76.59 RCA 89.78 APO 158.66 V2 35.172
 RC 163.875 GL -15.12 GP .27 ZAL 43.47 ZAP 173.42 ETS 1.04 ZAE 125.03 ETE 180.23 ZAC 77.14 ETC 13.25 CLP-173.43

PLANETOCENTRIC CONIC

C3 33.656 VHL 5.801 DLA -27.80 RAL 208.34 RAD 6568.3 VEL 12.451 PTH 2.25 VHP 9.049 DPA -.29 RAP 189.28 ECC 1.5539
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 18 53 1175.55 11.92 341.48 83.34 115.88 13 38 29 575.5 15.31 334.43
 90.00 14 54 5 865.93 20.26 322.59 87.02 110.21 15 8 31 265.9 22.83 314.86
 100.00 13 54 6 1061.72 7.75 330.93 81.14 118.96 14 11 47 461.7 11.56 324.21
 100.00 17 1 34 5743.04 24.71 271.90 88.66 107.38 18 37 17 5143.0 26.85 263.75
 110.00 14 0 10 1042.66 1.38 325.57 77.22 124.16 14 17 32 442.7 5.85 319.34
 110.00 19 11 59 5334.86 31.92 243.12 90.88 102.92 20 40 54 4734.9 33.37 234.19

DIFFERENTIAL CORRECTIONS

TDE-3.0390 TRA 4.3670 TC3-2.1812 BAU .9818
 RDE .4278 RRA .0422 RC3 -.0561 FAU .01463
 FDE-1.1075 FRA 1.8348 FC3 -.3763 BSP 20226
 BDE 3.0689 BRA 4.3672 BC3 2.1819 FSP -696

MID-COURSE EXECUTION ACCURACY

SGT 6259.8 SGR 430.0 SG3 204.2
 RRT -.3245 RRF -.3318 RTF .9719
 SGB 6274.5 R23 .0160 R13 -.9719
 SG1 6261.3 SG2 406.7 THA 178.72

ORBIT DETERMINATION ACCURACY

ST 3339.7 SR 422.7 SS 980.9
 CRT -.8834 CRS .8549 CST -.9982
 LSA 3500.2 MSA 205.9 SSA 13.8
 EL1 3360.5 EL2 196.8 ALF 173.60

LAUNCH DATE JUN 9 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 598.341

RL 151.86 LAL -.00 LOL 257.50 VL 26.033 GAL 10.53 AZL 93.37 HCA 287.76 SMA 124.02 ECC .28652 INC 3.3725 V1 29.337
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.319 GAP 14.89 AZP 91.03 TAL 150.91 TAP 78.67 RCA 88.49 APO 159.56 V2 35.162
 RC 165.860 GL -14.28 GP .26 ZAL 41.86 ZAP 174.50 ETS 1.30 ZAE 124.78 ETE 180.21 ZAC 75.06 ETC 13.26 CLP-174.51

PLANETOCENTRIC CONIC

C3 37.276 VHL 6.105 DLA -27.52 RAL 210.18 RAD 6568.5 VEL 12.595 PTH 2.28 VHP 9.443 DPA -1.19 RAP 191.24 ECC 1.6135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 15 1 1238.10 10.04 345.11 86.26 116.62 13 35 39 638.1 13.53 338.17
 90.00 15 12 37 854.98 20.52 321.89 90.92 109.95 15 26 52 255.0 23.05 314.13
 100.00 13 55 32 1107.17 6.25 333.46 84.22 119.29 14 13 59 507.2 10.10 326.80
 100.00 17 14 48 5749.18 24.58 272.31 92.42 107.56 18 50 37 5149.2 26.75 264.18
 110.00 14 4 16 1079.72 -.04 327.50 80.34 124.18 14 22 16 479.7 4.45 321.29
 110.00 19 22 33 5349.40 31.70 244.20 94.66 103.52 20 51 42 4749.4 33.23 235.31

DIFFERENTIAL CORRECTIONS

TDE-3.1074 TRA 4.7366 TC3-1.9455 BAU .9698
 RDE .4526 RRA .0285 RC3 -.0462 FAU .01266
 FDE-1.0717 FRA 1.8688 FC3 -.2940 BSP 20311
 BDE 3.1401 BRA 4.7367 BC3 1.9460 FSP -664

MID-COURSE EXECUTION ACCURACY

SGT 6266.6 SGR 429.5 SG3 194.2
 RRT -.3542 RRF -.3597 RTF .9726
 SGB 6281.3 R23 .0148 R13 -.9726
 SG1 6268.5 SG2 401.5 THA 178.60

ORBIT DETERMINATION ACCURACY

ST 3281.7 SR 424.8 SS 952.7
 CRT -.8785 CRS .8502 CST -.9983
 LSA 3437.1 MSA 209.8 SSA 13.4
 EL1 3303.0 EL2 201.6 ALF 173.49

LAUNCH DATE JUN 9 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 603.354

RL 151.86 LAL - .00 LOL 257.50 VL 26.001 GAL 11.35 AZL 93.37 HCA 290.99 SMA 123.83 ECC .29665 INC 3.3683 V1 29.337
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.286 GAP 15.62 AZP 91.21 TAL 149.79 TAP 80.79 RCA 87.09 APO 160.56 V2 35.151
 RC 167.829 GL -13.45 GP .25 ZAL 40.34 ZAP 175.58 ETS 1.76 ZAE 124.52 ETE 180.19 ZAC 72.98 ETC 13.29 CLP-175.59

PLANETOCENTRIC CONIC

C3 41.442 VHL 6.438 DLA -27.23 RAL 211.92 RAD 6568.6 VEL 12.760 PTH 2.32 VHP 9.868 DPA -2.08 RAP 193.19 ECC 1.6820
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 11 53 1298.21 8.19 348.55 89.17 117.20 13 33 31 698.2 11.77 341.70
 90.00 15 29 43 848.39 20.67 321.47 94.76 109.79 15 43 51 248.4 23.18 313.70
 100.00 13 56 29 1154.10 4.68 336.06 87.26 119.56 14 15 43 554.1 8.58 329.45
 100.00 17 27 47 5755.78 24.45 272.75 96.15 107.76 19 3 43 5155.8 26.65 264.64
 110.00 14 7 50 1118.48 -1.52 329.52 83.41 124.15 14 26 28 518.5 2.97 323.32
 110.00 19 32 56 5364.16 31.46 245.28 98.41 104.12 21 2 20 4764.2 33.08 236.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1753 TRA 5.1352 TC3-1.7164 BAU .9512 SGT 6268.1 SGR 428.1 SG3 184.9 ST 3220.1 SR 425.2 SS 926.7
 RDE .4777 RRA .0126 RC3 -.0377 FAU .01068 RRT -.3836 RRF -.3871 RTF .9734 CRT -.8733 CRS .8451 CST -.9984
 FDE-1.0380 FRA 1.9071 FC3 -.2231 BSP 20287 SGB 6282.7 R23 .0133 R13 -.9734 LSA 3370.9 MSA 213.2 SSA 13.0
 BDE 3.2111 BRA 5.1352 BC3 1.7168 FSP -629 SG1 6270.3 SG2 395.2 THA 178.49 EL1 3241.5 EL2 205.8 ALF 173.40

LAUNCH DATE JUN 9 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 608.217

RL 151.86 LAL - .00 LOL 257.50 VL 25.969 GAL 12.23 AZL 93.36 HCA 294.22 SMA 123.64 ECC .30773 INC 3.3640 V1 29.337
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.253 GAP 16.40 AZP 91.38 TAL 148.71 TAP 82.93 RCA 85.59 APO 161.68 V2 35.139
 RC 169.783 GL -12.65 GP .25 ZAL 38.89 ZAP 176.66 ETS 2.60 ZAE 124.25 ETE 180.16 ZAC 70.92 ETC 13.35 CLP-176.67

PLANETOCENTRIC CONIC

C3 46.251 VHL 6.801 DLA -26.91 RAL 213.58 RAD 6568.7 VEL 12.947 PTH 2.36 VHP 10.326 DPA -2.97 RAP 195.14 ECC 1.7612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 9 5 1357.03 6.34 351.89 92.05 117.66 13 31 42 757.0 10.00 345.11
 90.00 15 45 43 844.85 20.75 321.24 98.52 109.71 15 59 47 244.8 23.25 313.46
 100.00 13 57 0 1202.25 3.05 338.72 90.24 119.75 14 17 2 602.3 6.99 332.14
 100.00 17 40 29 5762.90 24.30 273.23 99.83 107.97 19 16 32 5162.9 26.53 265.14
 110.00 14 10 51 1158.76 -3.06 331.62 86.44 124.06 14 30 9 558.8 1.44 325.42
 110.00 19 43 7 5379.15 31.20 246.38 102.12 104.72 21 12 46 4779.1 32.91 237.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2527 TRA 5.5564 TC3-1.5036 BAU .9299 SGT 6264.9 SGR 426.1 SG3 176.2 ST 3161.2 SR 424.1 SS 904.9
 RDE .5033 RRA -.0053 RC3 -.0304 FAU .00885 RRT -.4135 RRF -.4153 RTF .9744 CRT -.8686 CRS .8410 CST -.9985
 FDE-1.0101 FRA 1.9468 FC3 -.1657 BSP 20358 SGB 6279.4 R23 .0118 R13 -.9745 LSA 3308.4 MSA 215.3 SSA 12.5
 BDE 3.2914 BRA 5.5564 BC3 1.5039 FSP -600 SG1 6267.4 SG2 387.8 THA 178.38 EL1 3182.7 EL2 208.7 ALF 173.33

LAUNCH DATE JUN 9 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 612.904

RL 151.86 LAL - .00 LOL 257.50 VL 25.937 GAL 13.19 AZL 93.36 HCA 297.45 SMA 123.45 ECC .31986 INC 3.3594 V1 29.337
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.220 GAP 17.24 AZP 91.55 TAL 147.67 TAP 85.12 RCA 83.96 APO 162.93 V2 35.128
 RC 171.722 GL -11.86 GP .24 ZAL 37.52 ZAP 177.76 ETS 4.41 ZAE 123.96 ETE 180.13 ZAC 68.86 ETC 13.44 CLP-177.77

PLANETOCENTRIC CONIC

C3 51.826 VHL 7.199 DLA -26.57 RAL 215.14 RAD 6568.9 VEL 13.160 PTH 2.40 VHP 10.824 DPA -3.85 RAP 197.09 ECC 1.8529
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 6 24 1415.09 4.50 355.15 94.89 117.99 13 29 59 815.1 8.21 348.44
 90.00 16 0 48 843.63 20.78 321.16 102.23 109.68 16 14 52 243.6 23.28 313.38
 100.00 13 57 5 1251.43 1.39 341.42 93.17 119.86 14 17 56 651.4 5.35 334.87
 100.00 17 52 49 5770.56 24.14 273.74 103.47 108.19 19 29 0 5170.6 26.40 265.67
 110.00 14 13 20 1200.40 -4.64 333.81 89.42 123.90 14 33 20 600.4 -1.16 327.59
 110.00 19 53 3 5394.35 30.94 247.48 105.78 105.32 21 22 58 4794.3 32.73 238.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.3362 TRA 6.0074 TC3-1.3025 BAU .9026 SGT 6256.5 SGR 423.3 SG3 168.0 ST 3102.5 SR 421.3 SS 886.4
 RDE .5293 RRA -.0256 RC3 -.0244 FAU .00707 RRT -.4435 RRF -.4435 RTF .9757 CRT -.8641 CRS .8371 CST -.9986
 FDE -.9862 FRA 1.9902 FC3 -.1180 BSP 20415 SGB 6270.8 R23 .0103 R13 -.9757 LSA 3246.8 MSA 216.6 SSA 12.1
 BDE 3.3779 BRA 6.0075 BC3 1.3027 FSP -573 SG1 6259.4 SG2 379.3 THA 178.27 EL1 3123.9 EL2 210.6 ALF 173.28

LAUNCH DATE JUN 9 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 617.383

RL 151.86 LAL - .00 LOL 257.50 VL 25.906 GAL 14.23 AZL 93.35 HCA 300.67 SMA 123.26 ECC .33320 INC 3.3546 V1 29.337
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.187 GAP 18.15 AZP 91.71 TAL 146.69 TAP 87.35 RCA 82.19 APO 164.33 V2 35.116
 RC 173.647 GL -11.09 GP .23 ZAL 36.24 ZAP 178.86 ETS 10.02 ZAE 123.65 ETE 180.10 ZAC 66.83 ETC 13.55 CLP-178.88

PLANETOCENTRIC CONIC

C3 58.316 VHL 7.636 DLA -26.21 RAL 216.59 RAD 6569.1 VEL 13.404 PTH 2.45 VHP 11.367 DPA -4.71 RAP 199.02 ECC 1.9597
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 3 44 1472.68 2.65 358.38 97.68 118.20 13 28 16 872.7 6.40 351.71
 90.00 16 15 7 844.21 20.77 321.20 105.85 109.69 16 29 11 244.2 23.26 313.42
 100.00 13 56 45 1301.45 -.31 344.16 96.04 119.89 14 18 27 701.4 3.67 337.64
 100.00 18 4 47 5778.72 23.96 274.28 107.05 108.43 19 41 5 5178.7 26.26 266.24
 110.00 14 15 18 1243.22 -6.26 336.06 92.35 123.67 14 36 2 643.2 -1.79 329.82
 110.00 20 2 43 5409.71 30.65 248.59 109.37 105.92 21 32 52 4809.7 32.53 239.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.4263 TRA 6.4924 TC3-1.1133 BAU .8681 SGT 6243.3 SGR 419.8 SG3 160.4 ST 3043.7 SR 417.0 SS 871.2
 RDE .5555 RRA -.0485 RC3 -.0196 FAU .00530 RRT -.4733 RRF -.4717 RTF .9770 CRT -.8598 CRS .8335 CST -.9987
 FDE -.9660 FRA 2.0383 FC3 -.0786 BSP 20456 SGB 6257.4 R23 .0086 R13 -.9770 LSA 3185.9 MSA 216.9 SSA 11.7
 BDE 3.4711 BRA 6.4926 BC3 1.1133 FSP -547 SG1 6246.5 SG2 369.6 THA 178.17 EL1 3064.9 EL2 211.5 ALF 173.25

LAUNCH DATE JUN 10 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 19 1967

HELIOCENTRIC CONIC

DISTANCE 154.472

RL 151.88 LAL -0.00 LOL 258.45 VL 21.539 GAL 3.53 AZL 93.46 HCA 60.18 SMA 103.39 ECC .47221 INC 3.4619 V1 29.334
 RP 108.94 LAP -3.00 LOP 318.59 VP 33.954 GAP -28.02 AZP 91.72 TAL 176.03 TAP 236.22 RCA 54.57 APO 152.21 V2 34.786
 RC 45.578 GL -9.27 GP -.25 ZAL 81.97 ZAP 16.82 ETS 179.81 ZAE 167.93 ETE 121.62 ZAC 109.37 ETC 15.65 CLP 16.82

PLANETOCENTRIC CONIC

C3 64.957 VHL 8.060 DLA -7.15 RAL 173.17 RAD 6569.2 VEL 13.650 PTH 2.49 VHP 16.633 DPA 12.38 RAP 158.41 ECC 2.0690
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 56 2283.27 -21.17 45.88 52.59 109.25 7 14 59 1683.3 -18.35 38.34
 90.00 16 47 37 5373.95 27.85 245.68 58.39 84.66 18 17 11 4773.9 26.82 237.17
 100.00 7 54 51 2031.89 -22.56 26.86 52.05 110.15 8 28 43 1431.9 -19.61 19.31
 100.00 18 12 23 5100.56 29.32 225.41 58.22 83.88 19 37 23 4500.6 28.16 216.79
 110.00 8 55 17 1842.69 -26.28 10.90 50.45 112.69 9 25 59 1242.7 -22.97 3.30
 110.00 19 28 26 4862.52 33.28 206.75 57.64 81.70 20 49 29 4262.5 31.77 197.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4520 TRA -1.0108 TC3 -.0277 BAU .0557 SGT 793.5 SGR 439.5 SG3 45.5 ST 387.9 SR 392.5 SS 347.3
 RDE -.5467 RRA -.2551 RC3 .0579 FAU .01732 RRT .0096 RRF -.0094 RTF -.6497 CRT -.7420 CRS -.8663 CST .9759
 FDE -.3153 FRA .4170 FC3 -.2308 BSP 2124 SGB 907.1 R23 -.0004 R13 -.6497 LSA 619.4 MSA 203.1 SSA 14.4
 BDE .7093 BRA 1.0425 BC3 .0642 FSP -98 SG1 793.6 SG2 439.5 THA .44 EL1 515.0 EL2 198.2 ALF 134.54

LAUNCH DATE JUN 10 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 160.916

RL 151.88 LAL -0.00 LOL 258.45 VL 22.012 GAL 3.33 AZL 93.45 HCA 63.34 SMA 105.07 ECC .44851 INC 3.4532 V1 29.334
 RP 108.93 LAP -3.09 LOP 321.75 VP 34.258 GAP -26.57 AZP 91.55 TAL 175.89 TAP 239.23 RCA 57.95 APO 152.20 V2 34.788
 RC 44.711 GL -10.04 GP -.26 ZAL 81.84 ZAP 15.19 ETS 179.59 ZAE 168.68 ETE 110.27 ZAC 107.90 ETC 15.43 CLP 15.19

PLANETOCENTRIC CONIC

C3 57.642 VHL 7.592 DLA -7.91 RAL 173.00 RAD 6569.0 VEL 13.379 PTH 2.45 VHP 15.833 DPA 11.82 RAP 159.86 ECC 1.9486
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 10 2229.82 -19.94 42.45 50.25 110.54 7 19 20 1629.8 -16.96 35.04
 90.00 16 40 58 5369.42 27.82 245.35 56.38 84.49 18 10 27 4769.4 26.77 236.84
 100.00 7 59 42 1979.72 -21.30 23.50 49.69 111.48 8 32 42 1379.7 -18.19 16.08
 100.00 18 6 7 5094.76 29.27 224.98 56.21 83.66 19 31 2 4494.8 28.09 216.38
 110.00 8 59 14 1793.30 -24.94 7.69 48.02 114.17 9 29 8 1193.3 -21.47 .26
 110.00 19 23 4 4853.94 33.19 206.09 55.60 81.32 20 43 58 4253.9 31.64 197.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4507 TRA -.9932 TC3 -.0144 BAU .0519 SGT 830.0 SGR 442.9 SG3 50.1 ST 408.9 SR 394.5 SS 368.8
 RDE -.5177 RRA -.2403 RC3 .0658 FAU .01797 RRT .0095 RRF -.0083 RTF -.6685 CRT -.7463 CRS -.8720 CST .9749
 FDE -.3328 FRA .4252 FC3 -.2699 BSP 2223 SGB 940.7 R23 .0006 R13 -.6685 LSA 645.2 MSA 205.8 SSA 14.7
 BDE .6864 BRA 1.0219 BC3 .0673 FSP -109 SG1 830.0 SG2 442.8 THA .40 EL1 531.0 EL2 202.2 ALF 136.38

LAUNCH DATE JUN 10 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 167.408

RL 151.88 LAL -0.00 LOL 258.45 VL 22.451 GAL 3.11 AZL 93.44 HCA 66.51 SMA 106.72 ECC .42603 INC 3.4450 V1 29.334
 RP 108.92 LAP -3.16 LOP 324.92 VP 34.544 GAP -25.19 AZP 91.37 TAL 175.79 TAP 242.30 RCA 61.25 APO 152.18 V2 34.791
 RC 44.000 GL -10.85 GP -.27 ZAL 81.84 ZAP 13.56 ETS 179.33 ZAE 168.98 ETE 97.30 ZAC 106.42 ETC 15.23 CLP 13.56

PLANETOCENTRIC CONIC

C3 51.237 VHL 7.158 DLA -8.66 RAL 172.70 RAD 6568.9 VEL 13.138 PTH 2.40 VHP 15.066 DPA 11.24 RAP 161.31 ECC 1.8432
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 53 2176.59 -18.63 39.09 47.85 111.72 7 23 9 1576.6 -15.52 31.80
 90.00 16 33 52 5364.49 27.79 244.99 54.22 84.32 18 3 17 4764.5 26.71 236.49
 100.00 8 4 0 1927.75 -19.97 20.21 47.27 112.72 8 36 8 1327.8 -16.72 12.93
 100.00 17 59 25 5088.56 29.23 224.52 54.05 83.43 19 24 14 4488.6 28.01 215.93
 110.00 9 2 39 1744.11 -23.54 4.56 45.55 115.54 9 31 43 1144.1 -19.90 357.30
 110.00 19 17 16 4844.96 33.10 205.41 53.42 80.92 20 38 1 4245.0 31.49 196.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4521 TRA -.9724 TC3 .0044 BAU .0511 SGT 866.6 SGR 445.4 SG3 55.1 ST 432.1 SR 395.8 SS 391.8
 RDE -.4897 RRA -.2258 RC3 .0745 FAU .01871 RRT .0072 RRF -.0064 RTF -.6883 CRT -.7535 CRS -.8783 CST .9746
 FDE -.3520 FRA .4323 FC3 -.3161 BSP 2373 SGB 974.3 R23 .0003 R13 -.6883 LSA 673.6 MSA 207.1 SSA 15.0
 BDE .6664 BRA .9983 BC3 .0746 FSP -123 SG1 866.6 SG2 445.4 THA .29 EL1 549.0 EL2 204.8 ALF 138.33

LAUNCH DATE JUN 10 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 173.943

RL 151.88 LAL -0.00 LOL 258.45 VL 22.856 GAL 2.88 AZL 93.44 HCA 69.67 SMA 108.32 ECC .40477 INC 3.4371 V1 29.334
 RP 108.91 LAP -3.22 LOP 328.09 VP 34.813 GAP -23.87 AZP 91.20 TAL 175.75 TAP 245.42 RCA 64.48 APO 152.16 V2 34.795
 RC 43.455 GL -11.69 GP -.29 ZAL 81.95 ZAP 11.93 ETS 179.01 ZAE 168.75 ETE 83.77 ZAC 104.95 ETC 15.03 CLP 11.92

PLANETOCENTRIC CONIC

C3 45.630 VHL 6.755 DLA -9.40 RAL 172.27 RAD 6568.7 VEL 12.923 PTH 2.36 VHP 14.330 DPA 10.66 RAP 162.75 ECC 1.7510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 1 2123.79 -17.27 35.81 45.39 112.80 7 26 25 1523.8 -14.03 28.63
 90.00 16 26 20 5359.34 27.75 244.62 51.94 84.13 17 55 39 4759.3 26.65 236.13
 100.00 8 7 45 1876.24 -18.58 17.02 44.79 113.85 8 39 1 1276.2 -15.20 9.85
 100.00 17 52 17 5082.12 29.17 224.05 51.76 83.18 19 16 59 4482.1 27.92 215.47
 110.00 9 5 30 1695.38 -22.07 1.53 43.03 116.79 9 33 46 1095.4 -18.30 354.43
 110.00 19 11 1 4835.75 33.00 204.71 51.12 80.52 20 31 37 4235.8 31.34 195.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4535 TRA -.9515 TC3 .0275 BAU .0539 SGT 904.7 SGR 447.2 SG3 60.6 ST 456.3 SR 396.3 SS 415.9
 RDE -.4627 RRA -.2117 RC3 .0839 FAU .01952 RRT .0053 RRF -.0046 RTF -.7069 CRT -.7609 CRS -.8846 CST .9742
 FDE -.3724 FRA .4389 FC3 -.3703 BSP 2514 SGB 1009.2 R23 .0004 R13 -.7069 LSA 703.4 MSA 207.9 SSA 15.3
 BDE .6479 BRA .9748 BC3 .0883 FSP -138 SG1 904.7 SG2 447.2 THA .20 EL1 567.9 EL2 206.6 ALF 140.27

LAUNCH DATE JUN 10 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 180.516

RL 151.88 LAL -.00 LOL 258.45 VL 23.232 GAL 2.64 AZL 93.43 HCA 72.83 SMA 109.87 ECC .38471 INC 3.4296 V1 29.334
 RP 108.90 LAP -3.28 LOP 331.26 VP 35.064 GAP -22.62 AZP 91.01 TAL 175.77 TAP 248.60 RCA 67.60 APO 152.14 V2 34.799
 RC 43.079 GL -12.57 GP -.30 ZAL 82.19 ZAP 10.29 ETS 178.62 ZAE 167.96 ETE 71.05 ZAC 103.48 ETC 14.85 CLP 10.28

PLANETOCENTRIC CONIC

C3 40.723 VHL 6.381 DLA -10.11 RAL 171.72 RAD 6568.6 VEL 12.731 PTH 2.31 VHP 13.624 DPA 10.08 RAP 164.18 ECC 1.6702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 54 34 2071.71 -15.87 32.63 42.88 113.77 7 29 6 1471.7 -12.52 25.55
 90.00 16 18 22 5354.10 27.71 244.24 49.54 83.95 17 47 36 4754.1 26.59 235.76
 100.00 8 10 54 1825.44 -17.16 13.92 42.27 114.86 8 41 20 1225.4 -13.66 6.87
 100.00 17 44 42 5075.61 29.12 223.58 49.35 82.94 19 9 18 4475.6 27.84 215.01
 110.00 9 7 47 1647.35 -20.57 358.62 40.48 117.92 9 35 14 1047.3 -16.67 351.66
 110.00 19 4 19 4826.47 32.89 204.00 48.70 80.12 20 24 46 4226.5 31.18 195.20

DIFFERENTIAL CORRECTIONS

TDE .4564 TRA -.9285 TC3 .0567 BAU .0598
 RDE -.4368 RRA -.1981 RC3 .0941 FAU .02043
 FDE -.3951 FRA .4444 FC3 -.4344 BSP 2667
 BDE .6317 BRA .9494 BC3 .1098 FSP -155

MID-COURSE EXECUTION ACCURACY

SGT 943.5 SGR 448.2 SG3 66.8
 RRT .0023 RRF -.0020 RTF -.7249
 SGB 1044.6 R23 .0001 R13 -.7249
 SG1 943.5 SG2 448.2 THA .08

ORBIT DETERMINATION ACCURACY

ST 482.1 SR 395.9 SS 441.8
 CRT -.7697 CRS -.8913 CST .9741
 LSA 735.6 MSA 207.6 SSA 15.6
 EL1 588.5 EL2 207.1 ALF 142.22

LAUNCH DATE JUN 10 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 187.123

RL 151.88 LAL -.00 LOL 258.45 VL 23.579 GAL 2.39 AZL 93.42 HCA 76.00 SMA 111.37 ECC .36584 INC 3.4224 V1 29.334
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.300 GAP -21.42 AZP 90.83 TAL 175.84 TAP 251.83 RCA 70.63 APO 152.11 V2 34.804
 RC 42.876 GL -13.47 GP -.32 ZAL 82.55 ZAP 8.64 ETS 178.10 ZAE 166.69 ETE 60.09 ZAC 102.02 ETC 14.68 CLP 8.63

PLANETOCENTRIC CONIC

C3 36.432 VHL 6.036 DLA -10.81 RAL 171.03 RAD 6568.4 VEL 12.562 PTH 2.28 VHP 12.946 DPA 9.49 RAP 165.59 ECC 1.5996
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 32 2020.61 -14.44 29.56 40.34 114.63 7 31 12 1420.6 -11.00 22.57
 90.00 16 9 58 5348.93 27.68 243.87 47.04 83.76 17 39 7 4748.9 26.52 235.39
 100.00 8 13 28 1775.62 -15.70 10.93 39.72 115.77 8 43 4 1175.6 -12.11 3.98
 100.00 17 36 42 5069.16 29.07 223.10 46.85 82.69 19 1 12 4469.2 27.75 214.55
 110.00 9 9 27 1600.28 -19.04 355.82 37.91 118.94 9 36 8 1000.3 -15.04 348.99
 110.00 18 57 12 4817.26 32.78 203.31 46.18 79.72 20 17 30 4217.3 31.02 194.53

DIFFERENTIAL CORRECTIONS

TDE .4596 TRA -.9044 TC3 .0922 BAU .0681
 RDE -.4121 RRA -.1849 RC3 .1050 FAU .02146
 FDE -.4197 FRA .4489 FC3 -.5099 BSP 2817
 BDE .6173 BRA .9231 BC3 .1397 FSP -173

MID-COURSE EXECUTION ACCURACY

SGT 983.2 SGR 448.3 SG3 73.6
 RRT -.0008 RRF .0009 RTF -.7420
 SGB 1080.6 R23 -.0001 R13 .7420
 SG1 983.2 SG2 448.3 THA 179.97

ORBIT DETERMINATION ACCURACY

ST 509.0 SR 394.8 SS 469.3
 CRT -.7791 CRS -.8982 CST .9740
 LSA 769.6 MSA 206.6 SSA 15.9
 EL1 610.2 EL2 206.5 ALF 144.12

LAUNCH DATE JUN 10 1967

FLIGHT TIME 82.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 193.758

RL 151.88 LAL -.00 LOL 258.45 VL 23.899 GAL 2.15 AZL 93.42 HCA 79.16 SMA 112.81 ECC .34812 INC 3.4153 V1 29.334
 RP 108.87 LAP -3.35 LOP 337.60 VP 35.520 GAP -20.28 AZP 90.64 TAL 175.97 TAP 255.13 RCA 73.54 APO 152.08 V2 34.809
 RC 42.849 GL -14.41 GP -.34 ZAL 83.03 ZAP 6.97 ETS 177.37 ZAE 165.08 ETE 51.14 ZAC 100.57 ETC 14.52 CLP 6.96

PLANETOCENTRIC CONIC

C3 32.681 VHL 5.717 DLA -11.48 RAL 170.22 RAD 6568.3 VEL 12.412 PTH 2.24 VHP 12.295 DPA 8.90 RAP 166.98 ECC 1.5379
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 59 52 1970.78 -13.00 26.60 37.76 115.38 7 32 43 1370.8 -9.48 19.70
 90.00 16 1 10 5343.93 27.64 243.51 44.45 83.59 17 30 14 4743.9 26.46 235.04
 100.00 8 15 24 1727.06 -14.25 8.06 37.13 116.56 8 44 11 1127.1 -10.57 1.20
 100.00 17 28 18 5062.88 29.01 222.65 44.26 82.46 18 52 41 4462.9 27.66 214.10
 110.00 9 10 31 1554.46 -17.51 353.15 35.31 119.84 9 36 26 954.5 -13.41 346.44
 110.00 18 49 41 4808.24 32.67 202.63 43.58 79.33 20 9 49 4208.2 30.85 193.88

DIFFERENTIAL CORRECTIONS

TDE .4638 TRA -.8794 TC3 .1354 BAU .0780
 RDE -.3885 RRA -.1723 RC3 .1164 FAU .02261
 FDE -.4468 FRA .4525 FC3 -.5990 BSP 2979
 BDE .6050 BRA .8961 BC3 .1785 FSP -195

MID-COURSE EXECUTION ACCURACY

SGT 1024.1 SGR 447.6 SG3 81.2
 RRT -.0042 RRF .0040 RTF -.7587
 SGB 1117.7 R23 -.0000 R13 .7587
 SG1 1024.1 SG2 447.6 THA 179.87

ORBIT DETERMINATION ACCURACY

ST 537.5 SR 393.0 SS 498.5
 CRT -.7893 CRS -.9053 CST .9742
 LSA 806.0 MSA 204.7 SSA 16.3
 EL1 633.6 EL2 204.7 ALF 145.98

LAUNCH DATE JUN 10 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 200.417

RL 151.88 LAL -.00 LOL 258.45 VL 24.195 GAL 1.90 AZL 93.41 HCA 82.33 SMA 114.19 ECC .33153 INC 3.4084 V1 29.334
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.726 GAP -19.18 AZP 90.46 TAL 176.16 TAP 258.48 RCA 76.33 APO 152.05 V2 34.815
 RC 42.995 GL -15.37 GP -.35 ZAL 83.63 ZAP 5.28 ETS 176.19 ZAE 163.25 ETE 44.00 ZAC 99.15 ETC 14.37 CLP 5.27

PLANETOCENTRIC CONIC

C3 29.407 VHL 5.423 DLA -12.13 RAL 169.29 RAD 6568.2 VEL 12.279 PTH 2.21 VHP 11.670 DPA 8.30 RAP 168.35 ECC 1.4840
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 34 1922.50 -11.58 23.77 35.15 116.02 7 33 36 1322.5 -7.99 16.94
 90.00 15 52 0 5339.16 27.60 243.16 41.79 83.42 17 20 59 4739.2 26.40 234.70
 100.00 8 16 43 1680.05 -12.80 5.32 34.53 117.25 8 44 43 1080.1 -9.05 358.54
 100.00 17 19 32 5056.84 28.96 222.21 41.60 82.23 18 43 49 4456.8 27.58 213.67
 110.00 9 10 58 1510.14 -15.99 350.61 32.70 120.62 9 36 8 910.1 -11.81 344.00
 110.00 18 41 47 4799.52 32.56 201.97 40.90 78.96 20 1 46 4199.5 30.69 193.25

DIFFERENTIAL CORRECTIONS

TDE .4688 TRA -.8528 TC3 .1856 BAU .0887
 RDE -.3661 RRA -.1602 RC3 .1282 FAU .02389
 FDE -.4768 FRA .4549 FC3 -.7034 BSP 3139
 BDE .5948 BRA .8677 BC3 .2256 FSP -219

MID-COURSE EXECUTION ACCURACY

SGT 1065.4 SGR 446.0 SG3 89.7
 RRT -.0085 RRF .0079 RTF -.7741
 SGB 1155.0 R23 .0001 R13 .7741
 SG1 1065.5 SG2 446.0 THA 179.75

ORBIT DETERMINATION ACCURACY

ST 567.3 SR 390.3 SS 529.8
 CRT -.8004 CRS -.9124 CST .9744
 LSA 844.8 MSA 202.0 SSA 16.6
 EL1 658.4 EL2 201.6 ALF 147.78

LAUNCH DATE JUN 10 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 207.096

RL 151.88 LAL -0.00 LOL 258.45 VL 24.469 GAL 1.66 AZL 93.40 HCA 85.49 SMA 115.51 ECC .31603 INC 3.4015 V1 29.334
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.919 GAP -18.13 AZP 90.27 TAL 176.40 TAP 261.90 RCA 79.01 APO 152.02 V2 34.822
 RC 43.312 GL -16.36 GP -.38 ZAL 84.36 ZAP 3.58 ETS 173.92 ZAE 161.30 ETE 38.32 ZAC 97.74 ETC 14.24 CLP 3.56

PLANETOCENTRIC CONIC

C3 26.551 VHL 5.153 DLA -12.75 RAL 168.23 RAD 6568.1 VEL 12.163 PTH 2.18 VHP 11.071 DPA 7.72 RAP 169.69 ECC 1.4370
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 37 1876.05 -10.18 21.08 32.53 116.57 7 33 53 1276.0 -6.53 14.30
 90.00 15 42 31 5334.69 27.57 242.84 39.07 83.26 17 11 26 4734.7 26.35 234.39
 100.00 8 17 22 1634.86 -11.38 2.72 31.90 117.83 8 44 37 1034.9 -7.56 356.01
 100.00 17 10 27 5051.12 28.90 221.79 38.88 82.02 18 34 38 4451.1 27.50 213.27
 110.00 9 10 46 1467.59 -14.50 348.21 30.08 121.30 9 35 14 867.6 -10.25 341.69
 110.00 18 33 32 4791.15 32.45 201.34 38.17 78.60 19 53 23 4191.1 30.54 192.65

DIFFERENTIAL CORRECTIONS

TDE .4730 TRA -.8262 TC3 .2427 BAU .0995
 RDE -.3449 RRA -.1486 RC3 .1404 FAU .02531
 FDE -.5093 FRA .4565 FC3 -.8254 BSP 3281
 BDE .5854 BRA .8395 BC3 .2804 FSP -245

MID-COURSE EXECUTION ACCURACY

SGT 1107.4 SGR 443.6 SG3 99.1
 RRT -.0120 RRF .0117 RTF -.7880
 SGB 1193.0 R23 -.0004 R13 .7880
 SG1 1107.4 SG2 443.5 THA 179.67

ORBIT DETERMINATION ACCURACY

ST 597.1 SR 386.9 SS 562.4
 CRT -.8108 CRS -.9193 CST .9746
 LSA 884.6 MSA 199.2 SSA 16.9
 EL1 683.4 EL2 197.9 ALF 149.45

LAUNCH DATE JUN 10 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 213.790

RL 151.88 LAL -0.00 LOL 258.45 VL 24.720 GAL 1.42 AZL 93.39 HCA 88.66 SMA 116.77 ECC .30159 INC 3.3948 V1 29.334
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.098 GAP -17.12 AZP 90.08 TAL 176.70 TAP 265.37 RCA 81.55 APO 151.99 V2 34.830
 RC 43.796 GL -17.36 GP -.40 ZAL 85.19 ZAP 1.86 ETS 167.44 ZAE 159.33 ETE 33.76 ZAC 96.37 ETC 14.12 CLP 1.81

PLANETOCENTRIC CONIC

C3 24.064 VHL 4.905 DLA -13.34 RAL 167.06 RAD 6568.0 VEL 12.060 PTH 2.16 VHP 10.495 DPA 7.13 RAP 171.00 ECC 1.3960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 59 1831.72 -8.82 18.54 29.89 117.02 7 33 31 1231.7 -5.12 11.80
 90.00 15 32 47 5330.51 27.53 242.54 36.31 83.11 17 1 38 4730.5 26.29 234.09
 100.00 8 17 22 1591.75 -9.99 .27 29.26 118.32 8 43 54 991.8 -6.13 353.61
 100.00 17 1 6 5045.71 28.85 221.40 36.12 81.82 18 25 12 4445.7 27.42 212.88
 110.00 9 9 57 1427.06 -13.06 345.96 27.45 121.88 9 33 44 827.1 -8.75 339.51
 110.00 18 25 0 4783.17 32.34 200.75 35.40 78.26 19 44 43 4183.2 30.38 192.08

DIFFERENTIAL CORRECTIONS

TDE .4793 TRA -.7972 TC3 .3091 BAU .1109
 RDE -.3250 RRA -.1377 RC3 .1526 FAU .02692
 FDE -.5460 FRA .4561 FC3 -.9684 BSP 3445
 BDE .5791 BRA .8090 BC3 .3447 FSP -275

MID-COURSE EXECUTION ACCURACY

SGT 1149.3 SGR 440.2 SG3 109.6
 RRT -.0176 RRF .0167 RTF -.8018
 SGB 1230.8 R23 -.0001 R13 .8018
 SG1 1149.4 SG2 440.2 THA 179.55

ORBIT DETERMINATION ACCURACY

ST 629.2 SR 382.8 SS 597.7
 CRT -.8229 CRS -.9265 CST .9751
 LSA 928.0 MSA 195.2 SSA 17.3
 EL1 710.9 EL2 192.5 ALF 151.08

LAUNCH DATE JUN 10 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 220.497

RL 151.88 LAL -0.00 LOL 258.45 VL 24.952 GAL 1.19 AZL 93.39 HCA 91.83 SMA 117.97 ECC .28817 INC 3.3880 V1 29.334
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.265 GAP -16.16 AZP 89.89 TAL 177.06 TAP 268.89 RCA 83.97 APO 151.96 V2 34.834
 RC 44.440 GL -18.36 GP -.43 ZAL 86.13 ZAP .43 ETS 93.51 ZAE 157.39 ETE 30.05 ZAC 95.03 ETC 14.01 CLP .03

PLANETOCENTRIC CONIC

C3 21.901 VHL 4.680 DLA -13.88 RAL 165.78 RAD 6567.9 VEL 11.970 PTH 2.13 VHP 9.942 DPA 6.56 RAP 172.28 ECC 1.3604
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 2 42 1789.78 -7.51 16.14 27.25 117.38 7 32 32 1189.8 -3.78 9.45
 90.00 15 22 53 5326.59 27.50 242.26 33.53 82.97 16 51 39 4726.6 26.24 233.82
 100.00 8 16 42 1551.00 -8.67 357.97 26.63 118.72 8 42 33 951.0 -4.77 351.35
 100.00 16 51 33 5040.60 28.80 221.02 33.33 81.63 18 15 34 4440.6 27.34 212.52
 110.00 9 8 30 1388.78 -11.67 343.86 24.83 122.36 9 31 38 788.8 -7.32 337.47
 110.00 18 16 15 4775.59 32.23 200.18 32.61 77.94 19 35 51 4175.6 30.24 191.54

DIFFERENTIAL CORRECTIONS

TDE .4856 TRA -.7676 TC3 .3858 BAU .1228
 RDE -.3063 RRA -.1273 RC3 .1646 FAU .02878
 FDE -.5869 FRA .4540 FC3 -1.1375 BSP 3595
 BDE .5741 BRA .7781 BC3 .4194 FSP -310

MID-COURSE EXECUTION ACCURACY

SGT 1192.1 SGR 436.0 SG3 121.5
 RRT -.0228 RRF .0219 RTF -.8148
 SGB 1269.3 R23 -.0005 R13 .8148
 SG1 1192.1 SG2 435.9 THA 179.45

ORBIT DETERMINATION ACCURACY

ST 661.8 SR 378.1 SS 635.2
 CRT -.8349 CRS -.9336 CST .9756
 LSA 973.4 MSA 191.0 SSA 17.6
 EL1 739.0 EL2 186.3 ALF 152.62

LAUNCH DATE JUN 10 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 227.211

RL 151.88 LAL -0.00 LOL 258.45 VL 25.165 GAL .96 AZL 93.38 HCA 95.01 SMA 119.10 ECC .27574 INC 3.3812 V1 29.334
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.420 GAP -15.23 AZP 89.70 TAL 177.46 TAP 272.47 RCA 86.26 APO 151.94 V2 34.846
 RC 45.237 GL -19.37 GP -.46 ZAL 87.16 ZAP 1.85 ETS 13.93 ZAE 155.54 ETE 27.00 ZAC 93.73 ETC 13.91 CLP -1.79

PLANETOCENTRIC CONIC

C3 20.023 VHL 4.475 DLA -14.39 RAL 164.40 RAD 6567.8 VEL 11.891 PTH 2.11 VHP 9.412 DPA 5.99 RAP 173.51 ECC 1.3295
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 1 44 1750.47 -6.27 13.92 24.62 117.67 7 30 55 1150.5 -2.52 7.25
 90.00 15 12 52 5322.88 27.47 241.99 30.74 82.84 16 41 35 4722.9 26.19 233.56
 100.00 8 15 23 1512.83 -7.41 355.83 24.00 119.04 8 40 36 912.8 -3.49 349.24
 100.00 16 41 54 5035.75 28.75 220.67 30.54 81.45 18 5 50 4435.8 27.27 212.18
 110.00 9 6 26 1352.96 -10.36 341.92 22.22 122.76 9 28 59 753.0 -5.97 335.58
 110.00 18 7 21 4768.38 32.13 199.64 29.81 77.64 19 26 49 4168.4 30.09 191.02

DIFFERENTIAL CORRECTIONS

TDE .4917 TRA -.7373 TC3 .4682 BAU .1339
 RDE -.2887 RRA -.1175 RC3 .1761 FAU .03079
 FDE -.6316 FRA .4512 FC3 -1.3311 BSP 3770
 BDE .5702 BRA .7467 BC3 .5003 FSP -348

MID-COURSE EXECUTION ACCURACY

SGT 1233.7 SGR 430.9 SG3 134.7
 RRT -.0287 RRF .0277 RTF -.8268
 SGB 1306.8 R23 -.0006 R13 .8268
 SG1 1233.8 SG2 430.7 THA 179.35

ORBIT DETERMINATION ACCURACY

ST 694.3 SR 372.7 SS 674.2
 CRT -.8467 CRS -.9402 CST .9762
 LSA 1019.9 MSA 186.6 SSA 17.9
 EL1 767.3 EL2 179.4 ALF 154.03

LAUNCH DATE JUN 10 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 233.930

RL 151.88 LAL -0.00 LOL 258.45 VL 25.361 GAL .75 AZL 93.37 HCA 98.18 SMA 120.16 ECC .26426 INC 3.3744 V1 29.334
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.564 GAP -14.34 AZP 89.52 TAL 177.92 TAP 276.09 RCA 88.41 APO 151.92 V2 34.856
 RC 46.178 GL -20.37 GP -.49 ZAL 88.27 ZAP 3.70 ETS 7.19 ZAE 153.82 ETE 24.44 ZAC 92.48 ETC 13.83 CLP -3.67

PLANETOCENTRIC CONIC

C3 18.395 VHL 4.289 DLA -14.86 RAL 162.95 RAD 6567.7 VEL 11.823 PTH 2.09 VHP 8.903 DPA 5.44 RAP 174.69 ECC 1.3027
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 0 7 1714.00 -5.12 11.86 22.01 117.89 7 28 41 1114.0 -1.35 5.21
 90.00 15 2 51 5319.29 27.44 241.73 27.95 82.72 16 31 30 4719.3 26.15 233.30
 100.00 8 13 26 1477.44 -6.24 353.86 21.39 119.29 8 38 4 877.4 -2.29 347.30
 100.00 16 32 13 5031.09 28.71 220.33 27.75 81.28 17 56 4 4431.1 27.20 211.85
 110.00 9 3 46 1319.78 -9.13 340.13 19.63 123.08 9 25 46 719.8 -4.71 333.83
 110.00 17 58 23 4761.50 32.03 199.13 27.03 77.36 19 17 44 4161.5 29.95 190.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4979 TRA -.7069 TC3 .5574 BAU .1446 SGT 1275.0 SGR 424.9 SG3 149.6 ST 727.0 SR 366.7 SS 716.6
 RDE -.2724 RRA -.1084 RC3 .1868 FAU .03310 RRT -.0353 RRF .0344 RTF -.8374 CRT -.8583 CRS -.9467 CST .9768
 FDE -.6827 FRA .4468 FC3-1.5580 BSP 3919 SGB 1343.9 R23 -.0011 R13 .8374 LSA 1069.1 MSA 182.2 SSA 18.2
 BDE .5675 BRA .7152 BC3 .5879 FSP -392 SG1 1275.1 SG2 424.6 THA 179.24 EL1 795.9 EL2 171.9 ALF 155.36

LAUNCH DATE JUN 10 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 240.650

RL 151.88 LAL -0.00 LOL 258.45 VL 25.540 GAL .54 AZL 93.37 HCA 101.35 SMA 121.16 ECC .25368 INC 3.3674 V1 29.334
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.698 GAP -13.48 AZP 89.34 TAL 178.41 TAP 279.76 RCA 90.43 APO 151.90 V2 34.865
 RC 47.255 GL -21.34 GP -.53 ZAL 89.46 ZAP 5.63 ETS 4.88 ZAE 152.26 ETE 22.29 ZAC 91.29 ETC 13.76 CLP -5.60

PLANETOCENTRIC CONIC

C3 16.987 VHL 4.121 DLA -15.27 RAL 161.42 RAD 6567.7 VEL 11.763 PTH 2.08 VHP 8.416 DPA 4.91 RAP 175.81 ECC 1.2796
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 57 52 1680.56 -4.05 9.99 19.43 118.05 7 25 53 1080.6 -.27 3.35
 90.00 14 52 56 5315.72 27.41 241.48 25.20 82.59 16 21 32 4715.7 26.10 233.05
 100.00 8 10 53 1444.99 -5.16 352.06 18.82 119.49 8 34 58 845.0 -1.19 345.52
 100.00 16 22 37 5026.52 28.66 220.00 24.99 81.11 17 46 23 4426.5 27.13 211.53
 110.00 9 0 33 1289.38 -8.00 338.51 17.07 123.35 9 22 3 689.4 -3.56 332.24
 110.00 17 49 26 4754.90 31.93 198.65 24.27 77.08 19 8 41 4154.9 29.82 190.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5019 TRA -.6773 TC3 .6498 BAU .1541 SGT 1313.9 SGR 418.0 SG3 166.3 ST 756.8 SR 360.2 SS 759.6
 RDE -.2572 RRA -.0997 RC3 .1963 FAU .03568 RRT -.0411 RRF .0412 RTF -.8459 CRT -.8686 CRS -.9527 CST .9770
 FDE -.7382 FRA .4408 FC3-1.8187 BSP 4005 SGB 1378.8 R23 -.0025 R13 .8459 LSA 1116.9 MSA 178.5 SSA 18.5
 BDE .5640 BRA .6846 BC3 .6788 FSP -439 SG1 1314.1 SG2 417.6 THA 179.17 EL1 821.9 EL2 164.4 ALF 156.55

LAUNCH DATE JUN 10 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 247.369

RL 151.88 LAL -0.00 LOL 258.45 VL 25.704 GAL .34 AZL 93.36 HCA 104.53 SMA 122.10 ECC .24396 INC 3.3602 V1 29.334
 RP 108.66 LAP -3.25 LOP 361.01 VP 36.822 GAP -12.65 AZP 89.16 TAL 178.94 TAP 283.47 RCA 92.31 APO 151.89 V2 34.875
 RC 48.458 GL -22.30 GP -.57 ZAL 90.70 ZAP 7.63 ETS 3.71 ZAE 150.89 ETE 20.44 ZAC 90.16 ETC 13.69 CLP -7.61

PLANETOCENTRIC CONIC

C3 15.770 VHL 3.971 DLA -15.64 RAL 159.85 RAD 6567.6 VEL 11.711 PTH 2.06 VHP 7.949 DPA 4.39 RAP 176.87 ECC 1.2595
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 55 1 1650.27 -3.08 8.29 16.89 118.16 7 22 31 1050.3 .71 1.66
 90.00 14 43 14 5312.06 27.38 241.21 22.49 82.46 16 11 46 4712.1 26.05 232.80
 100.00 8 7 44 1415.61 -4.17 350.44 16.28 119.63 8 31 20 815.6 -.19 343.90
 100.00 16 13 11 5021.96 28.61 219.67 22.28 80.94 17 36 53 4422.0 27.06 211.21
 110.00 8 56 50 1261.84 -6.96 337.05 14.56 123.55 9 17 51 661.8 -2.51 330.80
 110.00 17 40 35 4748.49 31.83 198.17 21.55 76.82 18 59 44 4148.5 29.69 189.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5088 TRA -.6459 TC3 .7501 BAU .1639 SGT 1352.9 SGR 410.2 SG3 185.1 ST 789.7 SR 353.3 SS 806.7
 RDE -.2432 RRA -.0917 RC3 .2042 FAU .03858 RRT -.0504 RRF .0501 RTF -.8555 CRT -.8800 CRS -.9585 CST .9779
 FDE -.8021 FRA .4331 FC3-2.1178 BSP 4115 SGB 1413.7 R23 -.0027 R13 .8555 LSA 1169.8 MSA 174.0 SSA 18.7
 BDE .5640 BRA .6524 BC3 .7774 FSP -491 SG1 1353.1 SG2 409.7 THA 179.04 EL1 851.0 EL2 155.7 ALF 157.72

LAUNCH DATE JUN 10 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 254.083

RL 151.88 LAL -0.00 LOL 258.45 VL 25.854 GAL .16 AZL 93.35 HCA 107.71 SMA 122.98 ECC .23507 INC 3.3529 V1 29.334
 RP 108.63 LAP -3.19 LOP 361.9 VP 36.936 GAP -11.86 AZP 88.98 TAL 179.50 TAP 287.20 RCA 94.07 APO 151.88 V2 34.886
 RC 49.776 GL -23.21 GP -.62 ZAL 91.97 ZAP 9.71 ETS 3.00 ZAE 149.73 ETE 18.85 ZAC 89.11 ETC 13.64 CLP -9.69

PLANETOCENTRIC CONIC

C3 14.721 VHL 3.837 DLA -15.96 RAL 158.24 RAD 6567.6 VEL 11.666 PTH 2.05 VHP 7.502 DPA 3.90 RAP 177.85 ECC 1.2423
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 37 1623.20 -2.21 6.78 14.41 118.24 7 18 40 1023.2 1.58 .15
 90.00 14 33 50 5308.22 27.34 240.94 19.84 82.33 16 2 18 4708.2 26.00 232.53
 100.00 8 4 5 1389.35 -3.28 348.99 13.81 119.73 8 27 15 789.3 .70 342.46
 100.00 16 4 2 5017.31 28.56 219.33 19.63 80.77 17 27 40 4417.3 26.99 210.88
 110.00 8 52 39 1237.21 -6.03 335.74 12.11 123.71 9 13 16 637.2 -1.56 329.51
 110.00 17 31 58 4742.21 31.73 197.71 18.90 76.56 18 51 0 4142.2 29.56 189.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5088 TRA -.6134 TC3 .8512 BAU .1726 SGT 1382.5 SGR 401.5 SG3 206.0 ST 811.9 SR 345.9 SS 850.2
 RDE -.2301 RRA -.0843 RC3 .2102 FAU .04191 RRT -.0558 RRF .0568 RTF -.8626 CRT -.8892 CRS -.9637 CST .9780
 FDE -.8676 FRA .4215 FC3-2.4646 BSP 4318 SGB 1439.7 R23 -.0043 R13 .8626 LSA 1213.4 MSA 170.6 SSA 18.8
 BDE .5584 BRA .6191 BC3 .8767 FSP -563 SG1 1382.7 SG2 400.8 THA 178.99 EL1 870.1 EL2 147.6 ALF 158.61

LAUNCH DATE JUN 10 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 260.794

RL 151.88 LAL -0.00 LOL 258.45 VL 25.990 GAL -.02 AZL 93.35 HCA 110.89 SMA 123.79 ECC .22695 INC 3.3453 V1 29.334
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.042 GAP -11.09 AZP 88.81 TAL 180.07 TAP 290.96 RCA 95.69 APO 151.88 V2 34.897
 RC 51.201 GL -24.08 GP -.67 ZAL 93.26 ZAP 11.88 ETS 2.53 ZAE 148.78 ETE 17.46 ZAC 88.15 ETC 13.60 CLP -11.86

PLANETOCENTRIC CONIC

C3 13.819 VHL 3.717 DLA -16.23 RAL 156.63 RAD 6567.5 VEL 11.628 PTM 2.04 VHP 7.075 DPA 3.44 RAP 178.76 ECC 1.2274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 45 1599.30 -1.44 5.44 12.01 118.28 7 14 24 999.3 2.35 358.82
 90.00 14 24 50 5304.16 27.30 240.65 17.27 82.19 15 53 14 4704.2 25.94 232.24
 100.00 8 0 0 1366.15 -2.50 347.71 11.42 119.80 8 22 47 766.1 1.48 341.19
 100.00 15 55 16 5012.55 28.51 218.99 17.07 80.60 17 18 48 4412.5 26.91 210.55
 110.00 8 48 7 1215.42 -5.21 334.60 9.73 123.83 9 8 23 615.4 -.73 328.37
 110.00 17 23 38 4736.05 31.63 197.25 16.33 76.31 18 42 34 4136.0 29.43 188.74

DIFFERENTIAL CORRECTIONS

TDE .5071 TRA -.6238 TC3 .9578 BAU .1813
 RDE -.2180 RRA -.0768 RC3 .2141 FAU .04545
 FDE -.9453 FRA .4406 FC3-2.8477 BSP 4910
 BDE .5519 BRA .6285 BC3 .9815 FSP -691

MID-COURSE EXECUTION ACCURACY

SGT 1456.2 SGR 391.7 SG3 230.3
 RRT -.0453 RRF .0625 RTF -.8642
 SGB 1508.0 R23 -.0204 R13 .8643
 SG1 1456.4 SG2 391.2 THA 179.25

ORBIT DETERMINATION ACCURACY

ST 837.6 SR 338.0 SS 900.8
 CRT -.8878 CRS -.9663 CST .9753
 LSA 1263.0 MSA 177.7 SSA 18.7
 EL1 891.3 EL2 146.2 ALF 159.72

LAUNCH DATE JUN 10 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 267.490

RL 151.88 LAL -0.00 LOL 258.45 VL 26.114 GAL -.19 AZL 93.34 HCA 114.07 SMA 124.54 ECC .21958 INC 3.3374 V1 29.334
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.140 GAP -10.35 AZP 88.64 TAL 180.67 TAP 294.74 RCA 97.19 APO 151.88 V2 34.908
 RC 52.722 GL -24.89 GP -.73 ZAL 94.56 ZAP 14.15 ETS 2.19 ZAE 148.08 ETE 16.25 ZAC 87.28 ETC 13.57 CLP -14.13

PLANETOCENTRIC CONIC

C3 13.043 VHL 3.612 DLA -16.45 RAL 155.03 RAD 6567.5 VEL 11.594 PTH 2.03 VHP 6.667 DPA 3.01 RAP 179.56 ECC 1.2147
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 27 1578.67 -.77 4.29 9.69 118.31 7 9 45 978.7 3.02 357.66
 90.00 14 16 20 5299.69 27.26 240.33 14.80 82.03 15 44 40 4699.7 25.88 231.93
 100.00 7 55 31 1346.09 -1.82 346.61 9.11 119.84 8 17 57 746.1 2.16 340.09
 100.00 15 46 56 5007.50 28.45 218.63 14.60 80.42 17 10 24 4407.5 26.83 210.20
 110.00 8 43 16 1196.52 -4.49 333.60 7.44 123.92 9 3 13 596.5 -.01 327.39
 110.00 17 15 41 4729.84 31.53 196.80 13.85 76.06 18 34 31 4129.8 29.29 188.31

DIFFERENTIAL CORRECTIONS

TDE .5226 TRA -.5422 TC3 1.0634 BAU .1892
 RDE -.2070 RRA -.0712 RC3 .2152 FAU .05012
 FDE -1.0464 FRA .3806 FC3-3.3264 BSP 4550
 BDE .5621 BRA .5469 BC3 1.0850 FSP -721

MID-COURSE EXECUTION ACCURACY

SGT 1442.8 SGR 382.0 SG3 258.1
 RRT -.0859 RRF .0855 RTF -.8785
 SGB 1492.5 R23 -.0045 R13 .8785
 SG1 1443.2 SG2 380.5 THA 178.60

ORBIT DETERMINATION ACCURACY

ST 871.9 SR 330.4 SS 963.3
 CRT -.9119 CRS -.9742 CST .9798
 LSA 1330.6 MSA 162.3 SSA 18.8
 EL1 923.6 EL2 128.0 ALF 160.55

LAUNCH DATE JUN 10 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 274.178

RL 151.88 LAL -0.00 LOL 258.45 VL 26.227 GAL -.34 AZL 93.33 HCA 117.26 SMA 125.23 ECC .21290 INC 3.3290 V1 29.334
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.230 GAP -9.64 AZP 88.47 TAL 181.26 TAP 298.52 RCA 98.57 APO 151.89 V2 34.920
 RC 54.330 GL -25.65 GP -.80 ZAL 95.84 ZAP 16.54 ETS 1.95 ZAE 147.62 ETE 15.18 ZAC 86.53 ETC 13.55 CLP -16.52

PLANETOCENTRIC CONIC

C3 12.378 VHL 3.518 DLA -16.63 RAL 153.45 RAD 6567.5 VEL 11.566 PTH 2.02 VHP 6.278 DPA 2.62 RAP 180.26 ECC 1.2037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 51 1561.02 -.20 3.31 7.48 118.32 7 4 52 961.0 3.59 356.67
 90.00 14 8 23 5294.92 27.22 239.98 12.45 81.87 15 36 38 4694.9 25.81 231.60
 100.00 7 50 47 1328.91 -1.24 345.67 6.90 119.87 8 12 56 728.9 2.75 339.15
 100.00 15 39 8 5002.26 28.39 218.25 12.24 80.22 17 2 31 4402.3 26.75 209.83
 110.00 8 38 14 1180.26 -3.87 332.75 5.26 123.99 8 57 54 580.3 .61 326.54
 110.00 17 8 11 4723.67 31.43 196.35 11.50 75.81 18 26 54 4123.7 29.16 187.88

DIFFERENTIAL CORRECTIONS

TDE .5217 TRA -.5145 TC3 1.1583 BAU .1949
 RDE -.1967 RRA -.0652 RC3 .2138 FAU .05500
 FDE -1.1457 FRA .3656 FC3-3.8464 BSP 4605
 BDE .5576 BRA .5186 BC3 1.1779 FSP -812

MID-COURSE EXECUTION ACCURACY

SGT 1466.6 SGR 370.9 SG3 289.1
 RRT -.0967 RRF .0980 RTF -.8834
 SGB 1512.7 R23 -.0068 R13 .8835
 SG1 1467.0 SG2 369.0 THA 178.50

ORBIT DETERMINATION ACCURACY

ST 889.6 SR 322.1 SS 1018.0
 CRT -.9191 CRS -.9778 CST .9800
 LSA 1380.3 MSA 160.8 SSA 18.7
 EL1 938.4 EL2 120.3 ALF 161.27

LAUNCH DATE JUN 10 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 280.852

RL 151.88 LAL -0.00 LOL 258.45 VL 26.328 GAL -.48 AZL 93.32 HCA 120.44 SMA 125.86 ECC .20688 INC 3.3201 V1 29.334
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.313 GAP -8.95 AZP 88.32 TAL 181.86 TAP 302.30 RCA 99.82 APO 151.90 V2 34.932
 RC 56.016 GL -26.34 GP -.88 ZAL 97.09 ZAP 19.06 ETS 1.76 ZAE 147.42 ETE 14.23 ZAC 85.90 ETC 13.54 CLP -19.04

PLANETOCENTRIC CONIC

C3 11.808 VHL 3.436 DLA -16.75 RAL 151.93 RAD 6567.5 VEL 11.541 PTH 2.01 VHP 5.908 DPA 2.28 RAP 180.83 ECC 1.1943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 2 1546.26 .28 2.49 5.39 118.32 6 59 48 946.3 4.06 355.85
 90.00 14 1 4 5289.76 27.17 239.62 10.22 81.69 15 29 14 4689.8 25.74 231.24
 100.00 7 45 51 1314.50 -.75 344.88 4.82 119.88 8 7 46 714.5 3.23 338.35
 100.00 15 31 56 4996.75 28.33 217.85 10.01 80.03 16 55 12 4396.8 26.66 209.45
 110.00 8 33 5 1166.55 -3.35 332.03 3.19 124.04 8 52 32 566.5 1.14 325.83
 110.00 17 1 11 4717.47 31.32 195.89 9.27 75.56 18 19 49 4117.5 29.02 187.45

DIFFERENTIAL CORRECTIONS

TDE .5258 TRA -.4776 TC3 1.2588 BAU .2014
 RDE -.1873 RRA -.0600 RC3 .2092 FAU .06074
 FDE -1.2675 FRA .3336 FC3-4.4534 BSP 4804
 BDE .5581 BRA .4814 BC3 1.2761 FSP -935

MID-COURSE EXECUTION ACCURACY

SGT 1486.2 SGR 359.3 SG3 325.3
 RRT -.1170 RRF .1177 RTF -.8908
 SGB 1529.0 R23 -.0072 R13 .8909
 SG1 1486.8 SG2 356.7 THA 178.28

ORBIT DETERMINATION ACCURACY

ST 911.9 SR 313.8 SS 1083.5
 CRT -.9288 CRS -.9818 CST .9810
 LSA 1441.8 MSA 157.4 SSA 18.4
 EL1 958.0 EL2 110.7 ALF 162.02

LAUNCH DATE JUN 10 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 287.513

RL 151.88 LAL -.00 LOL 258.45 VL 26.420 GAL -.61 AZL 93.31 MCA 123.63 SMA 126.44 ECC .20147 INC 3.3107 V1 29.334
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.389 GAP -8.28 AZP 88.16 TAL 182.44 TAP 306.07 RCA 100.97 APO 151.92 V2 34.945
 RC 57.772 GL -26.97 GP -.98 ZAL 98.29 ZAP 21.73 ETS 1.63 ZAE 147.50 ETE 13.40 ZAC 85.42 ETC 13.53 CLP -21.71

PLANETOCENTRIC CONIC

C3 11.320 VHL 3.364 DLA -16.84 RAL 150.48 RAD 6567.4 VEL 11.520 PTH 2.01 VHP 5.557 DPA 1.98 RAP 181.27 ECC 1.1863
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 7 1534.10 .67 1.81 3.43 118.31 6 54 41 934.1 4.45 355.17
 90.00 13 54 24 5284.31 27.11 239.23 8.14 81.50 15 22 29 4684.3 25.66 230.86
 100.00 7 40 52 1302.59 -.35 344.22 2.87 119.89 8 2 35 702.6 3.63 337.70
 100.00 15 25 21 4991.06 28.26 217.44 7.93 79.82 16 48 32 4391.1 26.56 209.05
 110.00 8 27 56 1155.13 -2.92 331.43 1.26 124.07 8 47 11 555.1 1.57 325.23
 110.00 16 54 46 4711.29 31.22 195.44 7.18 75.31 18 13 17 4111.3 28.89 187.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5203 TRA -.4496 TC3 1.3281 BAU .2033 SGT 1491.3 SGR 346.8 SG3 364.9 ST 918.4 SR 305.2 SS 1144.8
 RDE -.1784 RRA -.0551 RC3 .2018 FAU .06699 RRT -.1342 RRF .1365 RTF -.8933 CRT -.9347 CRS -.9847 CST .9809
 FDE -1.3955 FRA .3082 FC3-5.1234 BSP 4764 SGB 1531.1 R23 -.0100 R13 .8934 LSA 1490.7 MSA 156.9 SSA 18.0
 BDE .5500 BRA .4530 BC3 1.3434 FSP -1051 SG1 1492.0 SG2 343.5 THA 178.11 EL1 962.2 EL2 103.5 ALF 162.54

LAUNCH DATE JUN 10 1967

FLIGHT TIME 112.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 294.158

RL 151.88 LAL -.00 LOL 258.45 VL 26.502 GAL -.73 AZL 93.30 MCA 126.82 SMA 126.97 ECC .19663 INC 3.3004 V1 29.334
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.459 GAP -7.64 AZP 88.02 TAL 183.00 TAP 309.82 RCA 102.00 APO 151.93 V2 34.957
 RC 59.590 GL -27.52 GP -1.08 ZAL 99.43 ZAP 24.57 ETS 1.53 ZAE 147.87 ETE 12.65 ZAC 85.10 ETC 13.54 CLP -24.55

PLANETOCENTRIC CONIC

C3 10.901 VHL 3.302 DLA -16.90 RAL 149.12 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 5.224 DPA 1.73 RAP 181.55 ECC 1.1794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 12 1524.33 .98 1.26 1.61 118.30 6 49 36 924.3 4.76 354.62
 90.00 13 48 26 5278.58 27.05 238.82 6.21 81.30 15 16 24 4678.6 25.57 230.46
 100.00 7 35 54 1292.97 -.02 343.70 1.05 119.89 7 57 27 693.0 3.96 337.17
 100.00 15 19 25 4985.17 28.19 217.02 6.00 79.61 16 42 30 4385.2 26.46 208.64
 110.00 8 22 53 1145.80 -2.56 330.95 359.46 124.10 8 41 58 545.8 1.93 324.74
 110.00 16 48 56 4705.10 31.11 194.99 5.24 75.06 18 7 21 4105.1 28.75 186.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5139 TRA -.4195 TC3 1.3891 BAU .2044 SGT 1488.5 SGR 333.9 SG3 410.3 ST 920.9 SR 296.6 SS 1211.5
 RDE -.1701 RRA -.0506 RC3 .1910 FAU .07421 RRT -.1563 RRF .1602 RTF -.8959 CRT -.9407 CRS -.9874 CST .9809
 FDE -1.5427 FRA .2726 FC3-5.8933 BSP 4785 SGB 1525.5 R23 -.0131 R13 .8960 LSA 1542.4 MSA 156.3 SSA 17.4
 BDE .5413 BRA .4226 BC3 1.4022 FSP -1196 SG1 1489.5 SG2 329.6 THA 177.89 EL1 962.7 EL2 96.3 ALF 162.97

LAUNCH DATE JUN 10 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 300.787

RL 151.88 LAL -.00 LOL 258.45 VL 26.575 GAL -.84 AZL 93.29 MCA 130.02 SMA 127.44 ECC .19233 INC 3.2893 V1 29.334
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.523 GAP -7.02 AZP 87.88 TAL 183.53 TAP 313.54 RCA 102.93 APO 151.95 V2 34.970
 RC 61.464 GL -28.01 GP -1.21 ZAL 100.49 ZAP 27.59 ETS 1.46 ZAE 148.53 ETE 11.99 ZAC 84.97 ETC 13.54 CLP -27.57

PLANETOCENTRIC CONIC

C3 10.542 VHL 3.247 DLA -16.92 RAL 147.85 RAD 6567.4 VEL 11.486 PTH 2.00 VHP 4.911 DPA 1.55 RAP 181.66 ECC 1.1735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 19 22 1516.65 1.23 .83 359.94 118.29 6 44 39 916.7 5.00 354.19
 90.00 13 43 9 5272.62 26.99 238.39 4.44 81.10 15 11 2 4672.6 25.48 230.05
 100.00 7 31 3 1285.36 .24 343.28 359.39 119.89 7 52 28 685.4 4.21 336.75
 100.00 15 14 9 4979.15 28.11 216.59 4.22 79.39 16 37 9 4379.1 26.36 208.22
 110.00 8 17 59 1138.31 -2.28 330.56 357.82 124.12 8 36 58 538.3 2.22 324.35
 110.00 16 43 43 4698.96 31.00 194.55 3.46 74.82 18 2 2 4099.0 28.61 186.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5048 TRA -.3903 TC3 1.4347 BAU .2037 SGT 1476.5 SGR 320.7 SG3 462.3 ST 917.1 SR 288.0 SS 1282.7
 RDE -.1625 RRA -.0466 RC3 .1767 FAU .08248 RRT -.1830 RRF .1887 RTF -.8978 CRT -.9459 CRS -.9897 CST .9809
 FDE -1.7099 FRA .2316 FC3-6.7731 BSP 4794 SGB 1510.9 R23 -.0169 R13 .8980 LSA 1595.2 MSA 155.8 SSA 16.8
 BDE .5303 BRA .3931 BC3 1.4456 FSP -1365 SG1 1477.7 SG2 315.0 THA 177.62 EL1 957.0 EL2 89.5 ALF 163.31

LAUNCH DATE JUN 10 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 307.398

RL 151.88 LAL -.00 LOL 258.45 VL 26.640 GAL -.93 AZL 93.28 MCA 133.21 SMA 127.86 ECC .18852 INC 3.2771 V1 29.334
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.581 GAP -6.42 AZP 87.75 TAL 184.02 TAP 317.24 RCA 103.76 APO 151.97 V2 34.983
 RC 63.388 GL -28.42 GP -1.35 ZAL 101.46 ZAP 30.82 ETS 1.42 ZAE 149.51 ETE 11.40 ZAC 85.03 ETC 13.56 CLP -30.80

PLANETOCENTRIC CONIC

C3 10.234 VHL 3.199 DLA -16.92 RAL 146.70 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 4.617 DPA 1.43 RAP 181.57 ECC 1.1684
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 44 1510.76 1.42 .51 358.43 118.28 6 39 55 910.8 5.19 353.86
 90.00 13 38 35 5266.52 26.93 237.96 2.83 80.89 15 6 21 4666.5 25.39 229.62
 100.00 7 26 25 1279.46 .44 342.96 357.88 119.89 7 47 45 679.5 4.41 336.42
 100.00 15 9 35 4973.06 28.03 216.15 2.61 79.18 16 32 28 4373.1 26.25 207.80
 110.00 8 13 22 1132.40 -2.05 330.25 356.32 124.13 8 32 14 532.4 2.44 324.04
 110.00 16 39 8 4692.88 30.89 194.11 1.85 74.58 17 57 21 4092.9 28.47 185.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4890 TRA -.3669 TC3 1.4447 BAU .1989 SGT 1446.8 SGR 307.1 SG3 519.5 ST 900.1 SR 279.4 SS 1354.2
 RDE -.1554 RRA -.0429 RC3 .1591 FAU .09152 RRT -.2128 RRF .2221 RTF -.8962 CRT -.9492 CRS -.9915 CST .9802
 FDE -1.8927 FRA .1939 FC3-7.7419 BSP 4688 SGB 1479.0 R23 -.0234 R13 .8965 LSA 1642.4 MSA 156.7 SSA 16.1
 BDE .5131 BRA .3694 BC3 1.4535 FSP -1545 SG1 1448.3 SG2 299.7 THA 177.30 EL1 938.7 EL2 84.3 ALF 163.44

LAUNCH DATE JUN 10 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 313.991

RL 151.88 LAL -1.00 LOL 258.45 VL 26.697 GAL -1.01 AZL 93.26 HCA 136.41 SMA 128.24 ECC .18517 INC 3.2636 V1 29.334
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.634 GAP -5.83 AZP 87.63 TAL 184.47 TAP 320.89 RCA 104.49 APO 151.99 V2 34.996
 RC 65.357 GL -28.77 GP -1.53 ZAL 102.34 ZAP 34.29 ETS 1.41 ZAE 150.82 ETE 10.87 ZAC 85.33 ETC 13.57 CLP -34.26

PLANETOCENTRIC CONIC

C3 9.967 VHL 3.157 DLA -16.89 RAL 145.66 RAD 6567.4 VEL 11.461 PTH 1.99 VHP 4.342 DPA 1.38 RAP 181.26 ECC 1.1640
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 23 1506.42 1.56 .26 357.07 118.28 6 35 29 906.4 5.33 353.61
 90.00 13 34 42 5260.32 26.86 237.51 1.39 80.68 15 2 23 4660.3 25.30 229.20
 100.00 7 22 5 1275.05 .59 342.71 356.53 119.89 7 43 20 675.0 4.56 336.18
 100.00 15 5 41 4966.93 27.95 215.71 1.17 78.96 16 28 28 4366.9 26.15 207.38
 110.00 8 9 4 1127.85 -1.88 330.01 354.99 124.14 8 27 52 527.9 2.62 323.81
 110.00 16 35 11 4686.89 30.78 193.67 .40 74.35 17 53 18 4086.9 28.33 185.34

DIFFERENTIAL CORRECTIONS

TDE .4684 TRA -.3451 TC3 1.4258 BAU .1909
 RDE -.1489 RRA -.0395 RC3 .1376 FAU .10164
 FDE -2.0965 FRA .1504 FC3-8.8278 BSP 4527
 BDE .4915 BRA .3473 BC3 1.4325 FSP -1749

MID-COURSE EXECUTION ACCURACY

SGT 1400.5 SGR 293.6 SG3 583.6
 RRT -.2492 RRF .2635 RTF -.8921
 SGB 1430.9 R23 -.0327 R13 .8925
 SG1 1402.5 SG2 283.9 THA 176.88

ORBIT DETERMINATION ACCURACY

ST 872.8 SR 271.2 SS 1429.3
 CRT -.9515 CRS -.9930 CST .9791
 LSA 1689.1 MSA 157.8 SSA 15.3
 EL1 910.5 EL2 79.9 ALF 163.40

LAUNCH DATE JUN 10 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 320.565

RL 151.88 LAL -1.00 LOL 258.45 VL 26.747 GAL -1.08 AZL 93.25 HCA 139.61 SMA 128.57 ECC .18224 INC 3.2483 V1 29.334
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.682 GAP -5.27 AZP 87.52 TAL 184.87 TAP 324.49 RCA 105.14 APO 152.00 V2 35.009
 RC 67.365 GL -29.05 GP -1.73 ZAL 103.12 ZAP 38.00 ETS 1.41 ZAE 152.47 ETE 10.38 ZAC 85.87 ETC 13.59 CLP -37.96

PLANETOCENTRIC CONIC

C3 9.736 VHL 3.120 DLA -16.85 RAL 144.76 RAD 6567.4 VEL 11.451 PTH 1.99 VHP 4.088 DPA 1.40 RAP 180.71 ECC 1.1602
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 21 1503.38 1.66 .09 355.88 118.27 6 31 25 903.4 5.43 353.44
 90.00 13 31 32 5254.04 26.79 237.07 .12 80.47 14 59 6 4654.0 25.20 228.76
 100.00 7 18 6 1271.88 .70 342.54 355.35 119.89 7 39 18 671.9 4.67 336.00
 100.00 15 2 28 4960.76 27.87 215.27 359.90 78.74 16 25 9 4360.8 26.04 206.95
 110.00 8 5 10 1124.45 -1.75 329.83 353.82 124.14 8 23 54 524.5 2.75 323.63
 110.00 16 31 54 4680.96 30.67 193.25 359.12 74.12 17 49 55 4081.0 28.19 184.93

DIFFERENTIAL CORRECTIONS

TDE .4435 TRA -.3241 TC3 1.3796 BAU .1801
 RDE -.1431 RRA -.0365 RC3 .1115 FAU .11300
 FDE -2.3247 FRA .0993 FC-10.0488 BSP 4346
 BDE .4660 BRA .3262 BC3 1.3841 FSP -1985

MID-COURSE EXECUTION ACCURACY

SGT 1338.4 SGR 280.7 SG3 655.6
 RRT -.2944 RRF .3155 RTF -.8856
 SGB 1367.5 R23 -.0460 R13 .8862
 SG1 1341.0 SG2 267.7 THA 176.32

ORBIT DETERMINATION ACCURACY

ST 835.9 SR 263.6 SS 1509.4
 CRT -.9531 CRS -.9943 CST .9776
 LSA 1738.2 MSA 158.7 SSA 14.5
 EL1 873.2 EL2 76.3 ALF 163.14

LAUNCH DATE JUN 10 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 327.119

RL 151.88 LAL -1.00 LOL 258.45 VL 26.790 GAL -1.14 AZL 93.23 HCA 142.82 SMA 128.86 ECC .17970 INC 3.2309 V1 29.334
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.725 GAP -4.72 AZP 87.42 TAL 185.22 TAP 328.04 RCA 105.71 APO 152.02 V2 35.023
 RC 69.409 GL -29.27 GP -1.97 ZAL 103.78 ZAP 41.98 ETS 1.43 ZAE 154.47 ETE 9.91 ZAC 86.68 ETC 13.62 CLP -41.94

PLANETOCENTRIC CONIC

C3 9.532 VHL 3.087 DLA -16.79 RAL 143.99 RAD 6567.3 VEL 11.442 PTH 1.98 VHP 3.855 DPA 1.50 RAP 179.91 ECC 1.1569
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 2 43 1501.43 1.72 359.99 354.85 118.27 6 27 45 901.4 5.49 353.33
 90.00 13 29 3 5247.67 26.72 236.62 359.02 80.25 14 56 30 4647.7 25.10 228.32
 100.00 7 14 31 1269.78 .77 342.43 354.32 119.88 7 35 41 669.8 4.74 335.89
 100.00 14 59 56 4954.56 27.79 214.83 358.80 78.52 16 22 31 4354.6 25.93 206.52
 110.00 8 1 41 1122.02 -1.65 329.71 352.81 124.15 8 20 23 522.0 2.84 323.50
 110.00 16 29 16 4675.08 30.56 192.82 358.02 73.89 17 47 11 4075.1 28.05 184.53

DIFFERENTIAL CORRECTIONS

TDE .4109 TRA -.3076 TC3 1.2912 BAU .1649
 RDE -.1380 RRA -.0337 RC3 .0804 FAU .12537
 FDE -2.5703 FRA .0489 FC-11.3863 BSP 4067
 BDE .4334 BRA .3094 BC3 1.2937 FSP -2243

MID-COURSE EXECUTION ACCURACY

SGT 1254.0 SGR 268.9 SG3 734.1
 RRT -.3462 RRF .3791 RTF -.8728
 SGB 1282.5 R23 -.0685 R13 .8739
 SG1 1257.6 SG2 251.6 THA 175.58

ORBIT DETERMINATION ACCURACY

ST 783.6 SR 256.8 SS 1590.2
 CRT -.9527 CRS -.9954 CST .9749
 LSA 1784.0 MSA 160.3 SSA 13.6
 EL1 821.2 EL2 74.5 ALF 162.51

LAUNCH DATE JUN 10 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 333.654

RL 151.88 LAL -1.00 LOL 258.45 VL 26.828 GAL -1.19 AZL 93.21 HCA 146.02 SMA 129.11 ECC .17752 INC 3.2106 V1 29.334
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.763 GAP -4.19 AZP 87.34 TAL 185.51 TAP 331.53 RCA 106.19 APO 152.03 V2 35.036
 RC 71.485 GL -29.42 GP -2.26 ZAL 104.34 ZAP 46.24 ETS 1.47 ZAE 156.85 ETE 9.43 ZAC 87.77 ETC 13.64 CLP -46.20

PLANETOCENTRIC CONIC

C3 9.351 VHL 3.058 DLA -16.72 RAL 143.37 RAD 6567.3 VEL 11.434 PTH 1.98 VHP 3.643 DPA 1.66 RAP 178.83 ECC 1.1539
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 30 1500.46 1.75 359.93 353.99 118.27 6 24 31 900.5 5.52 353.28
 90.00 13 27 17 5241.14 26.64 236.15 358.09 80.03 14 54 38 4641.1 24.99 227.87
 100.00 7 11 22 1268.60 .81 342.36 353.46 119.88 7 32 30 668.6 4.78 335.82
 100.00 14 58 6 4948.23 27.70 214.38 357.86 78.30 16 20 35 4348.2 25.81 206.09
 110.00 7 58 39 1120.45 -1.59 329.62 351.96 124.15 8 17 20 520.4 2.90 323.42
 110.00 16 27 18 4669.15 30.45 192.40 357.08 73.66 17 45 7 4069.2 27.91 184.13

DIFFERENTIAL CORRECTIONS

TDE .3706 TRA -.2950 TC3 1.1584 BAU .1449
 RDE -.1338 RRA -.0311 RC3 .0432 FAU .13868
 FDE -2.8323 FRA .0021 FC-12.8386 BSP 3674
 BDE .3940 BRA .2966 BC3 1.1592 FSP -2513

MID-COURSE EXECUTION ACCURACY

SGT 1147.7 SGR 259.4 SG3 818.8
 RRT -.4040 RRF .4568 RTF -.8505
 SGB 1176.6 R23 -.1071 R13 .8527
 SG1 1152.6 SG2 236.2 THA 174.55

ORBIT DETERMINATION ACCURACY

ST 716.0 SR 251.4 SS 1671.9
 CRT -.9496 CRS -.9962 CST .9703
 LSA 1828.9 MSA 162.1 SSA 12.6
 EL1 755.2 EL2 74.7 ALF 161.37

LAUNCH DATE JUN 10 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

RL 151.88 LAL -.00 LOL 258.45 VL 26.859 GAL -1.22 AZL 93.19 HCA 149.23 SMA 129.32 ECC .17567 INC 3.1867 V1 29.334
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.798 GAP -3.67 AZP 87.26 TAL 185.74 TAP 334.97 RCA 106.61 APO 152.04 V2 35.049
 RC 73.590 GL -29.50 GP -2.61 ZAL 104.78 ZAP 50.80 ETS 1.51 ZAE 159.59 ETE 8.86 ZAC 89.16 ETC 13.66 CLP -50.75

PLANETOCENTRIC CONIC

C3 9.187 VHL 3.031 DLA -16.62 RAL 142.89 RAD 6567.3 VEL 11.427 PTH 1.98 VHP 3.454 DPA 1.89 RAP 177.46 ECC 1.1512
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 56 42 1500.45 1.75 359.93 353.28 118.27 6 21 42 900.4 5.52 353.27
 90.00 13 26 15 5234.27 26.56 235.67 357.32 79.80 14 53 30 4634.3 24.88 227.40
 100.00 7 8 38 1268.34 .82 342.35 352.76 119.88 7 29 46 668.3 4.79 335.81
 100.00 14 57 0 4941.61 27.61 213.91 357.09 78.07 16 19 22 4341.6 25.69 205.64
 110.00 7 56 5 1119.68 -1.56 329.58 351.27 124.15 8 14 45 519.7 2.93 323.38
 110.00 16 26 3 4663.03 30.33 191.96 356.30 73.43 17 43 46 4063.0 27.76 183.71

DIFFERENTIAL CORRECTIONS

TDE .3233 TRA -.2844 TC3 .9825 BAU .1207
 RDE -.1309 RRA -.0288 RC3 -.0018 FAU .15282
 FDE-3.1080 FRA -.0467 FC-14.4011 BSP 3228
 BDE .3488 BRA .2858 BC3 .9825 FSP -2813

MID-COURSE EXECUTION ACCURACY

SGT 1021.3 SGR 253.8 SG3 .909.2
 RRT -.4626 RRF .5496 RTF -.8131
 SGB 1052.3 R23 -.1742 R13 .8180
 SG1 1028.3 SG2 223.5 THA 173.11

ORBIT DETERMINATION ACCURACY

ST 634.2 SR 248.0 SS 1754.9
 CRT -.9432 CRS -.9970 CST .9628
 LSA 1875.2 MSA 163.4 SSA 11.6
 EL1 676.5 EL2 77.2 ALF 159.48

LAUNCH DATE JUN 10 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

RL 151.88 LAL -.00 LOL 258.45 VL 26.885 GAL -1.24 AZL 93.16 HCA 152.44 SMA 129.50 ECC .17413 INC 3.1577 V1 29.334
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.829 GAP -3.17 AZP 87.20 TAL 185.90 TAP 338.34 RCA 106.95 APO 152.05 V2 35.062
 RC 75.721 GL -29.51 GP -3.04 ZAL 105.11 ZAP 55.65 ETS 1.55 ZAE 162.70 ETE 8.06 ZAC 90.84 ETC 13.68 CLP -55.59

PLANETOCENTRIC CONIC

C3 9.034 VHL 3.006 DLA -16.51 RAL 142.56 RAD 6567.3 VEL 11.420 PTH 1.98 VHP 3.288 DPA 2.17 RAP 175.80 ECC 1.1487
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 54 17 1501.45 1.72 359.99 352.74 118.27 6 19 18 901.5 5.49 353.33
 90.00 13 26 3 5226.77 26.47 235.14 356.71 79.55 14 53 10 4626.8 24.76 226.89
 100.00 7 6 19 1269.03 .79 342.38 352.22 119.88 7 27 28 669.0 4.76 335.85
 100.00 14 56 42 4934.43 27.51 213.40 356.47 77.82 16 18 57 4334.4 25.55 205.14
 110.00 7 53 58 1119.76 -1.57 329.59 350.75 124.15 8 12 37 519.8 2.92 323.38
 110.00 16 25 33 4656.46 30.20 191.49 355.68 73.18 17 43 9 4056.5 27.60 183.27

DIFFERENTIAL CORRECTIONS

TDE .2655 TRA -.2788 TC3 .7455 BAU .0903
 RDE -.1292 RRA -.0266 RC3 -.0557 FAU .16679
 FDE-3.3740 FRA -.0809 FC-15.9829 BSP 2648
 BDE .2953 BRA .2800 BC3 .7476 FSP -3107

MID-COURSE EXECUTION ACCURACY

SGT 874.2 SGR 254.2 SG3 999.0
 RRT -.4969 RRF .6515 RTF -.7392
 SGB 910.4 R23 -.2991 R13 .7511
 SG1 883.8 SG2 218.2 THA 171.24

ORBIT DETERMINATION ACCURACY

ST 532.9 SR 246.9 SS 1829.0
 CRT -.9278 CRS -.9976 CST .9475
 LSA 1913.8 MSA 165.3 SSA 10.6
 EL1 581.2 EL2 84.4 ALF 156.20

LAUNCH DATE JUN 10 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

RL 151.88 LAL -.00 LOL 258.45 VL 26.906 GAL -1.25 AZL 93.12 HCA 155.65 SMA 129.64 ECC .17287 INC 3.1218 V1 29.334
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.856 GAP -2.68 AZP 87.16 TAL 185.99 TAP 341.65 RCA 107.23 APO 152.05 V2 35.075
 RC 77.874 GL -29.43 GP -3.56 ZAL 105.33 ZAP 60.77 ETS 1.58 ZAE 166.16 ETE 6.68 ZAC 92.81 ETC 13.68 CLP -60.71

PLANETOCENTRIC CONIC

C3 8.887 VHL 2.981 DLA -16.36 RAL 142.39 RAD 6567.3 VEL 11.414 PTH 1.98 VHP 3.147 DPA 2.45 RAP 173.85 ECC 1.1463
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 10 1503.80 1.65 .12 352.35 118.27 6 17 13 903.8 5.41 353.46
 90.00 13 26 48 5218.10 26.36 234.53 356.24 79.26 14 53 46 4618.1 24.61 226.29
 100.00 7 4 19 1270.99 .73 342.49 351.84 119.88 7 25 30 671.0 4.70 335.96
 100.00 14 57 20 4926.15 27.39 212.81 356.01 77.53 16 19 26 4326.2 25.40 204.58
 110.00 7 52 13 1120.93 -1.61 329.65 350.37 124.15 8 10 54 520.9 2.88 323.44
 110.00 16 25 55 4648.98 30.06 190.96 355.20 72.89 17 43 24 4049.0 27.42 182.76

DIFFERENTIAL CORRECTIONS

TDE .2012 TRA -.2749 TC3 .4636 BAU .0570
 RDE -.1298 RRA -.0245 RC3 -.1232 FAU .18112
 FDE-3.6399 FRA -.1119 FC-17.6439 BSP 2025
 BDE .2394 BRA .2759 BC3 .4797 FSP -3421

MID-COURSE EXECUTION ACCURACY

SGT 727.4 SGR 264.7 SG3 1091.7
 RRT -.4661 RRF .7563 RTF -.5973
 SGB 774.0 R23 -.5041 R13 .6280
 SG1 738.9 SG2 230.5 THA 169.32

ORBIT DETERMINATION ACCURACY

ST 420.6 SR 249.9 SS 1904.1
 CRT -.8948 CRS -.9981 CST .9156
 LSA 1958.9 MSA 166.5 SSA 9.6
 EL1 479.3 EL2 97.9 ALF 150.66

LAUNCH DATE JUN 10 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

RL 151.88 LAL -.00 LOL 258.45 VL 26.922 GAL -1.25 AZL 93.08 HCA 158.87 SMA 129.75 ECC .17186 INC 3.0756 V1 29.334
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.879 GAP -2.20 AZP 87.13 TAL 186.02 TAP 344.89 RCA 107.45 APO 152.05 V2 35.088
 RC 80.046 GL -29.25 GP -4.24 ZAL 105.44 ZAP 66.13 ETS 1.59 ZAE 169.91 ETE 3.73 ZAC 95.05 ETC 13.65 CLP -66.07

PLANETOCENTRIC CONIC

C3 8.738 VHL 2.956 DLA -16.16 RAL 142.38 RAD 6567.3 VEL 11.407 PTH 1.97 VHP 3.031 DPA 2.69 RAP 171.62 ECC 1.1438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 50 11 1508.09 1.51 .36 352.11 118.28 6 15 19 908.1 5.28 353.70
 90.00 13 28 43 5207.36 26.22 233.77 355.92 78.91 14 55 30 4607.4 24.43 225.56
 100.00 7 2 30 1274.74 .60 342.70 351.60 119.89 7 23 45 674.7 4.57 336.16
 100.00 14 59 5 4915.95 27.24 212.09 355.68 77.18 16 21 1 4315.9 25.20 203.89
 110.00 7 50 45 1123.61 -1.71 329.79 350.16 124.15 8 9 28 523.6 2.78 323.58
 110.00 16 27 19 4639.84 29.87 190.31 354.87 72.55 17 44 39 4039.8 27.19 182.15

DIFFERENTIAL CORRECTIONS

TDE .1271 TRA -.2745 TC3 .1177 BAU .0278
 RDE -.1327 RRA -.0223 RC3 -.2071 FAU .19385
 FDE-3.8581 FRA -.1155 FC-19.2059 BSP 1351
 BDE .1837 BRA .2754 BC3 .2382 FSP -3701

MID-COURSE EXECUTION ACCURACY

SGT 610.2 SGR 288.3 SG3 1174.9
 RRT -.2670 RRF .8478 RTF -.3016
 SGB 674.9 R23 -.7729 R13 .3570
 SG1 616.3 SG2 275.1 THA 171.01

ORBIT DETERMINATION ACCURACY

ST 297.1 SR 257.5 SS 1960.6
 CRT -.7985 CRS -.9986 CST .8231
 LSA 1992.6 MSA 167.9 SSA 8.5
 EL1 373.3 EL2 123.4 ALF 140.10

LAUNCH DATE JUN 10 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 366.024

RL 151.88 LAL -.00 LOL 258.45 VL 26.934 GAL -1.23 AZL 93.01 HCA 162.09 SMA 129.84 ECC .17110 INC 3.0138 V1 29.334
 RP 107.96 LAP -.93 LOP 60.56 VP 37.899 GAP -1.74 AZP 87.13 TAL 185.98 TAP 348.06 RCA 107.62 APO 152.05 V2 35.101
 RC 82.236 GL -28.91 GP -5.12 ZAL 105.45 ZAP 71.69 ETS 1.55 ZAE 173.84 ETE 355.27 ZAC 97.52 ETC 13.56 CLP -71.62

PLANETOCENTRIC CONIC

C3 8.579 VHL 2.929 DLA -15.86 RAL 142.55 RAD 6567.3 VEL 11.400 PTH 1.97 VHP 2.942 DPA 2.79 RAP 169.13 ECC 1.1412
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 48 2 1515.56 1.27 .77 352.02 118.29 6 13 18 915.6 5.04 354.12
 90.00 13 32 14 5192.92 26.03 232.76 355.73 78.43 14 58 47 4592.9 24.17 224.58
 100.00 7 0 36 1281.44 .37 343.06 351.52 119.89 7 21 57 681.4 4.35 336.53
 100.00 15 2 22 4902.27 27.03 211.13 355.49 76.72 16 24 4 4302.3 24.93 202.96
 110.00 7 49 20 1128.76 -1.91 330.06 350.09 124.14 8 8 9 528.8 2.58 323.85
 110.00 16 30 7 4627.71 29.62 189.46 354.67 72.10 17 47 15 4027.7 26.89 181.34

DIFFERENTIAL CORRECTIONS

TDE .0469 TRA -.2758 TC3 -.2832 BAU .0486
 RDE -.1390 RRA -.0195 RC3 -.3158 FAU .20474
 FDE -4.0217 FRA -.0892 FC-20.6606 BSP 979
 BDE .1467 BRA .2765 BC3 .4241 FSP -3933

MID-COURSE EXECUTION ACCURACY

SGT 592.0 SGR 331.3 SG3 1247.3
 RRT .1430 RRF .9169 RTF .1625
 SGB 678.4 R23 .8910 R13 .2190
 SG1 594.7 SG2 326.4 THA 6.56

ORBIT DETERMINATION ACCURACY

ST 191.7 SR 272.3 SS 2002.1
 CRT -.4387 CRS -.9990 CST .4704
 LSA 2022.5 MSA 169.3 SSA 7.5
 EL1 291.5 EL2 160.9 ALF 115.38

LAUNCH DATE JUN 10 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 372.437

RL 151.88 LAL -.00 LOL 258.45 VL 26.942 GAL -1.20 AZL 92.93 HCA 165.31 SMA 129.89 ECC .17055 INC 2.9255 V1 29.334
 RP 107.92 LAP -.74 LOP 63.78 VP 37.917 GAP -1.28 AZP 87.17 TAL 185.87 TAP 351.17 RCA 107.74 APO 152.04 V2 35.113
 RC 84.440 GL -28.33 GP -6.35 ZAL 105.36 ZAP 77.38 ETS 1.42 ZAE 177.15 ETE 315.22 ZAC 100.19 ETC 13.36 CLP -77.30

PLANETOCENTRIC CONIC

C3 8.395 VHL 2.897 DLA -15.38 RAL 142.94 RAD 6567.3 VEL 11.392 PTH 1.97 VHP 2.881 DPA 2.62 RAP 166.39 ECC 1.1382
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 8 1528.66 .84 1.50 352.08 118.31 6 10 37 928.7 4.62 354.86
 90.00 13 38 12 5171.62 25.73 231.27 355.65 77.75 15 4 24 4571.6 23.78 223.14
 100.00 6 58 4 1293.35 -.03 343.72 351.59 119.89 7 19 37 693.4 3.95 337.19
 100.00 15 7 58 4882.16 26.70 209.72 355.40 76.04 16 29 20 4282.2 24.52 201.60
 110.00 7 47 34 1138.28 -2.27 330.55 350.19 124.12 8 6 33 538.3 2.22 324.35
 110.00 16 34 57 4610.00 29.24 188.22 354.56 71.45 17 51 47 4010.0 26.43 180.16

DIFFERENTIAL CORRECTIONS

TDE -.0360 TRA -.2754 TC3 -.7340 BAU .0975
 RDE -.1505 RRA -.0163 RC3 -.4645 FAU .21330
 FDE -4.1026 FRA -.0463 FC-21.9973 BSP 1465
 BDE .1548 BRA .2759 BC3 .8687 FSP -4131

MID-COURSE EXECUTION ACCURACY

SGT 710.7 SGR 402.7 SG3 1305.5
 RRT .5402 RRF .9613 RTF .5637
 SGB 816.8 R23 .6789 R13 .6825
 SG1 751.3 SG2 320.5 THA 21.02

ORBIT DETERMINATION ACCURACY

ST 184.2 SR 297.9 SS 2021.7
 CRT .4189 CRS -.9993 CST -.3924
 LSA 2044.8 MSA 169.5 SSA 6.4
 EL1 311.6 EL2 159.9 ALF 70.00

LAUNCH DATE JUN 10 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 378.830

RL 151.88 LAL -.00 LOL 258.45 VL 26.947 GAL -1.16 AZL 92.79 HCA 168.53 SMA 129.92 ECC .17021 INC 2.7897 V1 29.334
 RP 107.89 LAP -.55 LOP 67.00 VP 37.931 GAP -.84 AZP 87.27 TAL 185.69 TAP 354.22 RCA 107.81 APO 152.03 V2 35.125
 RC 86.655 GL -27.33 GP -8.21 ZAL 105.21 ZAP 83.10 ETS 1.14 ZAE 175.34 ETE 242.15 ZAC 103.03 ETC 12.94 CLP -83.03

PLANETOCENTRIC CONIC

C3 8.158 VHL 2.856 DLA -14.56 RAL 143.60 RAD 6567.3 VEL 11.382 PTH 1.97 VHP 2.850 DPA 1.86 RAP 163.38 ECC 1.1343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 40 15 1552.76 .07 2.85 352.30 118.32 6 6 7 952.8 3.85 356.21
 90.00 13 48 24 5136.80 25.20 228.85 355.65 76.64 15 14 1 4536.8 23.12 220.80
 100.00 6 53 47 1315.50 -.78 344.93 351.82 119.88 7 15 42 715.5 3.20 338.41
 100.00 15 17 33 4849.30 26.14 207.44 355.39 74.97 16 38 23 4249.3 23.82 199.41
 110.00 7 44 34 1156.41 -2.97 331.50 350.46 124.07 8 3 51 556.4 1.53 325.30
 110.00 16 43 15 4581.15 28.60 186.22 354.52 70.43 17 59 36 3981.1 25.67 178.27

DIFFERENTIAL CORRECTIONS

TDE -.1187 TRA -.2735 TC3 -1.2504 BAU .1554
 RDE -.1692 RRA -.0111 RC3 -.6832 FAU .21791
 FDE -4.0363 FRA .0448 FC-23.1252 BSP 2484
 BDE .2067 BRA .2737 BC3 1.4249 FSP -4251

MID-COURSE EXECUTION ACCURACY

SGT 942.5 SGR 517.7 SG3 1338.7
 RRT .7637 RRF .9850 RTF .7746
 SGB 1075.3 R23 .4971 R13 .8511
 SG1 1031.0 SG2 305.5 THA 25.12

ORBIT DETERMINATION ACCURACY

ST 293.4 SR 339.7 SS 1996.2
 CRT .8253 CRS -.9996 CST -.8123
 LSA 2038.9 MSA 170.0 SSA 5.3
 EL1 429.3 EL2 131.1 ALF 50.05

LAUNCH DATE JUN 10 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 385.203

RL 151.88 LAL -.00 LOL 258.45 VL 26.947 GAL -1.11 AZL 92.55 HCA 171.75 SMA 129.93 ECC .17005 INC 2.5485 V1 29.334
 RP 107.85 LAP -.37 LOP 70.21 VP 37.942 GAP -.41 AZP 87.48 TAL 185.44 TAP 357.20 RCA 107.83 APO 152.02 V2 35.137
 RC 88.880 GL -25.39 GP -11.39 ZAL 105.05 ZAP 88.76 ETS .54 ZAE 170.12 ETE 229.63 ZAC 106.09 ETC 11.99 CLP -88.73

PLANETOCENTRIC CONIC

C3 7.807 VHL 2.794 DLA -12.90 RAL 144.73 RAD 6567.3 VEL 11.367 PTH 1.96 VHP 2.858 DPA -.17 RAP 159.92 ECC 1.1285
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 10 1602.12 -1.53 5.60 352.73 118.28 5 56 52 1002.1 2.26 358.97
 90.00 14 7 28 5071.19 24.10 224.37 355.67 74.66 15 31 59 4471.2 21.76 216.48
 100.00 6 44 50 1361.24 -2.33 347.44 352.28 119.81 7 7 31 761.2 1.65 340.92
 100.00 15 35 29 4787.31 24.98 203.20 355.38 73.03 16 55 16 4187.3 22.42 195.34
 110.00 7 38 1 1194.64 -4.42 333.50 350.98 123.93 7 57 56 594.6 .06 327.29
 110.00 16 58 47 4526.67 27.30 182.51 354.48 68.58 18 14 13 3926.7 24.15 174.77

DIFFERENTIAL CORRECTIONS

TDE -.1874 TRA -.2625 TC3 -1.8392 BAU .2214
 RDE -.1999 RRA -.0010 RC3 -1.0573 FAU .21744
 FDE -3.7409 FRA .1914 FC-24.1134 BSP 3757
 BDE .2740 BRA .2625 BC3 2.1214 FSP -4270

MID-COURSE EXECUTION ACCURACY

SGT 1228.4 SGR 719.0 SG3 1340.1
 RRT .8671 RRF .9956 RTF .8699
 SGB 1423.4 R23 .3736 R13 .9230
 SG1 1387.6 SG2 317.1 THA 28.54

ORBIT DETERMINATION ACCURACY

ST 419.6 SR 410.2 SS 1896.9
 CRT .9188 CRS -.9998 CST -.9121
 LSA 1978.4 MSA 168.6 SSA 4.2
 EL1 574.8 EL2 118.2 ALF 44.29

LAUNCH DATE JUN 10 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 391.555

RL 151.88 LAL -.00 LOL 258.45 VL 26.945 GAL -1.05 AZL 92.00 HCA 174.98 SMA 129.91 ECC .17008 INC 2.0013 V1 29.334
 RP 107.82 LAP -.17 LOP 73.43 VP 37.951 GAP .02 AZP 88.01 TAL 185.14 TAP .11 RCA 107.82 APO 152.01 V2 35.149
 RC 91.113 GL -20.56 GP -18.28 ZAL 105.06 ZAP 94.12 ETS 359.08 ZAE 162.00 ETE 233.89 ZAC 109.60 ETC 9.48 CLP -94.34

PLANETOCENTRIC CONIC

C3 7.173 VHL 2.678 DLA -8.59 RAL 147.01 RAD 6567.2 VEL 11.339 PTH 1.95 VHP 2.949 DPA -5.73 RAP 155.23 ECC 1.1181
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 48 1729.89 -5.62 12.76 353.81 117.80 5 32 38 1129.9 -1.86 6.10
 90.00 14 52 0 4912.88 20.85 213.90 355.70 70.39 16 13 53 4312.9 17.99 206.40
 100.00 6 20 58 1480.93 -6.36 354.05 353.41 119.27 6 45 39 880.9 -2.41 347.49
 100.00 16 17 31 4637.08 21.63 193.31 355.39 68.85 17 34 48 4037.1 18.56 185.85
 110.00 7 19 43 1297.00 -8.28 338.92 352.23 123.28 7 41 20 697.0 -3.85 332.64
 110.00 17 35 16 4393.76 23.70 173.87 354.43 64.61 18 48 30 3793.8 20.08 166.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.2083 TRA -.2291 TC3-2.5996 BAU .3083 SGT 1543.8 SGR 1138.6 SG3 1264.9 ST 471.6 SR 515.7 SS 1566.6
 RDE -.2405 RRA .0299 RC3-1.8923 FAU .20505 RRT .9152 RRF .9992 RTF .9152 CRT .9359 CRS -.9999 CST -.9317
 FDE -2.8647 FRA .4715 FC-24.7476 BSP 5487 SGB 1918.2 R23 .2669 R13 .9630 LSA 1707.5 MSA 165.0 SSA 3.3
 BDE .3182 BRA .2310 BC3 3.2154 FSP -4022 SG1 1880.9 SG2 376.5 THA 35.67 EL1 687.7 EL2 124.6 ALF 47.73

LAUNCH DATE JUN 10 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 397.887

RL 151.88 LAL -.00 LOL 258.45 VL 26.940 GAL -.98 AZL 89.49 HCA 178.20 SMA 129.87 ECC .17027 INC .4844 V1 29.334
 RP 107.78 LAP .02 LOP 76.66 VP 37.958 GAP .43 AZP 90.91 TAL 184.76 TAP 2.97 RCA 107.76 APO 151.99 V2 35.160
 RC 93.352 GL 5.51 GP -43.21 ZAL 105.33 ZAP 97.29 ETS 353.84 ZAE 138.00 ETE 248.13 ZAC 113.30 ETC 358.60 CLP-100.03

PLANETOCENTRIC CONIC

C3 6.246 VHL 2.499 DLA 15.52 RAL 157.06 RAD 6567.2 VEL 11.298 PTH 1.94 VHP 3.775 DPA -27.99 RAP 143.22 ECC 1.1028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 35 14 2479.80 -25.00 59.01 5.95 103.76 3 16 33 1879.8 -22.86 50.99
 90.00 18 40 45 4115.04 -2.70 167.24 3.06 61.80 19 49 20 3515.0 -6.45 160.57
 100.00 4 5 5 2190.00 -25.87 37.44 5.69 105.52 4 41 35 1590.0 -23.49 29.45
 100.00 19 53 35 3880.08 -1.91 149.53 2.62 60.16 20 58 15 3280.1 -5.87 142.97
 110.00 5 32 17 1917.16 -28.14 15.89 4.87 110.26 6 4 15 3137.2 -25.12 8.02
 110.00 20 42 52 3725.68 .11 136.55 1.35 55.82 21 44 58 3125.7 -4.38 130.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1276 TRA -.0423 TC3-3.6111 BAU .4972 SGT 1831.3 SGR 2447.9 SG3 792.1 ST 299.1 SR 204.5 SS 255.3
 RDE .0171 RRA .2630 RC3-4.7338 FAU .12784 RRT .9413 RRF 1.0000 RTF .9417 CRT .1583 CRS -.9975 CST -.2256
 FDE .0891 FRA .9907 FC-17.7189 BSP 9157 SGB 3057.1 R23 .1202 R13 .9927 LSA 345.7 MSA 277.3 SSA 2.7
 BDE .1288 BRA .2664 BC3 5.9539 FSP -2483 SG1 3015.6 SG2 501.9 THA 53.68 EL1 302.2 EL2 199.8 ALF 11.07

LAUNCH DATE JUN 10 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 404.210

RL 151.88 LAL -.00 LOL 258.45 VL 26.932 GAL -.89 AZL 98.24 HCA 181.44 SMA 129.82 ECC .17063 INC 8.2449 V1 29.334
 RP 107.75 LAP .21 LOP 79.88 VP 37.962 GAP .84 AZP 81.76 TAL 184.34 TAP 5.79 RCA 107.67 APO 151.97 V2 35.170
 RC 95.596 GL -54.50 GP 49.37 ZAL 97.53 ZAP 100.12 ETS 13.19 ZAE 124.92 ETE 114.82 ZAC 92.37 ETC 26.39 CLP-105.66

PLANETOCENTRIC CONIC

C3 22.488 VHL 4.742 DLA -40.60 RAL 134.07 RAD 6567.9 VEL 11.994 PTH 2.14 VHP 4.230 DPA 56.93 RAP 187.02 ECC 1.3701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.60 5 42 37 1555.37 26.44 18.55 8.60 122.01 6 8 32 955.4 30.46 11.10
 120.40 12 30 0 5573.82 26.45 259.65 8.61 122.00 14 2 54 4973.8 30.47 252.19
 59.60 5 42 37 1555.37 26.44 18.55 8.60 122.01 6 8 32 955.4 30.46 11.10
 120.40 12 30 0 5573.82 26.45 259.65 8.61 122.00 14 2 54 4973.8 30.47 252.19
 59.60 5 42 37 1555.37 26.44 18.55 8.60 122.01 6 8 32 955.4 30.46 11.10
 120.40 12 30 0 5573.82 26.45 259.65 8.61 122.00 14 2 54 4973.8 30.47 252.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.3611 TRA -.6709 TC3-1.1515 BAU .5219 SGT 2244.2 SGR 2735.1 SG3 675.6 ST 1675.7 SR 2401.1 SS 2495.1
 RDE 1.9836 RRA .2939 RC3 1.2990 FAU .09749 RRT -.9426 RRF -.9999 RTF .9472 CRT -.9910 CRS 1.0000 CST -.9917
 FDE -5.6391 FRA -.9013 FC3-3.7531 BSP 11658 SGB 3538.0 R23 .1214 R13 -.9926 LSA 3841.8 MSA 198.2 SSA .4
 BDE 2.4057 BRA .7324 BC3 1.7359 FSP -2270 SG1 3488.9 SG2 587.3 THA 129.04 EL1 2922.2 EL2 183.8 ALF 124.83

LAUNCH DATE JUN 10 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 410.509

RL 151.88 LAL -.00 LOL 258.45 VL 26.921 GAL -.79 AZL 94.89 HCA 184.67 SMA 129.75 ECC .17113 INC 4.8852 V1 29.334
 RP 107.72 LAP .40 LOP 83.11 VP 37.964 GAP 1.24 AZP 85.13 TAL 183.84 TAP 8.51 RCA 107.54 APO 151.95 V2 35.180
 RC 97.843 GL -41.66 GP 18.68 ZAL 99.57 ZAP 108.79 ETS 7.44 ZAE 149.32 ETE 138.35 ZAC 105.52 ETC 22.12 CLP-109.88

PLANETOCENTRIC CONIC

C3 11.900 VHL 3.450 DLA -29.15 RAL 141.16 RAD 6567.5 VEL 11.545 PTH 2.02 VHP 3.100 DPA 30.75 RAP 163.93 ECC 1.1958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.79 8 34 55 968.53 22.90 331.11 1.90 108.54 8 51 4 368.5 25.22 323.14
 97.21 10 34 15 5870.76 22.91 280.72 1.91 108.53 12 12 5 5270.8 25.23 272.75
 100.00 9 59 54 692.96 19.01 309.35 .30 113.51 10 11 27 93.0 22.03 301.86
 100.00 11 51 57 5621.56 26.92 263.55 3.17 103.52 13 25 38 5021.6 28.51 255.11
 110.00 9 45 20 738.84 12.76 309.40 356.88 121.99 9 57 39 138.8 16.89 302.73
 110.00 14 23 0 5148.45 33.89 228.96 4.47 94.77 15 48 49 4548.5 34.18 219.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9539 TRA -.3820 TC3-2.4340 BAU .4148 SGT 2420.3 SGR 1015.5 SG3 1105.6 ST 1600.0 SR 784.5 SS 2587.3
 RDE .4722 RRA -.0031 RC3 .9350 FAU .16729 RRT -.9446 RRF -.9996 RTF .9498 CRT -.9903 CRS 1.0000 CST -.9908
 FDE -5.8132 FRA -.0113 FC-12.1706 BSP 7367 SGB 2624.7 R23 .2664 R13 -.9636 LSA 3136.0 MSA 187.5 SSA 1.0
 BDE 1.0644 BRA .3820 BC3 2.6074 FSP -3172 SG1 2606.4 SG2 309.6 THA 158.05 EL1 1779.3 EL2 97.8 ALF 154.01

LAUNCH DATE JUN 10 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 416.780

RL 151.88 LAL -.00 LOL 258.45 VL 26.908 GAL -.68 AZL 94.27 HCA 187.91 SMA 129.66 ECC .17178 INC 4.2710 V1 29.334
 RP 107.69 LAP .59 LOP 86.34 VP 37.964 GAP 1.64 AZP 85.77 TAL 183.29 TAP 11.20 RCA 107.39 APO 151.93 V2 35.190
 RC 100.092 GL -38.11 GP 11.00 ZAL 99.26 ZAP 113.95 ETS 5.83 ZAE 151.25 ETE 153.87 ZAC 109.40 ETC 20.38 CLP-114.43

PLANETOCENTRIC CONIC

C3 10.548 VHL 3.248 DLA -26.24 RAL 143.65 RAD 6567.4 VEL 11.486 PTH 2.00 VHP 3.081 DPA 24.14 RAP 159.28 ECC 1.1736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 9 28 1062.80 15.17 334.79 359.60 114.20 8 27 11 462.8 18.32 327.53
 90.00 11 19 34 5726.69 27.40 271.36 3.31 97.43 12 55 1 5126.7 28.15 262.77
 100.00 9 2 19 892.11 13.19 321.28 358.62 117.07 9 17 11 292.1 16.72 314.26
 100.00 13 9 24 5372.61 29.59 245.57 3.57 94.45 14 38 57 4772.6 29.89 236.77
 110.00 9 20 42 834.42 9.26 314.59 356.30 123.05 9 34 37 234.4 13.54 308.11
 110.00 15 7 31 5003.06 34.14 217.62 3.69 88.07 16 30 54 4403.1 33.49 208.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9812 TRA -.3465 TC3-3.1757 BAU .4557 SGT 2777.8 SGR 597.6 SG3 1172.8 ST 1744.2 SR 454.7 SS 2550.3
 RDE .2576 RRA -.0039 RC3 .5973 FAU .18045 RRT -.9529 RRF -.9967 RTF .9623 CRT -.9925 CRS 1.0000 CST -.9924
 FDE -5.4271 FRA .0988 FC-14.8105 BSP 8425 SGB 2841.4 R23 .2504 R13 -.9656 LSA 3117.9 MSA 178.8 SSA 2.1
 BDE 1.0145 BRA .3465 BC3 3.2314 FSP -3665 SG1 2835.8 SG2 177.6 THA 168.37 EL1 1801.7 EL2 54.0 ALF 165.48

LAUNCH DATE JUN 10 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 423.036

RL 151.88 LAL -.00 LOL 258.45 VL 26.893 GAL -.56' AZL 94.01 HCA 191.14 SMA 129.56 ECC .17257 INC 4.0122 V1 29.334
 RP 107.66 LAP .78 LOP 89.57 VP 37.962 GAP 2.02 AZP 86.06 TAL 182.69 TAP 13.84 RCA 107.20 APO 151.92 V2 35.199
 RC 102.344 GL -36.42 GP 7.64 ZAL 98.45 ZAP 118.43 ETS 5.09 ZAE 149.88 ETE 162.34 ZAC 111.46 ETC 19.53 CLP-118.70

PLANETOCENTRIC CONIC

C3 10.043 VHL 3.169 DLA -25.12 RAL 145.45 RAD 6567.4 VEL 11.464 PTH 1.99 VHP 3.148 DPA 21.38 RAP 156.92 ECC 1.1653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 53 52 1130.20 13.25 338.81 359.99 115.25 8 12 42 530.2 16.55 331.68
 90.00 11 49 28 5639.57 28.01 265.06 4.14 94.33 13 23 28 5039.6 28.32 256.41
 100.00 8 51 58 942.61 11.61 324.19 359.15 117.74 9 7 41 342.6 15.23 317.27
 100.00 13 34 3 5302.39 29.85 240.36 4.25 91.72 15 2 26 4702.4 29.77 231.56
 110.00 9 16 23 866.05 8.08 316.28 357.04 123.33 9 30 49 266.0 12.41 309.86
 110.00 15 26 8 4951.72 33.95 213.62 4.14 85.71 16 48 40 4351.7 32.98 204.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.0445 TRA -.3124 TC3-3.6983 BAU .4990 SGT 3074.0 SGR 392.4 SG3 1139.2 ST 1898.9 SR 316.5 SS 2465.9
 RDE .1750 RRA -.0040 RC3 .3659 FAU .17505 RRT -.9419 RRF -.9836 RTF .9668 CRT -.9942 CRS .9999 CST -.9932
 FDE -5.0112 FRA .2731 FC-15.0894 BSP 9320 SGB 3099.0 R23 .2124 R13 -.9679 LSA 3123.4 MSA 176.0 SSA 3.2
 BDE 1.0590 BRA .3124 BC3 3.7164 FSP -3598 SG1 3096.2 SG2 130.9 THA 173.13 EL1 1924.8 EL2 33.5 ALF 170.59

LAUNCH DATE JUN 10 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 429.274

RL 151.88 LAL -.00 LOL 258.45 VL 26.876 GAL -.43 AZL 93.87 HCA 194.38 SMA 129.44 ECC .17350 INC 3.8686 V1 29.334
 RP 107.61 LAP .96 LOP 92.80 VP 37.958 GAP 2.41 AZP 86.25 TAL 182.04 TAP 16.42 RCA 106.98 APO 151.90 V2 35.208
 RC 104.596 GL -35.41 GP 5.76 ZAL 97.40 ZAP 122.50 ETS 4.64 ZAE 147.83 ETE 167.32 ZAC 112.75 ETC 19.03 CLP-122.68

PLANETOCENTRIC CONIC

C3 9.795 VHL 3.130 DLA -24.66 RAL 147.07 RAD 6567.4 VEL 11.454 PTH 1.99 VHP 3.242 DPA 19.88 RAP 155.47 ECC 1.1612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 52 17 1153.01 12.59 340.16 1.03 115.58 8 11 30 553.0 15.93 333.07
 90.00 12 4 2 5606.81 28.16 262.67 5.27 93.15 13 37 28 5006.8 28.30 254.01
 100.00 8 51 56 960.40 11.04 325.21 .23 117.95 9 7 57 360.4 14.70 318.32
 100.00 13 47 3 5274.65 29.89 238.30 5.33 90.63 15 14 58 4674.6 29.65 229.50
 110.00 9 18 24 877.40 7.65 316.88 358.20 123.42 9 33 2 277.4 12.00 310.48
 110.00 15 37 5 4930.42 33.82 211.97 5.15 84.74 16 59 15 4330.4 32.73 202.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.1180 TRA -.2777 TC3-4.1280 BAU .5413 SGT 3343.4 SGR 279.5 SG3 1083.9 ST 2055.0 SR 246.9 SS 2386.0
 RDE .1348 RRA -.0013 RC3 .2093 FAU .16593 RRT -.9014 RRF -.9428 RTF .9696 CRT -.9962 CRS .9995 CST -.9938
 FDE -4.6482 FRA .4144 FC-14.6655 BSP 10179 SGB 3355.1 R23 .1562 R13 -.9700 LSA 3153.9 MSA 173.3 SSA 4.4
 BDE 1.1261 BRA .2777 BC3 4.1333 FSP -3439 SG1 3352.9 SG2 120.6 THA 175.69 EL1 2069.7 EL2 21.5 ALF 173.18

LAUNCH DATE JUN 10 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 435.493

RL 151.88 LAL -.00 LOL 258.45 VL 26.858 GAL -.28 AZL 93.78 HCA 197.62 SMA 129.32 ECC .17457 INC 3.7765 V1 29.334
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.952 GAP 2.79 AZP 86.40 TAL 181.34 TAP 18.96 RCA 106.74 APO 151.89 V2 35.216
 RC 106.849 GL -34.68 GP 4.56 ZAL 96.18 ZAP 126.24 ETS 4.34 ZAE 145.69 ETE 170.49 ZAC 113.55 ETC 18.66 CLP-126.38

PLANETOCENTRIC CONIC

C3 9.664 VHL 3.109 DLA -24.53 RAL 148.68 RAD 6567.3 VEL 11.448 PTH 1.99 VHP 3.352 DPA 18.92 RAP 154.58 ECC 1.1591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 7 56 28 1158.08 12.44 340.45 2.40 115.64 8 15 46 558.1 15.79 333.38
 90.00 12 12 41 5596.44 28.19 261.92 6.64 92.77 13 45 57 4996.4 28.28 253.25
 100.00 8 56 32 964.16 10.92 325.42 1.62 118.00 9 12 36 364.2 14.58 318.55
 100.00 13 55 18 5265.59 29.89 237.63 6.69 90.28 15 23 3 4665.6 29.61 228.83
 110.00 9 23 33 879.40 7.58 316.99 359.60 123.43 9 38 13 279.4 11.92 310.59
 110.00 15 44 46 4923.11 33.78 211.41 6.48 84.41 17 6 49 4323.1 32.64 202.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -1.1950 TRA -.2359 TC3-4.4963 BAU .5811 SGT 3590.9 SGR 217.2 SG3 1024.1 ST 2208.7 SR 208.8 SS 2317.2
 RDE .1133 RRA .0024 RC3 .0959 FAU .15592 RRT -.8063 RRF -.8470 RTF .9714 CRT -.9979 CRS .9985 CST -.9943
 FDE -4.3351 FRA .5490 FC-13.9669 BSP 10998 SGB 3597.4 R23 .1062 R13 -.9715 LSA 3203.5 MSA 170.7 SSA 5.5
 BDE 1.2004 BRA .2359 BC3 4.4973 FSP -3270 SG1 3595.1 SG2 128.3 THA 177.20 EL1 2218.5 EL2 13.5 ALF 174.61

LAUNCH DATE JUN 10 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 441.693

RL 151.88 LAL -.00 LOL 258.45 VL 26.837 GAL -.13 AZL 93.71 HCA 200.86 SMA 129.18 ECC .17577 INC 3.7126 V1 29.334
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.944 GAP 3.16 AZP 86.53 TAL 180.59 TAP 21.45 RCA 106.47 APO 151.88 V2 35.223
 RC 109.101 GL -34.11 GP 3.74 ZAL 94.83 ZAP 129.70 ETS 4.10 ZAE 143.64 ETE 172.65 ZAC 113.97 ETC 18.36 CLP-129.80

PLANETOCENTRIC CONIC

C3 9.603 VHL 3.099 DLA -24.59 RAL 150.33 RAD 6567.3 VEL 11.445 PTH 1.99 VHP 3.473 DPA 18.21 RAP 154.10 ECC 1.1580
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 3 59 1153.65 12.57 340.19 4.00 115.58 8 23 12 553.7 15.91 333.11
 90.00 12 18 21 5598.36 28.19 262.06 8.21 92.84 13 51 40 4998.4 28.28 253.39
 100.00 9 3 53 960.27 11.05 325.20 3.22 117.95 9 19 53 360.3 14.70 318.32
 100.00 14 1 8 5266.98 29.89 237.73 8.26 90.33 15 28 55 4667.0 29.62 228.94
 110.00 9 30 41 876.23 7.70 316.82 1.21 123.41 9 45 17 276.2 12.04 310.42
 110.00 15 50 50 4923.78 33.78 211.46 8.05 84.44 17 12 54 4323.8 32.64 202.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2792 TRA -.1902 TC3-4.8251 BAU .6195 SGT 3832.2 SGR 189.0 SG3 967.4 ST 2369.6 SR 188.4 SS 2270.2
 RDE .1019 RRA .0069 RC3 .0093 FAU .14597 RRT -.6466 RRF -.6856 RTF .9725 CRT -.9990 CRS .9966 CST -.9947
 FDE-4.0841 FRA .6632 FC-13.1593 BSP 11837 SGB 3836.9 R23 .0732 R13 -.9726 LSA 3282.7 MSA 168.2 SSA 6.7
 BDE 1.2832 BRA .1903 BC3 4.8251 FSP -3113 SG1 3834.2 SG2 144.1 THA 178.17 EL1 2377.0 EL2 8.5 ALF 175.46

LAUNCH DATE JUN 10 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 447.877

RL 151.88 LAL -.00 LOL 258.45 VL 26.815 GAL .04 AZL 93.67 HCA 204.10 SMA 129.03 ECC .17710 INC 3.6651 V1 29.334
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.935 GAP 3.53 AZP 86.65 TAL 179.80 TAP 23.90 RCA 106.18 APO 151.88 V2 35.230
 RC 111.351 GL -33.61 GP 3.14 ZAL 93.36 ZAP 132.88 ETS 3.91 ZAE 141.75 ETE 174.20 ZAC 114.07 ETC 18.09 CLP-132.96

PLANETOCENTRIC CONIC

C3 9.591 VHL 3.097 DLA -24.76 RAL 152.06 RAD 6567.3 VEL 11.445 PTH 1.99 VHP 3.603 DPA 17.62 RAP 153.96 ECC 1.1578
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 13 51 1143.11 12.88 339.57 5.82 115.44 8 32 54 543.1 16.20 332.47
 90.00 12 22 16 5608.41 28.15 262.79 9.97 93.20 13 55 45 5008.4 28.30 254.13
 100.00 9 13 12 951.50 11.33 324.70 5.02 117.85 9 29 4 351.5 14.96 317.80
 100.00 14 5 36 5275.25 29.89 238.35 10.03 90.66 15 33 32 4675.2 29.66 229.55
 110.00 9 39 15 869.81 7.94 316.48 2.99 123.36 9 53 45 269.8 12.27 310.06
 110.00 15 56 3 4929.70 33.82 211.92 9.84 84.71 17 18 13 4329.7 32.72 202.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.3189 TRA -.1153 TC3-4.9866 BAU .6395 SGT 3943.2 SGR 179.0 SG3 866.5 ST 2442.8 SR 172.8 SS 2095.9
 RDE .0934 RRA .0109 RC3 -.0666 FAU .12956 RRT -.4240 RRF -.4573 RTF .9693 CRT -.9989 CRS .9924 CST -.9942
 FDE-3.6264 FRA .8632 FC-11.6945 BSP 12013 SGB 3947.2 R23 .0504 R13 -.9693 LSA 3218.8 MSA 171.0 SSA 7.9
 BDE 1.3222 BRA .1158 BC3 4.9870 FSP -2705 SG1 3943.9 SG2 162.0 THA 178.90 EL1 2448.9 EL2 8.0 ALF 175.96

LAUNCH DATE JUN 10 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 454.037

RL 151.88 LAL -.00 LOL 258.45 VL 26.792 GAL .23 AZL 93.63 HCA 207.35 SMA 128.87 ECC .17858 INC 3.6283 V1 29.334
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.924 GAP 3.90 AZP 86.78 TAL 178.96 TAP 26.31 RCA 105.86 APO 151.89 V2 35.236
 RC 113.598 GL -33.14 GP 2.69 ZAL 91.79 ZAP 135.84 ETS 3.74 ZAE 140.02 ETE 175.35 ZAC 113.92 ETC 17.82 CLP-135.91

PLANETOCENTRIC CONIC

C3 9.620 VHL 3.102 DLA -25.01 RAL 153.87 RAD 6567.3 VEL 11.446 PTH 1.99 VHP 3.740 DPA 17.09 RAP 154.09 ECC 1.1583
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 26 1128.62 13.30 338.72 7.80 115.23 8 44 14 528.6 16.59 331.59
 90.00 12 25 5 5624.06 28.09 263.93 11.88 93.77 13 58 49 5024.1 28.31 255.27
 100.00 9 23 56 939.73 11.70 324.02 6.99 117.70 9 39 36 339.7 15.32 317.10
 100.00 14 9 16 5288.19 29.87 239.31 11.97 91.16 15 37 24 4688.2 29.71 230.51
 110.00 9 48 52 861.53 8.25 316.04 4.92 123.29 10 3 13 261.5 12.57 309.61
 110.00 16 0 50 4939.15 33.88 212.65 11.81 85.14 17 23 9 4339.2 32.83 203.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4269 TRA -.0810 TC3-5.3071 BAU .6827 SGT 4220.5 SGR 189.5 SG3 837.0 ST 2638.2 SR 171.9 SS 2122.6
 RDE .0929 RRA .0175 RC3 -.1165 FAU .12419 RRT -.2752 RRF -.3052 RTF .9732 CRT -.9978 CRS .9891 CST -.9953
 FDE-3.5430 FRA .8424 FC-11.1763 BSP 13033 SGB 4224.8 R23 .0383 R13 -.9732 LSA 3386.6 MSA 161.7 SSA 9.0
 BDE 1.4299 BRA .0829 BC3 5.3084 FSP -2671 SG1 4220.9 SG2 182.2 THA 179.29 EL1 2643.8 EL2 11.4 ALF 176.28

LAUNCH DATE JUN 10 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 460.181

RL 151.88 LAL -.00 LOL 258.45 VL 26.767 GAL .42 AZL 93.60 HCA 210.59 SMA 128.71 ECC .18019 INC 3.5987 V1 29.334
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.912 GAP 4.27 AZP 86.90 TAL 178.09 TAP 28.68 RCA 105.52 APO 151.90 V2 35.241
 RC 115.842 GL -32.67 GP 2.33 ZAL 90.11 ZAP 138.58 ETS 3.58 ZAE 138.45 ETE 176.24 ZAC 113.53 ETC 17.56 CLP-138.63

PLANETOCENTRIC CONIC

C3 9.685 VHL 3.112 DLA -25.31 RAL 155.76 RAD 6567.3 VEL 11.449 PTH 1.99 VHP 3.884 DPA 16.58 RAP 154.47 ECC 1.1594
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 35 1110.80 13.82 337.66 9.97 114.97 8 57 6 510.8 17.07 330.50
 90.00 12 27 4 5644.54 27.98 265.42 13.95 94.51 14 1 9 5044.5 28.32 256.77
 100.00 9 35 58 925.56 12.15 323.21 9.13 117.52 9 51 23 325.6 15.74 316.26
 100.00 14 12 23 5305.01 29.84 240.56 14.07 91.82 15 40 48 4705.0 29.78 231.75
 110.00 9 59 27 851.89 8.61 315.52 7.02 123.21 10 13 38 251.9 12.92 309.08
 110.00 16 5 23 4951.45 33.94 213.60 13.96 85.70 17 27 55 4351.4 32.98 204.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5028 TRA -.0105 TC3-5.5009 BAU .7125 SGT 4402.1 SGR 204.2 SG3 782.7 ST 2768.8 SR 172.4 SS 2065.0
 RDE .0933 RRA .0231 RC3 -.1606 FAU .11496 RRT -.1493 RRF -.1747 RTF .9731 CRT -.9954 CRS .9835 CST -.9954
 FDE-3.3263 FRA .9374 FC-10.2761 BSP 13623 SGB 4406.8 R23 .0295 R13 -.9731 LSA 3454.6 MSA 159.5 SSA 10.1
 BDE 1.5057 BRA .0253 BC3 5.5033 FSP -2497 SG1 4402.2 SG2 201.9 THA 179.60 EL1 2774.1 EL2 16.6 ALF 176.45

LAUNCH DATE JUN 10 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 466.305

RL 151.88 LAL - .00 LOL 258.45 VL 26.742 GAL .63 AZL 93.57 HCA 213.84 SMA 128.54 ECC .18194 INC 3.5743 V1 29.334
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.898 GAP 4.64 AZP 87.03 TAL 177.18 TAP 31.02 RCA 105.15 APO 151.92 V2 35.246
 RC 118.080 GL -32.20 GP 2.05 ZAL 88.34 ZAP 141.13 ETS 3.44 ZAE 137.04 ETE 176.93 ZAC 112.93 ETC 17.28 CLP-141.17

PLANETOCENTRIC CONIC

C3 9.786 VHL 3.128 DLA -25.65 RAL 157.75 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 4.034 DPA 16.07 RAP 155.06 ECC 1.1610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 7 1090.37 14.40 336.45 12.31 114.65 9 11 17 490.4 17.61 329.24
 90.00 12 28 25 5669.07 27.84 267.20 16.17 95.39 14 2 54 5069.1 28.30 258.57
 100.00 9 49 3 909.76 12.64 322.30 11.43 117.31 10 4 13 309.8 16.20 315.32
 100.00 14 15 10 5324.91 29.79 242.03 16.32 92.60 15 43 55 4724.9 29.83 233.23
 110.00 10 10 48 841.51 8.99 314.97 9.27 123.12 10 24 50 241.5 13.29 308.51
 110.00 16 9 54 4965.92 34.01 214.73 16.28 86.36 17 32 40 4365.9 33.13 205.60

DIFFERENTIAL CORRECTIONS

TDE-1.5756 TRA .0651 TC3-5.6489 BAU .7395
 RDE .0958 RRA .0289 RC3 -.1958 FAU .10609
 FDE-3.1190 FRA 1.0101 FC3-9.3857 BSP 14186
 BDE 1.5785 BRA .0712 BC3 5.6523 FSP -2341

MID-COURSE EXECUTION ACCURACY

SGT 4564.6 SGR 221.9 SG3 729.7
 RRT -.0647 RRF -.0865 RTF .9730
 SGB 4570.0 R23 .0235 R13 -.9730
 SG1 4564.7 SG2 221.4 THA 179.82

ORBIT DETERMINATION ACCURACY

ST 2888.1 SR 176.4 SS 2003.3
 CRT -.9919 CRS .9772 CST -.9956
 LSA 3515.8 MSA 156.2 SSA 11.2
 EL1 2893.4 EL2 22.4 ALF 176.53

LAUNCH DATE JUN 10 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 472.408

RL 151.88 LAL - .00 LOL 258.45 VL 26.715 GAL .85 AZL 93.55 HCA 217.08 SMA 128.36 ECC .18384 INC 3.5536 V1 29.334
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.883 GAP 5.00 AZP 87.16 TAL 176.23 TAP 33.32 RCA 104.76 APO 151.95 V2 35.250
 RC 120.312 GL -31.71 GP 1.82 ZAL 86.49 ZAP 143.50 ETS 3.31 ZAE 135.77 ETE 177.49 ZAC 112.15 ETC 17.01 CLP-143.54

PLANETOCENTRIC CONIC

C3 9.923 VHL 3.150 DLA -26.01 RAL 159.83 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 4.189 DPA 15.55 RAP 155.83 ECC 1.1633
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 8 55 1067.72 15.04 335.09 14.82 114.28 9 26 42 467.7 18.19 327.83
 90.00 12 29 12 5697.25 27.64 269.24 18.52 96.40 14 4 9 5097.3 28.24 260.63
 100.00 10 3 4 892.84 13.17 321.32 13.89 117.08 10 17 57 292.8 16.70 314.30
 100.00 14 17 44 5347.37 29.71 243.70 18.73 93.47 15 46 51 4747.4 29.87 234.90
 110.00 10 22 49 830.85 9.39 314.40 11.66 123.02 10 36 40 230.9 13.67 307.92
 110.00 16 14 28 4982.12 34.08 215.99 18.75 87.11 17 37 30 4382.1 33.30 206.83

DIFFERENTIAL CORRECTIONS

TDE-1.6531 TRA .1475 TC3-5.7705 BAU .7661
 RDE .1000 RRA .0349 RC3 -.2232 FAU .09819
 FDE-2.9462 FRA 1.0742 FC3-8.5667 BSP 14714
 BDE 1.6561 BRA .1516 BC3 5.7748 FSP -2193

MID-COURSE EXECUTION ACCURACY

SGT 4727.2 SGR 240.5 SG3 683.4
 RRT -.0129 RRF -.0327 RTF .9730
 SGB 4733.4 R23 .0202 R13 -.9730
 SG1 4727.2 SG2 240.5 THA 179.96

ORBIT DETERMINATION ACCURACY

ST 3010.0 SR 183.2 SS 1954.4
 CRT -.9877 CRS .9706 CST -.9958
 LSA 3590.3 MSA 153.0 SSA 12.3
 EL1 3015.5 EL2 28.6 ALF 176.56

LAUNCH DATE JUN 10 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 478.492

RL 151.88 LAL - .00 LOL 258.45 VL 26.687 GAL 1.08 AZL 93.54 HCA 220.33 SMA 128.17 ECC .18589 INC 3.5359 V1 29.334
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.866 GAP 5.37 AZP 87.30 TAL 175.26 TAP 35.58 RCA 104.35 APO 152.00 V2 35.253
 RC 122.538 GL -31.19 GP 1.63 ZAL 84.56 ZAP 145.72 ETS 3.18 ZAE 134.63 ETE 177.95 ZAC 111.21 ETC 16.73 CLP-145.75

PLANETOCENTRIC CONIC

C3 10.100 VHL 3.178 DLA -26.38 RAL 162.00 RAD 6567.4 VEL 11.467 PTH 1.99 VHP 4.349 DPA 15.01 RAP 156.76 ECC 1.1662
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 25 56 1043.01 15.72 333.60 17.49 113.86 9 43 19 443.0 18.82 326.29
 90.00 12 29 28 5728.99 27.38 271.53 21.01 97.52 14 4 57 5129.0 28.14 262.94
 100.00 10 17 54 875.18 13.71 320.29 16.51 116.82 10 32 29 275.2 17.20 313.24
 100.00 14 20 11 5372.06 29.59 245.53 21.27 94.42 15 49 43 4772.1 29.89 236.73
 110.00 10 35 23 820.28 9.78 313.83 14.20 122.92 10 49 4 220.3 14.05 307.33
 110.00 16 19 10 4999.73 34.13 217.36 21.38 87.92 17 42 30 4399.7 33.46 208.18

DIFFERENTIAL CORRECTIONS

TDE-1.7281 TRA .2377 TC3-5.8528 BAU .7910
 RDE .1056 RRA .0409 RC3 -.2439 FAU .09080
 FDE-2.7803 FRA 1.1305 FC3-7.7831 BSP 15227
 BDE 1.7313 BRA .2412 BC3 5.8579 FSP -2060

MID-COURSE EXECUTION ACCURACY

SGT 4875.9 SGR 258.9 SG3 639.4
 RRT .0182 RRF -.0001 RTF .9729
 SGB 4882.7 R23 -.0178 R13 .9729
 SG1 4875.9 SG2 258.9 THA .06

ORBIT DETERMINATION ACCURACY

ST 3120.8 SR 192.0 SS 1901.6
 CRT -.9829 CRS .9639 CST -.9960
 LSA 3656.4 MSA 149.9 SSA 13.3
 EL1 3126.5 EL2 35.3 ALF 176.54

LAUNCH DATE JUN 10 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 484.555

RL 151.88 LAL - .00 LOL 258.45 VL 26.658 GAL 1.33 AZL 93.52 HCA 223.58 SMA 127.98 ECC .18810 INC 3.5204 V1 29.334
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.848 GAP 5.73 AZP 87.45 TAL 174.25 TAP 37.82 RCA 103.91 APO 152.06 V2 35.256
 RC 124.755 GL -30.63 GP 1.47 ZAL 82.56 ZAP 147.80 ETS 3.06 ZAE 133.61 ETE 178.32 ZAC 110.13 ETC 16.46 CLP-147.83

PLANETOCENTRIC CONIC

C3 10.318 VHL 3.212 DLA -26.75 RAL 164.24 RAD 6567.4 VEL 11.476 PTH 1.99 VHP 4.514 DPA 14.44 RAP 157.84 ECC 1.1698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 44 10 1016.26 16.45 331.98 20.33 113.38 10 1 7 416.3 19.48 324.61
 90.00 12 29 9 5764.33 27.04 274.06 23.61 98.74 14 5 13 5164.3 27.97 265.51
 100.00 10 33 25 857.18 14.26 319.24 19.27 116.55 10 47 43 257.2 17.71 312.15
 100.00 14 22 35 5398.65 29.44 247.49 23.94 95.45 15 52 34 4798.6 29.88 238.71
 110.00 10 48 24 810.16 10.15 313.28 16.88 122.82 11 1 54 210.2 14.41 306.76
 110.00 16 24 6 5018.43 34.16 218.82 24.15 88.78 17 47 44 4418.4 33.62 209.62

DIFFERENTIAL CORRECTIONS

TDE-1.8024 TRA .3367 TC3-5.8991 BAU .8145
 RDE .1124 RRA .0469 RC3 -.2585 FAU .08403
 FDE-2.6276 FRA 1.1815 FC3-7.0506 BSP 15694
 BDE 1.8059 BRA .3399 BC3 5.9048 FSP -1934

MID-COURSE EXECUTION ACCURACY

SGT 5015.0 SGR 276.7 SG3 598.9
 RRT .0344 RRF .0174 RTF .9729
 SGB 5022.6 R23 -.0162 R13 .9729
 SG1 5015.0 SG2 276.5 THA .11

ORBIT DETERMINATION ACCURACY

ST 3223.2 SR 202.6 SS 1849.3
 CRT -.9779 CRS .9571 CST -.9962
 LSA 3718.6 MSA 147.0 SSA 14.3
 EL1 3229.2 EL2 42.2 ALF 176.48

LAUNCH DATE JUN 10 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 490.597

RL 151.88 LAL -0.00 LOL 258.45 VL 26.629 GAL 1.59 AZL 93.51 HCA 226.82 SMA 127.79 ECC .19047 INC 3.5066 V1 29.334
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.829 GAP 6.10 AZP 87.60 TAL 173.21 TAP 40.03 RCA 103.45 APO 152.13 V2 35.258
 RC 126.964 GL -30.03 GP 1.34 ZAL 80.50 ZAP 149.75 ETS 2.94 ZAE 132.69 ETE 178.63 ZAC 108.92 ETC 16.18 CLP-149.78

PLANETOCENTRIC CONIC

C3 10.583 VHL 3.253 DLA -27.12 RAL 166.57 RAD 6567.4 VEL 11.488 PTH 2.00 VHP 4.684 DPA 13.85 RAP 159.04 ECC 1.1742
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 43 987.21 17.23 330.20 23.33 112.82 10 20 10 387.2 20.17 322.76
 90.00 12 28 8 5803.61 26.60 276.85 26.31 100.07 14 4 52 5203.6 27.73 268.36
 100.00 10 49 32 839.20 14.81 318.18 22.18 116.27 11 3 31 239.2 18.22 311.05
 100.00 14 25 1 5426.85 29.24 249.56 26.74 96.52 15 55 27 4826.9 29.83 240.81
 110.00 11 1 45 800.84 10.50 312.78 19.68 122.72 11 15 6 200.8 14.74 306.24
 110.00 16 29 17 5037.98 34.18 220.35 27.06 89.68 17 53 15 4438.0 33.76 211.13

DIFFERENTIAL CORRECTIONS

TDE-1.8737 TRA .4478 TC3-5.8944 BAU .8348
 RDE .1204 RRA .0527 RC3 -.2678 FAU .07736
 FDE-2.4815 FRA 1.2347 FC3-6.3286 BSP 16072
 BDE 1.8776 BRA .4509 BC3 5.9005 FSP -1808

MID-COURSE EXECUTION ACCURACY

SGT 5136.5 SGR 293.6 SG3 560.1
 RRT .0404 RRF .0239 RTF .9724
 SGB 5144.9 R23 -.0155 R13 .9724
 SG1 5136.5 SG2 293.4 THA .13

ORBIT DETERMINATION ACCURACY

ST 3312.8 SR 214.4 SS 1794.0
 CRT -.9727 CRS .9502 CST -.9963
 LSA 3770.7 MSA 145.0 SSA 15.2
 EL1 3319.4 EL2 49.7 ALF 176.40

LAUNCH DATE JUN 10 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 496.616

RL 151.88 LAL -0.00 LOL 258.45 VL 26.599 GAL 1.87 AZL 93.49 HCA 230.07 SMA 127.59 ECC .19301 INC 3.4943 V1 29.334
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.809 GAP 6.47 AZP 87.76 TAL 172.15 TAP 42.22 RCA 102.97 APO 152.22 V2 35.259
 RC 129.165 GL -29.40 GP 1.23 ZAL 78.38 ZAP 151.60 ETS 2.83 ZAE 131.86 ETE 178.89 ZAC 107.59 ETC 15.91 CLP-151.62

PLANETOCENTRIC CONIC

C3 10.898 VHL 3.301 DLA -27.47 RAL 168.96 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 4.859 DPA 13.23 RAP 160.34 ECC 1.1793
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 24 45 955.21 18.06 328.22 26.49 112.18 10 40 41 355.2 20.92 320.71
 90.00 12 26 11 5847.56 26.04 279.94 29.10 101.53 14 3 38 5247.6 27.37 271.53
 100.00 11 6 5 821.64 15.33 317.14 25.22 115.98 11 19 47 221.6 18.70 309.97
 100.00 14 27 32 5456.36 28.99 251.72 29.66 97.63 15 58 28 4856.4 29.74 242.99
 110.00 11 15 19 792.67 10.80 312.34 22.60 122.63 11 28 31 192.7 15.02 305.78
 110.00 16 34 48 5058.09 34.18 221.92 30.10 90.61 17 59 6 4458.1 33.89 212.68

DIFFERENTIAL CORRECTIONS

TDE-1.9468 TRA .5658 TC3-5.8658 BAU .8555
 RDE .1295 RRA .0583 RC3 -.2721 FAU .07152
 FDE-2.3509 FRA 1.2795 FC3-5.6815 BSP 16481
 BDE 1.9511 BRA .5688 BC3 5.8721 FSP -1700

MID-COURSE EXECUTION ACCURACY

SGT 5257.5 SGR 309.5 SG3 525.4
 RRT .0385 RRF .0225 RTF .9722
 SGB 5266.6 R23 -.0151 R13 .9722
 SG1 5257.5 SG2 309.3 THA .13

ORBIT DETERMINATION ACCURACY

ST 3397.3 SR 227.4 SS 1742.3
 CRT -.9675 CRS .9438 CST -.9964
 LSA 3822.0 MSA 143.3 SSA 15.9
 EL1 3404.4 EL2 57.4 ALF 176.29

LAUNCH DATE JUN 10 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 502.612

RL 151.88 LAL -0.00 LOL 258.45 VL 26.568 GAL 2.16 AZL 93.48 HCA 233.32 SMA 127.39 ECC .19574 INC 3.4830 V1 29.334
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.787 GAP 6.85 AZP 87.92 TAL 171.06 TAP 44.38 RCA 102.46 APO 152.33 V2 35.259
 RC 131.355 GL -28.72 GP 1.13 ZAL 76.23 ZAP 153.34 ETS 2.72 ZAE 131.12 ETE 179.11 ZAC 106.16 ETC 15.64 CLP-153.36

PLANETOCENTRIC CONIC

C3 11.268 VHL 3.357 DLA -27.80 RAL 171.41 RAD 6567.4 VEL 11.518 PTH 2.01 VHP 5.039 DPA 12.59 RAP 161.74 ECC 1.1854
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 47 49 918.43 18.99 325.92 29.82 111.41 11 3 8 318.4 21.73 318.32
 90.00 12 22 39 610.06 25.31 305.56 31.94 103.15 12 32 49 10.1 26.87 297.24
 100.00 11 22 56 804.92 15.83 316.15 28.38 115.69 11 36 21 204.9 19.16 308.94
 100.00 14 30 13 5486.85 28.69 253.94 32.68 98.76 16 1 40 4886.8 29.61 245.25
 110.00 11 28 58 786.00 11.04 311.98 25.64 122.56 11 42 4 186.0 15.26 305.41
 110.00 16 40 41 5078.54 34.15 223.51 33.25 91.56 18 5 20 4478.5 33.99 214.27

DIFFERENTIAL CORRECTIONS

TDE-2.0197 TRA .6926 TC3-5.8011 BAU .8749
 RDE .1397 RRA .0636 RC3 -.2720 FAU .06609
 FDE-2.2317 FRA 1.3190 FC3-5.0777 BSP 16886
 BDE 2.0246 BRA .6956 BC3 5.8074 FSP -1606

MID-COURSE EXECUTION ACCURACY

SGT 5370.2 SGR 324.4 SG3 493.4
 RRT .0307 RRF .0146 RTF .9721
 SGB 5380.0 R23 -.0154 R13 .9721
 SG1 5370.2 SG2 324.3 THA .11

ORBIT DETERMINATION ACCURACY

ST 3472.6 SR 241.3 SS 1691.9
 CRT -.9624 CRS .9378 CST -.9966
 LSA 3867.7 MSA 141.9 SSA 16.6
 EL1 3480.4 EL2 65.4 ALF 176.17

LAUNCH DATE JUN 10 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 508.584

RL 151.88 LAL -0.00 LOL 258.45 VL 26.537 GAL 2.47 AZL 93.47 HCA 236.57 SMA 127.19 ECC .19866 INC 3.4726 V1 29.334
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.765 GAP 7.23 AZP 88.09 TAL 169.95 TAP 46.52 RCA 101.92 APO 152.46 V2 35.259
 RC 133.537 GL -28.00 GP 1.04 ZAL 74.04 ZAP 154.99 ETS 2.62 ZAE 130.45 ETE 179.30 ZAC 104.64 ETC 15.38 CLP-155.02

PLANETOCENTRIC CONIC

C3 11.701 VHL 3.421 DLA -28.11 RAL 173.90 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 5.224 DPA 11.91 RAP 163.22 ECC 1.1926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 14 47 870.82 20.15 322.90 33.36 110.33 11 29 18 270.8 22.74 315.19
 90.00 12 15 37 673.35 24.26 309.90 34.78 105.08 12 26 50 73.4 26.09 301.71
 100.00 11 39 55 789.48 16.28 315.23 31.65 115.42 11 53 5 189.5 19.57 307.98
 100.00 14 33 9 5517.96 28.35 256.19 35.79 99.90 16 5 7 4918.0 29.43 247.55
 110.00 11 42 35 781.12 11.22 311.71 28.77 122.50 11 55 36 181.1 15.43 305.13
 110.00 16 46 59 5099.09 34.10 225.12 36.52 92.51 18 11 58 4499.1 34.07 215.87

DIFFERENTIAL CORRECTIONS

TDE-2.0881 TRA .8329 TC3-5.6929 BAU .8915
 RDE .1509 RRA .0686 RC3 -.2679 FAU .06084
 FDE-2.1139 FRA 1.3612 FC3-4.5018 BSP 17171
 BDE 2.0935 BRA .8357 BC3 5.6992 FSP -1504

MID-COURSE EXECUTION ACCURACY

SGT 5468.3 SGR 338.3 SG3 462.9
 RRT .0196 RRF .0036 RTF .9717
 SGB 5478.8 R23 -.0154 R13 .9717
 SG1 5468.3 SG2 338.2 THA .07

ORBIT DETERMINATION ACCURACY

ST 3531.5 SR 255.8 SS 1636.7
 CRT -.9573 CRS .9316 CST -.9967
 LSA 3898.1 MSA 141.9 SSA 17.2
 EL1 3540.0 EL2 73.8 ALF 176.03

LAUNCH DATE JUN 10 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 514.531

RL 151.88 LAL -0.00 LOL 258.45 VL 26.505 GAL 2.79 AZL 93.46 HCA 239.82 SMA 126.99 ECC .20179 INC 3.4630 V1 29.334
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.742 GAP 7.61 AZP 88.26 TAL 168.82 TAP 48.63 RCA 101.36 APO 152.61 V2 35.257
 RC 135.709 GL -27.24 GP .97 ZAL 71.83 ZAP 156.57 ETS 2.52 ZAE 129.85 ETE 179.45 ZAC 103.04 ETC 15.12 CLP-156.59

PLANETOCENTRIC CONIC

C3 12.203 VHL 3.493 DLA -28.38 RAL 176.44 RAD 6567.5 VEL 11.558 PTH 2.02 VHP 5.416 DPA 11.21 RAP 164.78 ECC 1.2008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 88.09 11 39 11 833.16 22.20 320.92 37.34 108.14 11 53 4 233.2 24.48 312.98
 91.91 12 11 25 728.69 22.21 313.28 37.34 108.12 12 23 34 128.7 24.49 305.34
 100.00 11 56 50 775.89 16.68 314.41 35.02 115.17 12 9 46 175.9 19.93 307.13
 100.00 14 36 27 5549.23 27.96 258.43 38.99 101.02 16 8 57 4949.2 29.20 249.84
 110.00 11 56 2 778.39 11.32 311.56 31.98 122.47 12 9 1 178.4 15.53 304.98
 110.00 16 53 44 5119.50 34.03 226.71 39.89 93.44 18 19 4 4519.5 34.13 217.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.1588 TRA .9803 TC3-5.5635 BAU .9086 SGT 5566.4 SGR 351.1 SG3 435.4 ST 3584.8 SR 270.7 SS 1585.4
 RDE .1631 RRA .0731 RC3 -.2604 FAU .05617 RRT .0045 RRF -.0116 RTF .9715 CRT -.9524 CRS .9261 CST -.9968
 FDE-2.0095 FRA 1.3966 FC3-3.9850 BSP 17518 SGB 5577.5 R23 -.0160 R13 .9715 LSA 3926.5 MSA 142.3 SSA 17.6
 BDE 2.1649 BRA .9830 BC3 5.5696 FSP -1421 SG1 5566.4 SG2 351.1 THA .02 EL1 3594.1 EL2 82.3 ALF 175.88

LAUNCH DATE JUN 10 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 520.450

RL 151.88 LAL -0.00 LOL 258.45 VL 26.473 GAL 3.14 AZL 93.45 HCA 243.06 SMA 126.78 ECC .20513 INC 3.4541 V1 29.334
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.717 GAP 8.00 AZP 88.43 TAL 167.67 TAP 50.73 RCA 100.77 APO 152.78 V2 35.255
 RC 137.871 GL -26.45 GP .91 ZAL 69.60 ZAP 158.07 ETS 2.43 ZAE 129.31 ETE 179.59 ZAC 101.37 ETC 14.88 CLP-158.09

PLANETOCENTRIC CONIC

C3 12.782 VHL 3.575 DLA -28.61 RAL 179.00 RAD 6567.5 VEL 11.583 PTH 2.03 VHP 5.613 DPA 10.48 RAP 166.39 ECC 1.2104
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.73 11 29 45 906.61 22.17 326.29 40.65 108.57 11 44 52 306.6 24.50 318.37
 94.27 12 41 16 675.01 22.18 309.33 40.66 108.55 12 52 31 75.0 24.51 301.41
 100.00 12 13 26 764.77 17.00 313.74 38.46 114.96 12 26 11 164.8 20.22 306.43
 100.00 14 40 16 5580.12 27.54 260.63 42.27 102.10 16 13 16 4980.1 28.93 252.10
 110.00 12 9 13 778.07 11.33 311.54 35.26 122.47 12 22 11 178.1 15.54 304.96
 110.00 17 0 59 5139.58 33.94 228.27 43.35 94.36 18 26 38 4539.6 34.17 219.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2282 TRA 1.1377 TC3-5.4045 BAU .9245 SGT 5656.7 SGR 363.0 SG3 409.7 ST 3626.7 SR 286.0 SS 1534.1
 RDE .1765 RRA .0771 RC3 -.2500 FAU .05182 RRT -.0131 RRF -.0295 RTF .9713 CRT -.9477 CRS .9209 CST -.9970
 FDE-1.9118 FRA 1.4290 FC3-3.5096 BSP 17849 SGB 5668.4 R23 .0167 R13 -.9713 LSA 3945.5 MSA 143.5 SSA 17.8
 BDE 2.2352 BRA 1.1403 BC3 5.4103 FSP -1344 SG1 5656.7 SG2 362.9 THA 179.95 EL1 3636.8 EL2 91.0 ALF 175.72

LAUNCH DATE JUN 10 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 526.341

RL 151.88 LAL -0.00 LOL 258.45 VL 26.440 GAL 3.50 AZL 93.45 HCA 246.31 SMA 126.57 ECC .20871 INC 3.4456 V1 29.334
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.692 GAP 8.40 AZP 88.61 TAL 166.50 TAP 52.81 RCA 100.15 APO 152.99 V2 35.253
 RC 140.023 GL -25.63 GP .85 ZAL 67.38 ZAP 159.51 ETS 2.34 ZAE 128.81 ETE 179.70 ZAC 99.64 ETC 14.65 CLP-159.53

PLANETOCENTRIC CONIC

C3 13.448 VHL 3.667 DLA -28.81 RAL 181.57 RAD 6567.5 VEL 11.612 PTH 2.03 VHP 5.818 DPA 9.73 RAP 168.07 ECC 1.2213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.49 11 29 48 950.54 22.07 329.48 44.04 108.99 11 45 39 350.5 24.46 321.58
 95.51 13 1 44 653.00 22.08 307.68 44.04 108.98 13 12 37 53.0 24.47 299.79
 100.00 12 29 29 756.84 17.23 313.26 41.97 114.81 12 42 6 156.8 20.43 305.93
 100.00 14 44 44 5609.98 27.10 262.74 45.63 103.13 16 18 14 5010.0 28.64 254.27
 110.00 12 21 59 780.43 11.25 311.67 38.60 122.49 12 34 59 180.4 15.45 305.10
 110.00 17 8 43 5159.15 33.83 229.79 46.89 95.26 18 34 42 4559.1 34.18 220.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2954 TRA 1.3067 TC3-5.2183 BAU .9391 SGT 5739.2 SGR 373.8 SG3 385.8 ST 3655.7 SR 301.4 SS 1481.6
 RDE .1909 RRA .0804 RC3 -.2371 FAU .04775 RRT -.0326 RRF -.0490 RTF .9711 CRT -.9430 CRS .9157 CST -.9971
 FDE-1.8186 FRA 1.4608 FC3-3.0737 BSP 18145 SGB 5751.3 R23 .0172 R13 -.9711 LSA 3953.3 MSA 145.8 SSA 17.9
 BDE 2.3033 BRA 1.3092 BC3 5.2237 FSP -1271 SG1 5739.2 SG2 373.6 THA 179.88 EL1 3666.7 EL2 100.0 ALF 175.55

LAUNCH DATE JUN 10 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 532.201

RL 151.88 LAL -0.00 LOL 258.45 VL 26.407 GAL 3.88 AZL 93.44 HCA 249.56 SMA 126.36 ECC .21255 INC 3.4375 V1 29.334
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.665 GAP 8.81 AZP 88.80 TAL 165.32 TAP 54.88 RCA 99.50 APO 153.22 V2 35.249
 RC 142.165 GL -24.78 GP .80 ZAL 65.15 ZAP 160.89 ETS 2.27 ZAE 128.37 ETE 179.79 ZAC 97.84 ETC 14.44 CLP-160.91

PLANETOCENTRIC CONIC

C3 14.210 VHL 3.770 DLA -28.96 RAL 184.14 RAD 6567.6 VEL 11.645 PTH 2.04 VHP 6.029 DPA 8.95 RAP 169.79 ECC 1.2339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.68 11 33 28 983.88 21.91 331.87 47.49 109.42 11 49 52 383.9 24.36 324.00
 96.32 13 18 34 643.83 21.92 306.95 47.49 109.40 13 29 18 43.8 24.37 299.08
 100.00 12 44 38 752.95 17.34 313.02 45.52 114.74 12 57 11 152.9 20.53 305.69
 100.00 14 50 5 5638.03 26.65 264.70 49.05 104.07 16 24 3 5038.0 28.32 256.30
 110.00 12 34 14 785.68 11.05 311.96 41.98 122.55 12 47 20 185.7 15.27 305.39
 110.00 17 16 59 5178.06 33.70 231.25 50.50 96.11 18 43 17 4578.1 34.18 222.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.3619 TRA 1.4869 TC3-5.0102 BAU .9527 SGT 5816.1 SGR 383.7 SG3 363.7 ST 3674.3 SR 316.6 SS 1430.5
 RDE .2063 RRA .0830 RC3 -.2223 FAU .04397 RRT -.0538 RRF -.0703 RTF .9709 CRT -.9384 CRS .9107 CST -.9972
 FDE-1.7324 FRA 1.4909 FC3-2.6791 BSP 18429 SGB 5828.7 R23 .0179 R13 -.9709 LSA 3952.8 MSA 148.8 SSA 17.9
 BDE 2.3709 BRA 1.4892 BC3 5.0151 FSP -1204 SG1 5816.1 SG2 383.2 THA 179.80 EL1 3686.3 EL2 109.0 ALF 175.37

LAUNCH DATE JUN 10 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 538.028

RL 151.88 LAL -0.00 LOL 258.45 VL 26.374 GAL 4.28 AZL 93.43 HCA 252.80 SMA 126.15 ECC .21665 INC 3.4298 V1 29.334
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.638 GAP 9.22 AZP 88.99 TAL 164.13 TAP 56.93 RCA 98.82 APO 153.48 V2 35.245
 RC 144.295 GL -23.90 GP .75 ZAL 62.95 ZAP 162.22 ETS 2.20 ZAE 127.96 ETE 179.86 ZAC 96.00 ETC 14.23 CLP-162.23

PLANETOCENTRIC CONIC

C3 15.081 VHL 3.883 DLA -29.07 RAL 186.70 RAD 6567.6 VEL 11.682 PTH 2.05 VHP 6.249 DPA 8.16 RAP 171.55 ECC 1.2482
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.15 11 39 29 1010.62 21.69 333.76 50.99 109.84 11 56 19 410.6 24.20 325.92
 96.85 13 32 59 643.55 21.70 306.84 51.00 109.83 13 43 42 43.5 24.21 299.01
 100.00 12 58 36 753.97 17.31 313.09 49.09 114.76 13 11 10 154.0 20.50 305.75
 100.00 14 56 32 5663.47 26.22 266.47 52.54 104.90 16 30 56 5063.5 28.01 258.12
 110.00 12 45 54 793.98 10.75 312.41 45.39 122.65 12 59 8 194.0 14.98 305.86
 110.00 17 25 44 5196.23 33.56 232.65 54.17 96.93 18 52 20 4596.2 34.15 223.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4240 TRA 1.6819 TC3-4.7747 BAU .9636 SGT 5882.4 SGR 392.6 SG3 342.9 ST 3678.0 SR 331.5 SS 1377.8
 RDE .2228 RRA .0848 RC3 -.2062 FAU .04030 RRT -.0758 RRF -.0922 RTF .9706 CRT -.9336 CRS .9054 CST -.9973
 FDE-1.6484 FRA 1.5228 FC3-2.3134 BSP 18628 SGB 5895.4 R23 .0183 R13 -.9706 LSA 3938.5 MSA 153.0 SSA 17.7
 BDE 2.4342 BRA 1.6840 BC3 4.7792 FSP -1136 SG1 5882.4 SG2 391.5 THA 179.71 EL1 3691.0 EL2 118.3 ALF 175.19

LAUNCH DATE JUN 10 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 543.819

RL 151.88 LAL -0.00 LOL 258.45 VL 26.341 GAL 4.70 AZL 93.42 HCA 256.05 SMA 125.94 ECC .22105 INC 3.4223 V1 29.334
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.610 GAP 9.65 AZP 89.17 TAL 162.93 TAP 58.98 RCA 98.10 APO 153.78 V2 35.240
 RC 146.414 GL -23.01 GP .72 ZAL 60.77 ZAP 163.50 ETS 2.14 ZAE 127.59 ETE 179.92 ZAC 94.10 ETC 14.04 CLP-163.52

PLANETOCENTRIC CONIC

C3 16.075 VHL 4.009 DLA -29.13 RAL 189.23 RAD 6567.6 VEL 11.724 PTH 2.07 VHP 6.478 DPA 7.34 RAP 173.35 ECC 1.2646
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.86 11 47 15 1032.58 21.40 335.26 54.54 110.25 12 4 27 432.6 23.96 327.46
 97.14 13 45 26 650.40 21.41 307.23 54.54 110.24 13 56 17 50.4 23.97 299.43
 100.00 13 11 4 760.76 17.12 313.50 52.65 114.89 13 23 45 160.8 20.33 306.18
 100.00 15 4 18 5685.49 25.82 267.98 56.10 105.61 16 39 3 5085.5 27.71 259.69
 110.00 12 56 53 805.44 10.33 313.03 48.81 122.77 13 10 18 205.4 14.58 306.50
 110.00 17 34 59 5213.59 33.41 233.98 57.90 97.70 19 1 52 4613.6 34.11 224.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4870 TRA 1.8863 TC3-4.5307 BAU .9745 SGT 5945.9 SGR 400.6 SG3 323.7 ST 3674.2 SR 345.9 SS 1327.7
 RDE .2402 RRA .0856 RC3 -.1891 FAU .03698 RRT -.0994 RRF -.1155 RTF .9704 CRT -.9290 CRS .9005 CST -.9974
 FDE-1.5718 FRA 1.5513 FC3-1.9916 BSP 18874 SGB 5959.4 R23 .0187 R13 -.9704 LSA 3918.8 MSA 157.6 SSA 17.4
 BDE 2.4985 BRA 1.8883 BC3 4.5347 FSP -1077 SG1 5946.0 SG2 398.6 THA 179.61 EL1 3688.3 EL2 127.5 ALF 175.00

LAUNCH DATE JUN 10 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 549.571

RL 151.88 LAL -0.00 LOL 258.45 VL 26.307 GAL 5.15 AZL 93.42 HCA 259.29 SMA 125.73 ECC .22577 INC 3.4151 V1 29.334
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.581 GAP 10.09 AZP 89.36 TAL 161.72 TAP 61.01 RCA 97.34 APO 154.12 V2 35.234
 RC 148.521 GL -22.10 GP .68 ZAL 58.62 ZAP 164.74 ETS 2.10 ZAE 127.25 ETE 179.97 ZAC 92.17 ETC 13.87 CLP-164.76

PLANETOCENTRIC CONIC

C3 17.207 VHL 4.148 DLA -29.15 RAL 191.73 RAD 6567.7 VEL 11.772 PTH 2.08 VHP 6.716 DPA 6.50 RAP 175.18 ECC 1.2832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.77 11 56 29 1050.57 21.04 336.44 58.11 110.66 12 13 59 450.6 23.66 328.69
 97.23 13 56 9 663.62 21.05 308.07 58.11 110.64 14 7 13 63.6 23.67 300.31
 100.00 13 21 49 773.86 16.74 314.29 56.19 115.13 13 34 43 173.9 19.99 307.00
 100.00 15 13 30 5703.60 25.48 269.22 59.72 106.18 16 48 34 5103.6 27.46 260.98
 110.00 13 7 8 820.09 9.79 313.82 52.23 122.92 13 20 48 220.1 14.06 307.32
 110.00 17 44 41 5230.13 33.25 235.25 61.66 98.44 19 11 51 4630.1 34.06 226.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5488 TRA 2.1037 TC3-4.2740 BAU .9840 SGT 6003.1 SGR 407.6 SG3 305.8 ST 3660.8 SR 359.6 SS 1278.9
 RDE .2587 RRA .0854 RC3 -.1716 FAU .03386 RRT -.1241 RRF -.1399 RTF .9702 CRT -.9244 CRS .8957 CST -.9975
 FDE-1.5003 FRA 1.5789 FC3-1.7036 BSP 19096 SGB 6016.9 R23 .0191 R13 -.9703 LSA 3891.0 MSA 162.7 SSA 17.1
 BDE 2.5619 BRA 2.1054 BC3 4.2775 FSP -1022 SG1 6003.3 SG2 404.5 THA 179.52 EL1 3675.9 EL2 136.6 ALF 174.80

LAUNCH DATE JUN 10 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 555.280

RL 151.88 LAL -0.00 LOL 258.45 VL 26.273 GAL 5.62 AZL 93.41 HCA 262.53 SMA 125.52 ECC .23084 INC 3.4080 V1 29.334
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.552 GAP 10.55 AZP 89.56 TAL 160.50 TAP 63.04 RCA 96.54 APO 154.49 V2 35.228
 RC 150.615 GL -21.19 GP .65 ZAL 56.51 ZAP 165.95 ETS 2.08 ZAE 126.93 ETE 180.01 ZAC 90.21 ETC 13.72 CLP-165.97

PLANETOCENTRIC CONIC

C3 18.496 VHL 4.301 DLA -29.13 RAL 194.19 RAD 6567.7 VEL 11.827 PTH 2.09 VHP 6.966 DPA 5.65 RAP 177.04 ECC 1.3044
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.87 12 7 4 1064.84 20.62 337.33 61.70 111.05 12 24 48 464.8 23.30 329.61
 97.13 14 5 10 682.97 20.63 309.32 61.71 111.03 14 16 33 83.0 23.31 301.61
 100.00 13 30 47 793.38 16.17 315.46 59.69 115.49 13 44 0 193.4 19.47 308.22
 100.00 15 24 8 5717.70 25.21 270.18 63.40 106.61 16 59 26 5117.7 27.25 261.97
 110.00 13 16 37 837.92 9.13 314.78 55.64 123.09 13 30 35 237.9 13.42 308.31
 110.00 17 54 46 5245.92 33.08 236.45 65.46 99.13 19 22 12 4645.9 33.99 227.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6090 TRA 2.3346 TC3-4.0079 BAU .9918 SGT 6053.4 SGR 413.7 SG3 289.1 ST 3637.8 SR 372.4 SS 1231.3
 RDE .2780 RRA .0841 RC3 -.1540 FAU .03092 RRT -.1495 RRF -.1648 RTF .9701 CRT -.9197 CRS .8907 CST -.9975
 FDE-1.4330 FRA 1.6065 FC3-1.4473 BSP 19303 SGB 6067.5 R23 .0193 R13 -.9701 LSA 3854.9 MSA 168.2 SSA 16.7
 BDE 2.6238 BRA 2.3361 BC3 4.0109 FSP -971 SG1 6053.7 SG2 409.1 THA 179.41 EL1 3653.9 EL2 145.6 ALF 174.61

LAUNCH DATE JUN 10 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 560.942

RL 151.88 LAL -0.00 LOL 258.45 VL 26.240 GAL 6.12 AZL 93.40 HCA 265.78 SMA 125.31 ECC .23629 INC 3.4010 V1 29.334
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.522 GAP 11.03 AZP 89.75 TAL 159.28 TAP 65.06 RCA 95.70 APO 154.92 V2 35.221
 RC 152.696 GL -20.27 GP .62 ZAL 54.45 ZAP 167.13 ETS 2.08 ZAE 126.64 ETE 180.04 ZAC 88.21 ETC 13.58 CLP-167.14

PLANETOCENTRIC CONIC

C3 19.962 VHL 4.468 DLA -29.07 RAL 196.59 RAD 6567.8 VEL 11.889 PTH 2.11 VHP 7.228 DPA 4.78 RAP 178.92 ECC 1.3285
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.16 12 18 58 1075.37 20.13 337.90 65.31 111.42 12 36 53 475.4 22.86 330.23
 96.84 14 12 25 708.48 20.14 311.00 65.31 111.41 14 24 13 108.5 22.87 303.33
 100.00 13 38 2 818.91 15.42 316.98 63.14 115.93 13 51 41 218.9 18.78 309.80
 100.00 15 36 2 5728.22 25.01 270.90 67.14 106.93 17 11 30 5128.2 27.09 262.71
 110.00 13 25 21 858.85 8.35 315.89 59.04 123.27 13 39 40 258.9 12.67 309.46
 110.00 18 5 13 5261.04 32.92 237.60 69.29 99.79 19 32 54 4661.0 33.92 228.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6654 TRA 2.5830 TC3-3.7310 BAU .9964 SGT 6095.9 SGR 418.9 SG3 273.5 ST 3603.6 SR 384.2 SS 1184.4
 RDE .2982 RRA .0815 RC3 -.1368 FAU .02805 RRT -.1750 RRF -.1894 RTF .9699 CRT -.9146 CRS .8853 CST -.9976
 FDE-1.3680 FRA 1.6362 FC3-1.2167 BSP 19419 SGB 6110.3 R23 .0191 R13 -.9700 LSA 3808.6 MSA 174.4 SSA 16.3
 BDE 2.6820 BRA 2.5843 BC3 3.7335 FSP -918 SG1 6096.3 SG2 412.4 THA 179.31 EL1 3620.7 EL2 154.6 ALF 174.42

LAUNCH DATE JUN 10 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 566.550

RL 151.88 LAL -0.00 LOL 258.45 VL 26.206 GAL 6.65 AZL 93.39 HCA 269.02 SMA 125.10 ECC .24215 INC 3.3940 V1 29.334
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.491 GAP 11.52 AZP 89.94 TAL 158.06 TAP 67.08 RCA 94.81 APO 155.39 V2 35.214
 RC 154.762 GL -19.35 GP .59 ZAL 52.44 ZAP 168.28 ETS 2.11 ZAE 126.36 ETE 180.06 ZAC 86.19 ETC 13.47 CLP-168.29

PLANETOCENTRIC CONIC

C3 21.630 VHL 4.651 DLA -28.96 RAL 198.93 RAD 6567.9 VEL 11.959 PTH 2.13 VHP 7.503 DPA 3.90 RAP 180.83 ECC 1.3560
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.65 12 32 17 1081.78 19.58 338.14 68.91 111.78 12 50 19 481.8 22.37 330.52
 96.35 14 17 46 740.55 19.59 313.13 68.92 111.76 14 30 6 140.6 22.38 305.51
 100.00 13 43 48 849.73 14.49 318.80 66.53 116.43 13 57 58 249.7 17.92 311.69
 100.00 15 48 55 5735.87 24.85 271.41 70.92 107.17 17 24 31 5135.9 26.97 263.25
 110.00 13 33 18 882.77 7.45 317.17 62.40 123.46 13 48 1 282.8 11.80 310.77
 110.00 18 15 55 5275.59 32.74 238.70 73.13 100.42 19 43 50 4675.6 33.83 229.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7247 TRA 2.8424 TC3-3.4601 BAU 1.0012 SGT 6135.4 SGR 423.3 SG3 259.0 ST 3566.3 SR 394.8 SS 1141.1
 RDE .3193 RRA .0775 RC3 -.1201 FAU .02547 RRT -.2018 RRF -.2152 RTF .9699 CRT -.9098 CRS .8803 CST -.9977
 FDE-1.3099 FRA 1.6636 FC3-1.0193 BSP 19613 SGB 6150.0 R23 .0190 R13 -.9700 LSA 3760.8 MSA 180.4 SSA 15.9
 BDE 2.7434 BRA 2.8434 BC3 3.4622 FSP -874 SG1 6136.0 SG2 414.5 THA 179.20 EL1 3584.4 EL2 163.0 ALF 174.24

LAUNCH DATE JUN 10 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 572.100

RL 151.88 LAL -0.00 LOL 258.45 VL 26.172 GAL 7.22 AZL 93.39 HCA 272.26 SMA 124.89 ECC .24847 INC 3.3872 V1 29.334
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.460 GAP 12.04 AZP 90.13 TAL 156.85 TAP 69.10 RCA 93.86 APO 155.93 V2 35.205
 RC 156.813 GL -18.44 GP .57 ZAL 50.49 ZAP 169.40 ETS 2.18 ZAE 126.09 ETE 180.07 ZAC 84.15 ETC 13.37 CLP-169.42

PLANETOCENTRIC CONIC

C3 23.530 VHL 4.851 DLA -28.82 RAL 201.20 RAD 6568.0 VEL 12.038 PTH 2.15 VHP 7.793 DPA 3.01 RAP 182.75 ECC 1.3872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.39 12 47 19 1082.92 18.97 337.96 72.51 112.11 13 5 22 482.9 21.81 330.40
 95.61 14 20 50 780.29 18.99 315.80 72.52 112.10 14 33 50 180.3 21.82 308.23
 100.00 13 48 19 884.96 13.41 320.86 69.87 116.97 14 3 4 285.0 16.92 313.83
 100.00 16 2 31 5741.53 24.74 271.80 74.74 107.34 17 38 13 5141.5 26.88 263.65
 110.00 13 40 31 909.51 6.44 318.58 65.74 123.64 13 55 40 309.5 10.82 312.23
 110.00 18 26 49 5289.74 32.56 239.76 76.99 101.03 19 54 58 4689.7 33.74 230.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7835 TRA 3.1182 TC3-3.1890 BAU 1.0037 SGT 6168.8 SGR 426.7 SG3 245.5 ST 3522.6 SR 404.1 SS 1100.0
 RDE .3412 RRA .0722 RC3 -.1042 FAU .02301 RRT -.2290 RRF -.2414 RTF .9700 CRT -.9048 CRS .8752 CST -.9978
 FDE-1.2558 FRA 1.6917 FC3 -.8467 BSP 19776 SGB 6183.5 R23 .0187 R13 -.9701 LSA 3707.7 MSA 186.3 SSA 15.5
 BDE 2.8043 BRA 3.1190 BC3 3.1907 FSP -832 SG1 6169.5 SG2 415.3 THA 179.09 EL1 3541.5 EL2 171.1 ALF 174.06

LAUNCH DATE JUN 10 1967

FLIGHT TIME 204.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 577.584

RL 151.88 LAL -0.00 LOL 258.45 VL 26.139 GAL 7.81 AZL 93.38 HCA 275.49 SMA 124.69 ECC .25530 INC 3.3802 V1 29.334
 RP 107.67 LAP 3.36 LOP 173.95 VP 37.428 GAP 12.58 AZP 90.32 TAL 155.63 TAP 71.13 RCA 92.85 APO 156.52 V2 35.197
 RC 158.850 GL -17.53 GP .55 ZAL 48.60 ZAP 170.51 ETS 2.30 ZAE 125.84 ETE 180.07 ZAC 82.09 ETC 13.29 CLP-170.52

PLANETOCENTRIC CONIC

C3 25.695 VHL 5.069 DLA -28.65 RAL 203.39 RAD 6568.0 VEL 12.127 PTH 2.17 VHP 8.101 DPA 2.11 RAP 184.68 ECC 1.4229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.47 13 4 57 1075.90 18.31 337.16 76.10 112.43 13 22 53 475.9 21.19 329.65
 94.53 14 20 42 830.58 18.32 319.20 76.10 112.41 14 34 33 230.6 21.20 311.69
 100.00 13 51 48 923.77 12.20 323.11 73.15 117.50 14 7 12 323.8 15.79 316.15
 100.00 16 16 32 5745.98 24.65 272.10 78.57 107.47 17 52 18 5146.0 26.81 263.96
 110.00 13 47 0 938.90 5.33 320.13 69.04 123.81 14 2 39 338.9 9.74 313.81
 110.00 18 37 50 5303.62 32.38 240.80 80.85 101.62 20 6 13 4703.6 33.64 231.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8420 TRA 3.4113 TC3-2.9204 BAU 1.0037 SGT 6195.9 SGR 429.3 SG3 232.9 ST 3473.4 SR 411.9 SS 1061.3
 RDE .3637 RRA .0653 RC3 -.0895 FAU .02067 RRT -.2566 RRF -.2676 RTF .9702 CRT -.8997 CRS .8700 CST -.9978
 FDE-1.2055 FRA 1.7208 FC3 -.6965 BSP 19916 SGB 6210.7 R23 .0181 R13 -.9702 LSA 3650.1 MSA 192.2 SSA 15.0
 BDE 2.8652 BRA 3.4119 BC3 2.9218 FSP -792 SG1 6196.9 SG2 414.9 THA 178.98 EL1 3493.1 EL2 178.8 ALF 173.89

LAUNCH DATE JUN 10 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 582.993

RL 151.88 LAL -.00 LOL 258.45 VL 26.105 GAL 8.45 AZL 93.37 HCA 278.73 SMA 124.48 ECC .26267 INC 3.3732 V1 29.334
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.396 GAP 13.15 AZP 90.51 TAL 154.43 TAP 73.16 RCA 91.78 APO 157.18 V2 35.187
 RC 160.871 GL -16.64 GP .53 ZAL 46.78 ZAP 171.60 ETS 2.48 ZAE 125.59 ETE 180.07 ZAC 80.02 ETC 13.24 CLP-171.62

PLANETOCENTRIC CONIC

C3 28.166 VHL 5.307 DLA -28.44 RAL 205.51 RAD 6568.1 VEL 12.229 PTH 2.20 VHP 8.427 DPA 1.21 RAP 186.62 ECC 1.4635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.24 13 28 3 1051.25 17.59 335.04 79.66 112.72 13 45 34 451.3 20.52 327.58
 92.76 14 14 28 900.82 17.60 324.04 79.67 112.70 14 29 29 300.8 20.53 316.58
 100.00 13 54 29 965.44 10.88 325.50 76.39 118.01 14 10 34 365.4 14.54 318.62
 100.00 16 30 43 5749.91 24.57 272.36 82.41 107.59 18 6 33 5149.9 26.74 264.23
 110.00 13 52 48 970.73 4.13 321.81 72.30 123.96 14 8 58 370.7 8.56 315.52
 110.00 18 48 54 5317.37 32.18 241.83 84.70 102.20 20 17 31 4717.4 33.53 232.85

DIFFERENTIAL CORRECTIONS

TDE-2.8973 TRA 3.7263 TC3-2.6522 BAU .9991
 RDE .3868 RRA .0567 RC3 -.0760 FAU .01835
 FDE-1.1570 FRA 1.7530 FC3 -.5641 BSP 19953
 BDE 2.9230 BRA 3.7267 BC3 2.6533 FSP -750

MID-COURSE EXECUTION ACCURACY

SGT 6216.1 SGR 431.0 SG3 221.1
 RRT -.2840 RRF -.2934 RTF .9704
 SGB 6231.0 R23 .0172 R13 -.9704
 SG1 6217.3 SG2 413.2 THA 178.87

ORBIT DETERMINATION ACCURACY

ST 3416.9 SR 418.2 SS 1023.9
 CRT -.8941 CRS .8642 CST -.9979
 LSA 3585.9 MSA 198.0 SSA 14.6
 EL1 3437.3 EL2 186.2 ALF 173.74

LAUNCH DATE JUN 10 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 588.317

RL 151.88 LAL -.00 LOL 258.45 VL 26.072 GAL 9.13 AZL 93.37 HCA 281.96 SMA 124.28 ECC .27067 INC 3.3661 V1 29.334
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.364 GAP 13.75 AZP 90.70 TAL 153.24 TAP 75.20 RCA 90.64 APO 157.92 V2 35.178
 RC 162.878 GL -15.75 GP .51 ZAL 45.02 ZAP 172.68 ETS 2.76 ZAE 125.35 ETE 180.06 ZAC 77.94 ETC 13.20 CLP-172.70

PLANETOCENTRIC CONIC

C3 30.989 VHL 5.567 DLA -28.20 RAL 207.53 RAD 6568.2 VEL 12.344 PTH 2.23 VHP 8.775 DPA .30 RAP 188.57 ECC 1.5100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 37 5 1072.20 14.91 335.36 82.33 114.35 13 54 57 472.2 18.08 328.11
 90.00 14 21 37 927.71 18.76 326.50 84.04 111.61 14 37 5 327.7 21.53 318.92
 100.00 13 56 29 1009.41 9.46 327.99 79.57 118.49 14 13 18 409.4 13.20 321.19
 100.00 16 44 54 5753.78 24.49 272.62 86.24 107.70 18 20 48 5153.8 26.68 264.50
 110.00 13 57 57 1004.82 2.83 323.59 75.51 124.08 14 14 41 404.8 7.28 317.34
 110.00 18 59 56 5331.14 31.98 242.85 88.55 102.77 20 28 47 4731.1 33.41 233.91

DIFFERENTIAL CORRECTIONS

TDE-2.9589 TRA 4.0563 TC3-2.3987 BAU .9941
 RDE .4106 RRA .0464 RC3 -.0637 FAU .01626
 FDE-1.1152 FRA 1.7842 FC3 -.4543 BSP 20083
 BDE 2.9873 BRA 4.0566 BC3 2.3996 FSP -715

MID-COURSE EXECUTION ACCURACY

SGT 6232.9 SGR 432.0 SG3 210.1
 RRT -.3124 RRF -.3202 RTF .9709
 SGB 6247.9 R23 .0164 R13 -.9709
 SG1 6234.4 SG2 410.2 THA 178.75

ORBIT DETERMINATION ACCURACY

ST 3361.7 SR 423.0 SS 991.0
 CRT -.8889 CRS .8591 CST -.9980
 LSA 3524.3 MSA 203.1 SSA 14.2
 EL1 3382.7 EL2 192.6 ALF 173.60

LAUNCH DATE JUN 10 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 593.542

RL 151.88 LAL -.00 LOL 258.45 VL 26.039 GAL 9.86 AZL 93.36 HCA 285.19 SMA 124.08 ECC .27935 INC 3.3587 V1 29.334
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.331 GAP 14.40 AZP 90.88 TAL 152.07 TAP 77.26 RCA 89.42 APO 158.74 V2 35.167
 RC 164.869 GL -14.89 GP .50 ZAL 43.34 ZAP 173.75 ETS 3.20 ZAE 125.11 ETE 180.05 ZAC 75.85 ETC 13.20 CLP-173.77

PLANETOCENTRIC CONIC

C3 34.224 VHL 5.850 DLA -27.94 RAL 209.47 RAD 6568.3 VEL 12.474 PTH 2.26 VHP 9.146 DPA -.61 RAP 190.53 ECC 1.5632
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 26 32 1156.76 12.48 340.38 85.06 115.63 13 45 48 556.8 15.83 333.30
 90.00 14 47 39 893.17 19.61 324.33 88.24 110.84 15 2 32 293.2 22.27 316.66
 100.00 13 57 55 1055.23 7.97 330.57 82.70 118.91 14 15 31 455.2 11.76 323.84
 100.00 16 58 56 5757.96 24.40 272.90 90.05 107.82 18 34 54 5158.0 26.61 264.80
 110.00 14 2 28 1040.95 1.45 325.48 78.69 124.16 14 19 49 440.9 5.92 319.25
 110.00 19 10 53 5345.01 31.77 243.88 92.38 103.34 20 39 58 4745.0 33.27 234.97

DIFFERENTIAL CORRECTIONS

TDE-3.0215 TRA 4.4081 TC3-2.1525 BAU .9852
 RDE .4349 RRA .0342 RC3 -.0528 FAU .01424
 FDE-1.0767 FRA 1.8175 FC3 -.3602 BSP 20178
 BDE 3.0527 BRA 4.4082 BC3 2.1532 FSP -681

MID-COURSE EXECUTION ACCURACY

SGT 6243.6 SGR 432.1 SG3 199.8
 RRT -.3409 RRF -.3470 RTF .9715
 SGB 6258.5 R23 .0153 R13 -.9715
 SG1 6245.3 SG2 406.1 THA 178.64

ORBIT DETERMINATION ACCURACY

ST 3303.4 SR 426.1 SS 960.6
 CRT -.8836 CRS .8539 CST -.9981
 LSA 3460.3 MSA 207.6 SSA 13.7
 EL1 3324.8 EL2 198.3 ALF 173.47

LAUNCH DATE JUN 10 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 598.655

RL 151.88 LAL -.00 LOL 258.45 VL 26.006 GAL 10.63 AZL 93.35 HCA 288.42 SMA 123.88 ECC .28879 INC 3.3512 V1 29.334
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.298 GAP 15.08 AZP 91.06 TAL 150.92 TAP 79.34 RCA 88.10 APO 159.66 V2 35.156
 RC 166.846 GL -14.04 GP .48 ZAL 41.73 ZAP 174.82 ETS 3.87 ZAE 124.86 ETE 180.04 ZAC 73.77 ETC 13.21 CLP-174.85

PLANETOCENTRIC CONIC

C3 37.938 VHL 6.159 DLA -27.65 RAL 211.32 RAD 6568.5 VEL 12.622 PTH 2.29 VHP 9.545 DPA -1.51 RAP 192.49 ECC 1.6244
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 20 37 1226.30 10.40 344.42 87.91 116.49 13 41 3 626.3 13.87 337.47
 90.00 15 8 19 875.68 20.03 323.21 92.24 110.44 15 22 55 275.7 22.64 315.51
 100.00 13 58 53 1102.57 6.40 333.21 85.78 119.26 14 17 16 502.6 10.25 326.54
 100.00 17 12 44 5762.68 24.30 273.22 93.85 107.96 18 48 46 5162.7 26.53 265.12
 110.00 14 6 25 1078.93 -.01 327.46 81.81 124.18 14 24 24 478.9 4.48 321.24
 110.00 19 21 41 5359.09 31.54 244.91 96.18 103.92 20 51 0 4759.1 33.13 236.05

DIFFERENTIAL CORRECTIONS

TDE-3.0870 TRA 4.7831 TC3-1.9168 BAU .9725
 RDE .4596 RRA .0200 RC3 -.0433 FAU .01231
 FDE-1.0421 FRA 1.8532 FC3 -.2808 BSP 20267
 BDE 3.1210 BRA 4.7831 BC3 1.9173 FSP -650

MID-COURSE EXECUTION ACCURACY

SGT 6249.2 SGR 431.4 SG3 190.2
 RRT -.3695 RRF -.3739 RTF .9722
 SGB 6264.1 R23 .0141 R13 -.9723
 SG1 6251.2 SG2 400.7 THA 178.53

ORBIT DETERMINATION ACCURACY

ST 3243.7 SR 427.6 SS 933.3
 CRT -.8782 CRS .8488 CST -.9982
 LSA 3395.7 MSA 211.5 SSA 13.3
 EL1 3265.5 EL2 203.1 ALF 173.37

LAUNCH DATE JUN 10 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 603.637

RL 151.88 LAL -.00 LOL 258.45 VL 25.973 GAL 11.47 AZL 93.34 HCA 291.65 SMA 123.68 ECC .29909 INC 3.3434 V1 29.334
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.264 GAP 15.81 AZP 91.24 TAL 149.80 TAP 81.45 RCA 86.69 APO 160.68 V2 35.145
 RC 168.808 GL -13.21 GP .47 ZAL 40.20 ZAP 175.89 ETS 4.98 ZAE 124.60 ETE 180.02 ZAC 71.69 ETC 13.26 CLP-175.92

PLANETOCENTRIC CONIC

C3 42.216 VHL 6.497 DLA -27.34 RAL 213.08 RAD 6568.6 VEL 12.790 PTH 2.33 VHP 9.975 DPA -2.41 RAP 194.45 ECC 1.6948
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 16 15 1290.66 8.42 348.12 90.78 117.14 13 37 46 690.7 11.99 341.26
 90.00 15 26 41 865.28 20.28 322.55 96.14 110.20 15 41 6 265.3 22.85 314.82
 100.00 13 59 26 1151.15 4.78 335.90 88.81 119.54 14 18 37 551.1 8.67 329.28
 100.00 17 26 11 5768.07 24.19 273.58 97.60 108.12 19 2 19 5168.1 26.44 265.50
 110.00 14 9 48 1118.56 -1.52 329.52 84.90 124.15 14 28 27 518.6 2.97 323.32
 110.00 19 32 18 5373.42 31.30 245.96 99.95 104.49 21 1 52 4773.4 32.97 237.13

DIFFERENTIAL CORRECTIONS

TDE-3.1520 TRA 5.1872 TC3-1.6883 BAU .9531
 RDE .4846 RRA .0036 RC3 -.0352 FAU .01035
 FDE-1.0093 FRA 1.8933 FC3 -.2123 BSP 20235
 BDE 3.1891 BRA 5.1873 BC3 1.6887 FSP -616

MID-COURSE EXECUTION ACCURACY

SGT 6249.5 SGR 429.8 SG3 181.3
 RRT -.3979 RRF -.4003 RTF .9731
 SGB 6264.3 R23 .0126 R13 -.9731
 SG1 6251.9 SG2 394.2 THA 178.43

ORBIT DETERMINATION ACCURACY

ST 3180.7 SR 427.3 SS 908.1
 CRT -.8726 CRS .8433 CST -.9983
 LSA 3328.3 MSA 214.8 SSA 12.9
 EL1 3202.6 EL2 207.3 ALF 173.29

LAUNCH DATE JUN 10 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 608.464

RL 151.88 LAL -.00 LOL 258.45 VL 25.941 GAL 12.37 AZL 93.34 HCA 294.88 SMA 123.49 ECC .31036 INC 3.3353 V1 29.334
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.231 GAP 16.60 AZP 91.40 TAL 148.72 TAP 83.59 RCA 85.17 APO 161.82 V2 35.134
 RC 170.755 GL -12.40 GP .46 ZAL 38.75 ZAP 176.96 ETS 6.98 ZAE 124.33 ETE 179.99 ZAC 69.62 ETC 13.33 CLP-177.00

PLANETOCENTRIC CONIC

C3 47.160 VHL 6.867 DLA -27.01 RAL 214.74 RAD 6568.8 VEL 12.982 PTH 2.37 VHP 10.440 DPA -3.30 RAP 196.40 ECC 1.7761
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 12 37 1352.44 6.49 351.63 93.64 117.62 13 35 9 752.4 10.13 344.85
 90.00 15 43 33 859.20 20.42 322.16 99.95 110.05 15 57 52 259.2 22.97 314.42
 100.00 13 59 34 1200.75 3.11 338.63 91.78 119.75 14 19 35 600.7 7.04 332.06
 100.00 17 39 17 5774.16 24.06 273.98 101.32 108.30 19 15 31 5174.2 26.34 265.92
 110.00 14 12 39 1159.66 -3.09 331.67 87.93 124.06 14 31 59 559.7 1.40 325.47
 110.00 19 42 41 5388.01 31.05 247.02 103.68 105.07 21 12 29 4788.0 32.80 238.24

DIFFERENTIAL CORRECTIONS

TDE-3.2266 TRA 5.6142 TC3-1.4762 BAU .9309
 RDE .5101 RRA -.0148 RC3 -.0283 FAU .00856
 FDE -.9825 FRA 1.9346 FC3 -.1571 BSP 20308
 BDE 3.2667 BRA 5.6142 BC3 1.4765 FSP -589

MID-COURSE EXECUTION ACCURACY

SGT 6244.9 SGR 427.6 SG3 172.8
 RRT -.4269 RRF -.4275 RTF .9742
 SGB 6259.5 R23 .0111 R13 -.9742
 SG1 6247.6 SG2 386.5 THA 178.32

ORBIT DETERMINATION ACCURACY

ST 3120.7 SR 425.6 SS 887.2
 CRT -.8675 CRS .8388 CST -.9984
 LSA 3264.9 MSA 217.0 SSA 12.5
 EL1 3142.5 EL2 210.2 ALF 173.22

LAUNCH DATE JUN 10 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 613.110

RL 151.88 LAL -.00 LOL 258.45 VL 25.909 GAL 13.35 AZL 93.33 HCA 298.10 SMA 123.30 ECC .32271 INC 3.3267 V1 29.334
 RP 107.90 LAP 2.93 LOP 196.59 VP 37.198 GAP 17.45 AZP 91.57 TAL 147.68 TAP 85.78 RCA 83.51 APO 163.10 V2 35.122
 RC 172.686 GL -11.60 GP .45 ZAL 37.38 ZAP 178.04 ETS 11.38 ZAE 124.04 ETE 179.97 ZAC 67.57 ETC 13.42 CLP-178.09

PLANETOCENTRIC CONIC

C3 52.897 VHL 7.273 DLA -26.66 RAL 216.30 RAD 6568.9 VEL 13.201 PTH 2.41 VHP 10.946 DPA -4.18 RAP 198.35 ECC 1.8705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 9 19 1412.73 4.57 355.02 96.46 117.98 13 32 52 812.7 8.28 348.31
 90.00 15 59 17 856.13 20.49 321.96 103.68 109.98 16 13 33 256.1 23.03 314.21
 100.00 13 59 20 1251.19 1.40 341.41 94.71 119.86 14 20 11 651.2 5.36 334.86
 100.00 17 51 57 5780.94 23.91 274.43 104.97 108.49 19 28 18 5180.9 26.22 266.39
 110.00 14 14 59 1202.06 -4.70 333.89 90.91 123.90 14 35 1 602.1 -2.22 327.68
 110.00 19 52 47 5402.84 30.78 248.09 107.35 105.66 21 22 50 4802.8 32.62 239.36

DIFFERENTIAL CORRECTIONS

TDE-3.3068 TRA 6.0721 TC3-1.2758 BAU .9024
 RDE .5358 RRA -.0357 RC3 -.0227 FAU .00679
 FDE -.9595 FRA 1.9799 FC3 -.1111 BSP 20364
 BDE 3.3500 BRA 6.0722 BC3 1.2760 FSP -563

MID-COURSE EXECUTION ACCURACY

SGT 6235.3 SGR 424.6 SG3 164.9
 RRT -.4558 RRF -.4548 RTF .9755
 SGB 6249.8 R23 .0096 R13 -.9755
 SG1 6238.3 SG2 377.7 THA 178.22

ORBIT DETERMINATION ACCURACY

ST 3060.7 SR 422.2 SS 869.6
 CRT -.8626 CRS .8345 CST -.9985
 LSA 3202.3 MSA 218.2 SSA 12.0
 EL1 3082.4 EL2 212.1 ALF 173.18

LAUNCH DATE JUN 10 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 617.540

RL 151.88 LAL -.00 LOL 258.45 VL 25.878 GAL 14.41 AZL 93.32 HCA 301.32 SMA 123.12 ECC .33630 INC 3.3176 V1 29.334
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.165 GAP 18.38 AZP 91.73 TAL 146.69 TAP 88.01 RCA 81.71 APO 164.52 V2 35.110
 RC 174.603 GL -10.83 GP .44 ZAL 36.10 ZAP 179.09 ETS 26.80 ZAE 123.73 ETE 179.94 ZAC 65.53 ETC 13.55 CLP-179.20

PLANETOCENTRIC CONIC

C3 59.583 VHL 7.719 DLA -26.29 RAL 217.75 RAD 6569.1 VEL 13.451 PTH 2.46 VHP 11.497 DPA -5.05 RAP 200.28 ECC 1.9806
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 6 9 1472.07 2.67 358.35 99.24 118.20 13 30 41 872.1 6.42 351.67
 90.00 16 14 4 855.32 20.51 321.91 107.33 109.96 16 28 19 255.3 23.05 314.16
 100.00 13 58 43 1302.32 -3.34 344.21 97.57 119.89 14 20 25 702.3 3.64 337.68
 100.00 18 4 11 5788.34 23.75 274.92 108.56 108.70 19 40 39 5188.3 26.09 266.90
 110.00 14 16 48 1245.56 -6.35 336.19 93.84 123.66 14 37 34 645.6 -1.88 329.95
 110.00 20 2 35 5417.86 30.50 249.17 110.94 106.24 21 32 53 4817.9 32.42 240.48

DIFFERENTIAL CORRECTIONS

TDE-3.3937 TRA 6.5647 TC3-1.0876 BAU .8665
 RDE .5618 RRA -.0590 RC3 -.0182 FAU .00503
 FDE -.9401 FRA 2.0299 FC3 -.0731 BSP 20389
 BDE 3.4399 BRA 6.5650 BC3 1.0877 FSP -538

MID-COURSE EXECUTION ACCURACY

SGT 6221.1 SGR 420.8 SG3 157.5
 RRT -.4847 RRF -.4822 RTF .9770
 SGB 6235.3 R23 .0080 R13 -.9770
 SG1 6224.4 SG2 367.9 THA 178.12

ORBIT DETERMINATION ACCURACY

ST 3001.1 SR 417.3 SS 855.2
 CRT -.8579 CRS .8306 CST -.9986
 LSA 3140.7 MSA 218.4 SSA 11.6
 EL1 3022.5 EL2 212.9 ALF 173.16

LAUNCH DATE JUN 11 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 20 1967

HELIOCENTRIC CONIC

DISTANCE 155.262

RL 151.90 LAL -.00 LOL 259.41 VL 21.696 GAL 3.08 AZL 93.49 HCA 60.81 SMA 103.95 ECC .46369 INC 3.4892 V1 29.331
 RP 108.93 LAP -3.05 LOP 320.17 VP 34.057 GAP -27.50 AZP 91.70 TAL 176.43 TAP 237.24 RCA 55.75 APO 152.15 V2 34.787
 RC 45.125 GL -9.64 GP -.38 ZAL 82.93 ZAP 16.27 ETS 179.29 ZAE 168.57 ETE 115.26 ZAC 108.41 ETC 15.47 CLP 16.27

PLANETOCENTRIC CONIC

C3 62.052 VHL 7.877 DLA -7.48 RAL 173.02 RAD 6569.2 VEL 13.543 PTH 2.48 VHP 16.343 DPA 11.90 RAP 159.34 ECC 2.0212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 58 2261.58 -20.68 44.48 51.59 109.78 7 12 40 1661.6 -17.80 36.99
 90.00 16 40 29 5373.57 27.85 245.65 57.56 84.64 18 10 3 4773.6 26.81 237.14
 100.00 7 52 43 2010.76 -22.06 25.49 51.05 110.70 8 26 14 1410.8 -19.05 17.99
 100.00 18 5 25 5099.63 29.31 225.34 57.39 83.85 19 30 25 4499.6 28.15 216.73
 110.00 8 52 46 1822.77 -25.75 9.59 49.42 113.30 9 23 9 1222.8 -22.37 2.07
 110.00 19 21 52 4860.38 33.26 206.58 56.80 81.60 20 42 52 4260.4 31.74 197.68

DIFFERENTIAL CORRECTIONS

TDE .4436 TRA -.9861 TC3 -.0196 BAU .0525
 RDE -.5338 RRA -.2468 RC3 .0602 FAU .01756
 FDE -.3149 FRA .4057 FC3 -.2450 BSP 2093
 BDE .6941 BRA 1.0165 BC3 .0633 FSP -100

MID-COURSE EXECUTION ACCURACY

SGT 792.7 SGR 438.8 SG3 46.5
 RRT .0079 RRF -.0067 RTF -.6496
 SGB 906.0 R23 .0007 R13 -.6496
 SG1 792.7 SG2 438.8 THA .36

ORBIT DETERMINATION ACCURACY

ST 388.8 SR 392.1 SS 347.5
 CRT -.7444 CRS -.8711 CST .9746
 LSA 620.3 MSA 201.8 SSA 14.5
 EL1 515.7 EL2 197.4 ALF 134.68

LAUNCH DATE JUN 11 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 161.724

RL 151.90 LAL -.00 LOL 259.41 VL 22.160 GAL 2.89 AZL 93.48 HCA 63.97 SMA 105.64 ECC .44027 INC 3.4766 V1 29.331
 RP 108.93 LAP -3.12 LOP 323.34 VP 34.357 GAP -26.06 AZP 91.53 TAL 176.32 TAP 240.29 RCA 59.13 APO 152.14 V2 34.790
 RC 44.335 GL -10.42 GP -.39 ZAL 82.87 ZAP 14.63 ETS 178.99 ZAE 169.07 ETE 102.80 ZAC 106.95 ETC 15.26 CLP 14.63

PLANETOCENTRIC CONIC

C3 55.048 VHL 7.419 DLA -8.23 RAL 172.77 RAD 6569.0 VEL 13.282 PTH 2.43 VHP 15.550 DPA 11.32 RAP 160.78 ECC 1.9059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 51 2208.25 -19.41 41.08 49.19 111.03 7 16 39 1608.2 -16.38 33.72
 90.00 16 33 38 5368.36 27.81 245.27 55.45 84.46 18 3 7 4768.4 26.75 236.77
 100.00 7 57 13 1958.68 -20.77 22.16 48.63 112.00 8 29 51 1358.7 -17.60 14.80
 100.00 17 58 58 5093.16 29.26 224.86 55.27 83.60 19 23 51 4493.2 28.07 216.26
 110.00 8 56 22 1773.43 -24.38 6.41 46.94 114.73 9 25 56 1173.4 -20.84 359.06
 110.00 19 16 18 4851.17 33.16 205.88 54.66 81.20 20 37 9 4251.2 31.59 197.01

DIFFERENTIAL CORRECTIONS

TDE .4442 TRA -.9661 TC3 -.0033 BAU .0504
 RDE -.5054 RRA -.2321 RC3 .0684 FAU .01825
 FDE -.3327 FRA .4128 FC3 -.2870 BSP 2233
 BDE .6728 BRA .9936 BC3 .0685 FSP -112

MID-COURSE EXECUTION ACCURACY

SGT 828.2 SGR 442.1 SG3 51.2
 RRT .0059 RRF -.0050 RTF -.6700
 SGB 938.8 R23 .0005 R13 -.6700
 SG1 828.2 SG2 442.1 THA .25

ORBIT DETERMINATION ACCURACY

ST 410.8 SR 394.1 SS 369.1
 CRT -.7510 CRS -.8771 CST .9741
 LSA 647.0 MSA 203.8 SSA 14.8
 EL1 532.7 EL2 200.7 ALF 136.59

LAUNCH DATE JUN 11 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 168.232

RL 151.90 LAL -.00 LOL 259.41 VL 22.590 GAL 2.68 AZL 93.46 HCA 67.13 SMA 107.28 ECC .41811 INC 3.4647 V1 29.331
 RP 108.92 LAP -3.19 LOP 326.50 VP 34.639 GAP -24.70 AZP 91.35 TAL 176.26 TAP 243.40 RCA 62.42 APO 152.13 V2 34.793
 RC 43.707 GL -11.24 GP -.41 ZAL 82.93 ZAP 12.99 ETS 178.62 ZAE 169.06 ETE 89.25 ZAC 105.48 ETC 15.06 CLP 12.98

PLANETOCENTRIC CONIC

C3 48.925 VHL 6.995 DLA -8.97 RAL 172.40 RAD 6568.8 VEL 13.049 PTH 2.38 VHP 14.790 DPA 10.74 RAP 162.21 ECC 1.8052
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 9 2155.28 -18.09 37.76 46.73 112.17 7 20 5 1555.3 -14.92 30.51
 90.00 16 26 21 5362.78 27.78 244.87 53.19 84.26 17 55 44 4762.8 26.69 236.37
 100.00 8 1 8 1906.97 -19.42 18.92 46.15 113.18 8 32 55 1307.0 -16.11 11.68
 100.00 17 52 4 5086.32 29.21 224.36 53.01 83.34 19 16 51 4486.3 27.98 215.77
 110.00 8 59 25 1724.46 -22.95 3.33 44.41 116.05 9 28 9 1124.5 -19.26 356.14
 110.00 19 10 17 4841.59 33.06 205.15 52.39 80.78 20 30 58 4241.6 31.44 196.30

DIFFERENTIAL CORRECTIONS

TDE .4461 TRA -.9445 TC3 .0180 BAU .0519
 RDE -.4780 RRA -.2179 RC3 .0773 FAU .01903
 FDE -.3523 FRA .4189 FC3 -.3368 BSP 2384
 BDE .6538 BRA .9693 BC3 .0794 FSP -126

MID-COURSE EXECUTION ACCURACY

SGT 864.7 SGR 444.6 SG3 56.4
 RRT .0030 RRF -.0026 RTF -.6900
 SGB 972.3 R23 .0003 R13 -.6900
 SG1 864.7 SG2 444.6 THA .12

ORBIT DETERMINATION ACCURACY

ST 434.5 SR 395.3 SS 392.4
 CRT -.7590 CRS -.8837 CST .9739
 LSA 675.9 MSA 204.8 SSA 15.1
 EL1 551.2 EL2 202.9 ALF 138.55

LAUNCH DATE JUN 11 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 174.782

RL 151.90 LAL -.00 LOL 259.41 VL 22.987 GAL 2.46 AZL 93.45 HCA 70.30 SMA 108.87 ECC .39717 INC 3.4534 V1 29.331
 RP 108.90 LAP -3.25 LOP 329.67 VP 34.903 GAP -23.40 AZP 91.17 TAL 176.26 TAP 246.56 RCA 65.63 APO 152.11 V2 34.797
 RC 43.245 GL -12.10 GP -.43 ZAL 83.12 ZAP 11.35 ETS 178.17 ZAE 168.50 ETE 75.95 ZAC 104.02 ETC 14.88 CLP 11.34

PLANETOCENTRIC CONIC

C3 43.573 VHL 6.601 DLA -9.68 RAL 171.90 RAD 6568.7 VEL 12.843 PTH 2.34 VHP 14.062 DPA 10.16 RAP 163.63 ECC 1.7171
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 52 2102.94 -16.71 34.53 44.22 113.20 7 22 55 1502.9 -13.43 27.40
 90.00 16 18 38 5356.98 27.74 244.45 50.81 84.05 17 47 55 4757.0 26.62 235.96
 100.00 8 4 27 1855.89 -18.02 15.77 43.62 114.26 8 35 23 1255.9 -14.59 8.65
 100.00 17 44 45 5079.27 29.15 223.84 50.63 83.08 19 9 24 4479.3 27.89 215.27
 110.00 9 1 51 1676.11 -21.48 .35 41.84 117.26 9 29 47 1076.1 -17.65 353.31
 110.00 19 3 49 4831.81 32.95 204.41 49.99 80.35 20 24 21 4231.8 31.27 195.59

DIFFERENTIAL CORRECTIONS

TDE .4477 TRA -.9226 TC3 .0439 BAU .0568
 RDE -.4517 RRA -.2041 RC3 .0870 FAU .01989
 FDE -.3730 FRA .4245 FC3 -.3952 BSP 2521
 BDE .6360 BRA .9449 BC3 .0974 FSP -142

MID-COURSE EXECUTION ACCURACY

SGT 902.4 SGR 446.3 SG3 62.1
 RRT .0007 RRF -.0005 RTF -.7087
 SGB 1006.8 R23 .0002 R13 -.7087
 SG1 902.4 SG2 446.3 THA .03

ORBIT DETERMINATION ACCURACY

ST 458.7 SR 395.7 SS 416.7
 CRT -.7668 CRS -.8902 CST .9736
 LSA 705.9 MSA 205.3 SSA 15.4
 EL1 570.4 EL2 204.3 ALF 140.47

LAUNCH DATE JUN 11 1967

FLIGHT TIME '78.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 181.369

RL 151.90 LAL -.00 LOL 259.41 VL 23.355 GAL 2.23 AZL 93.44 HCA 73.46 SMA 110.41 ECC .37745 INC 3.4424 V1 29.331
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.151 GAP -22.16 AZP 90.98 TAL 176.32 TAP 249.78 RCA 68.74 APO 152.09 V2 34.801
 RC 42.956 GL -12.98 GP -.45 ZAL 83.43 ZAP 9.69 ETS 177.58 ZAE 167.41 ETE 64.13 ZAC 102.57 ETC 14.71 CLP 9.68

PLANETOCENTRIC CONIC

C3 38.896 VHL 6.237 DLA -10.38 RAL 171.26 RAD 6568.5 VEL 12.660 PTH 2.30 VHP 13.363 OPA 9.57 RAP 165.04 ECC 1.6401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 58 2051.51 -15.31 31.41 41.66 114.12 7 25 9 1451.5 -11.92 24.37
 90.00 16 10 30 5351.12 27.69 244.03 48.32 83.84 17 39 41 4751.1 26.55 235.55
 100.00 8 7 9 1805.71 -16.59 12.73 41.05 115.23 8 37 15 1205.7 -13.05 5.72
 100.00 17 37 0 5072.15 29.09 223.32 48.14 82.81 19 1 32 4472.1 27.79 214.76
 110.00 9 3 42 1628.65 -19.97 357.50 39.25 118.34 9 30 50 1028.7 -16.03 350.59
 110.00 18 56 56 4821.98 32.84 203.66 47.48 79.92 20 17 18 4222.0 31.10 194.87

DIFFERENTIAL CORRECTIONS

TOE .4503 TRA -.8993 TC3 .0758 BAU .0641
 RDE -.4264 RRA -.1908 RC3 .0973 FAU .02084
 FDE -.3957 FRA .4289 FC3 -.4638 BSP 2673
 BDE .6202 BRA .9193 BC3 .1233 FSP -159

MID-COURSE EXECUTION ACCURACY

SGT 941.0 SGR 447.2 SG3 68.4
 RRT -.0023 RRF .0024 RTF -.7266
 SGB 1041.8 R23 -.0002 R13 .7266
 SG1 941.0 SG2 447.2 THA 179.92

ORBIT DETERMINATION ACCURACY

ST 484.4 SR 395.4 SS 442.5
 CRT -.7758 CRS -.8970 CST .9734
 LSA 738.0 MSA 204.9 SSA 15.7
 EL1 590.9 EL2 204.5 ALF 142.38

LAUNCH DATE JUN 11 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 187.987

RL 151.90 LAL -.00 LOL 259.41 VL 23.694 GAL 1.99 AZL 93.43 HCA 76.62 SMA 111.90 ECC .35891 INC 3.4319 V1 29.331
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.383 GAP -20.98 AZP 90.79 TAL 176.43 TAP 253.05 RCA 71.74 APO 152.06 V2 34.806
 RC 42.841 GL -13.90 GP -.48 ZAL 83.87 ZAP 8.03 ETS 176.76 ZAE 165.92 ETE 54.32 ZAC 101.12 ETC 14.55 CLP 8.01

PLANETOCENTRIC CONIC

C3 34.813 VHL 5.900 DLA -11.05 RAL 170.50 RAD 6568.4 VEL 12.497 PTH 2.26 VHP 12.692 OPA 8.97 RAP 166.43 ECC 1.5729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 25 2001.29 -13.89 28.41 39.06 114.93 7 26 46 1401.3 -10.41 21.45
 90.00 16 1 57 5345.30 27.65 243.61 45.74 83.63 17 31 3 4745.3 26.48 235.14
 100.00 8 9 13 1756.74 -15.14 9.81 38.44 116.08 8 38 30 1156.7 -11.51 2.90
 100.00 17 28 51 5065.08 29.03 222.81 45.55 82.54 18 53 16 4465.1 27.69 214.26
 110.00 9 4 54 1582.35 -18.45 354.77 36.63 119.30 9 31 17 982.4 -14.41 347.99
 110.00 18 49 39 4812.23 32.72 202.93 44.87 79.50 20 9 51 4212.2 30.93 194.17

DIFFERENTIAL CORRECTIONS

TOE .4542 TRA -.8742 TC3 .1153 BAU .0736
 RDE -.4024 RRA -.1779 RC3 .1082 FAU .02192
 FDE -.4209 FRA .4320 FC3 -.5452 BSP 2828
 BDE .6068 BRA .8922 BC3 .1581 FSP -179

MID-COURSE EXECUTION ACCURACY

SGT 980.4 SGR 447.2 SG3 75.5
 RRT -.0062 RRF .0059 RTF -.7441
 SGB 1077.6 R23 -.0001 R13 .7441
 SG1 980.4 SG2 447.2 THA 179.79

ORBIT DETERMINATION ACCURACY

ST 511.8 SR 394.3 SS 470.2
 CRT -.7861 CRS -.9041 CST .9735
 LSA 772.6 MSA 203.4 SSA 16.1
 EL1 613.2 EL2 203.4 ALF 144.27

LAUNCH DATE JUN 11 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 194.632

RL 151.90 LAL -.00 LOL 259.41 VL 24.008 GAL 1.76 AZL 93.42 HCA 79.79 SMA 113.33 ECC .34154 INC 3.4216 V1 29.331
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.599 GAP -19.85 AZP 90.61 TAL 176.60 TAP 256.39 RCA 74.62 APO 152.04 V2 34.812
 RC 42.900 GL -14.84 GP -.50 ZAL 84.43 ZAP 6.35 ETS 175.53 ZAE 164.16 ETE 46.44 ZAC 99.70 ETC 14.40 CLP 6.33

PLANETOCENTRIC CONIC

C3 31.251 VHL 5.590 DLA -11.69 RAL 169.61 RAD 6568.2 VEL 12.354 PTH 2.23 VHP 12.048 OPA 8.37 RAP 167.80 ECC 1.5143
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 55 13 1952.56 -12.47 25.53 36.43 115.63 7 27 46 1352.6 -8.92 18.65
 90.00 15 53 3 5339.62 27.61 243.20 43.07 83.43 17 22 3 4739.6 26.41 234.73
 100.00 8 10 38 1709.25 -13.70 7.02 35.81 116.83 8 39 7 1109.2 -9.99 .19
 100.00 17 20 19 5058.16 28.97 222.30 42.88 82.28 18 44 37 4458.2 27.60 213.77
 110.00 9 5 28 1537.50 -16.94 352.17 33.99 120.15 9 31 6 937.5 -12.80 345.50
 110.00 18 41 58 4802.68 32.60 202.21 42.19 79.09 20 2 1 4202.7 30.75 193.48

DIFFERENTIAL CORRECTIONS

TOE .4580 TRA -.8489 TC3 .1613 BAU .0839
 RDE -.3795 RRA -.1656 RC3 .1196 FAU .02313
 FDE -.4483 FRA .4343 FC3 -.6409 BSP 2981
 BDE .5948 BRA .8649 BC3 .2008 FSP -201

MID-COURSE EXECUTION ACCURACY

SGT 1020.9 SGR 446.4 SG3 83.4
 RRT -.0098 RRF .0095 RTF -.7601
 SGB 1114.2 R23 -.0003 R13 .7601
 SG1 1020.9 SG2 446.4 THA 179.70

ORBIT DETERMINATION ACCURACY

ST 539.8 SR 392.5 SS 499.5
 CRT -.7963 CRS -.9111 CST .9736
 LSA 808.7 MSA 201.5 SSA 16.4
 EL1 636.3 EL2 201.4 ALF 146.08

LAUNCH DATE JUN 11 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 201.299

RL 151.90 LAL -.00 LOL 259.41 VL 24.297 GAL 1.52 AZL 93.41 HCA 82.96 SMA 114.70 ECC .32529 INC 3.4115 V1 29.331
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.801 GAP -18.76 AZP 90.42 TAL 176.84 TAP 259.79 RCA 77.39 APO 152.01 V2 34.819
 RC 43.133 GL -15.81 GP -.53 ZAL 85.12 ZAP 4.65 ETS 173.41 ZAE 162.24 ETE 40.19 ZAC 98.29 ETC 14.26 CLP 4.62

PLANETOCENTRIC CONIC

C3 28.146 VHL 5.305 DLA -12.31 RAL 168.59 RAD 6568.1 VEL 12.228 PTH 2.20 VHP 11.431 OPA 7.78 RAP 169.15 ECC 1.4632
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 20 1905.63 -11.07 22.79 33.78 116.23 7 28 6 1305.6 -7.46 15.98
 90.00 15 43 49 5334.13 27.56 242.80 40.34 83.24 17 12 43 4734.1 26.34 234.35
 100.00 8 11 23 1663.53 -12.28 4.37 33.15 117.47 8 39 6 1063.5 -8.51 357.61
 100.00 17 11 28 5051.46 28.91 221.81 40.14 82.03 18 35 39 4451.5 27.50 213.29
 110.00 9 5 24 1494.36 -15.44 349.72 31.33 120.88 9 30 18 894.4 -11.24 343.14
 110.00 18 33 56 4793.39 32.48 201.51 39.44 78.70 19 53 50 4193.4 30.58 192.81

DIFFERENTIAL CORRECTIONS

TOE .4629 TRA -.8220 TC3 .2153 BAU .0949
 RDE -.3579 RRA -.1539 RC3 .1314 FAU .02448
 FDE -.4788 FRA .4351 FC3 -.7529 BSP 3136
 BDE .5851 BRA .8363 BC3 .2522 FSP -225

MID-COURSE EXECUTION ACCURACY

SGT 1062.0 SGR 444.7 SG3 92.1
 RRT -.0145 RRF .0141 RTF -.7754
 SGB 1151.3 R23 -.0005 R13 .7754
 SG1 1062.0 SG2 444.7 THA 179.58

ORBIT DETERMINATION ACCURACY

ST 569.5 SR 389.9 SS 530.7
 CRT -.8075 CRS -.9183 CST .9738
 LSA 847.5 MSA 198.7 SSA 16.8
 EL1 661.1 EL2 198.1 ALF 147.83

LAUNCH DATE JUN 11 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 207.985

RL 151.90 LAL -.00 LOL 259.41 VL 24.564 GAL 1.29 AZL 93.40 HCA 86.12 SMA 116.00 ECC .31015 INC 3.4015 V1 29.331
 RP 108.81 LAP -3.39 LOP 345.53 VP 35.990 GAP -17.73 AZP 90.23 TAL 177.12 TAP 263.25 RCA 80.03 APO 151.98 V2 34.826
 RC 43.534 GL -16.79 GP -.56 ZAL 85.92 ZAP 2.94 ETS 168.81 ZAE 160.26 ETE 35.19 ZAC 96.91 ETC 14.14 CLP 2.88

PLANETOCENTRIC CONIC

C3 25.444 VHL 5.044 DLA -12.89 RAL 167.46 RAD 6568.0 VEL 12.117 PTH 2.17 VHP 10.838 DPA 7.19 RAP 170.46 ECC 1.4187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 47 1860.79 -9.71 20.20 31.11 116.73 7 27 47 1260.8 -6.05 13.44
 90.00 15 34 19 5328.87 27.52 242.42 37.56 83.05 17 3 8 4728.9 26.27 233.98
 100.00 8 11 27 1619.88 -10.90 1.87 30.48 118.01 8 38 27 1019.9 -7.07 355.17
 100.00 17 2 20 5045.01 28.84 221.34 37.36 81.79 18 26 25 4445.0 27.41 212.84
 110.00 9 4 40 1453.21 -13.99 347.41 28.67 121.51 9 28 53 853.2 -9.72 340.91
 110.00 18 25 37 4784.44 32.36 200.84 36.64 78.32 19 45 21 4184.4 30.41 192.17

DIFFERENTIAL CORRECTIONS

TOE .4661 TRA -.7961 TC3 .2744 BAU .1053
 RDE -.3375 RRA -.1427 RC3 .1433 FAU .02597
 FDE -.5118 FRA .4354 FC3 -.8837 BSP 3251
 BDE .5754 BRA .8088 BC3 .3096 FSP -252

MID-COURSE EXECUTION ACCURACY

SGT 1103.4 SGR 442.2 SG3 101.9
 RRT -.0179 RRF .0185 RTF -.7881
 SGB 1188.7 R23 -.0018 R13 .7881
 SG1 1103.4 SG2 442.1 THA 179.51

ORBIT DETERMINATION ACCURACY

ST 598.1 SR 386.6 SS 563.2
 CRT -.8174 CRS -.9252 CST .9737
 LSA 886.4 MSA 196.1 SSA 17.2
 EL1 685.2 EL2 194.4 ALF 149.43

LAUNCH DATE JUN 11 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 214.686

RL 151.90 LAL -.00 LOL 259.41 VL 24.810 GAL 1.06 AZL 93.39 HCA 89.29 SMA 117.25 ECC .29606 INC 3.3916 V1 29.331
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.165 GAP -16.73 AZP 90.04 TAL 177.47 TAP 266.76 RCA 82.54 APO 151.96 V2 34.834
 RC 44.099 GL -17.78 GP -.60 ZAL 86.83 ZAP 1.26 ETS 151.43 ZAE 158.29 ETE 31.16 ZAC 95.56 ETC 14.03 CLP 1.11

PLANETOCENTRIC CONIC

C3 23.094 VHL 4.806 DLA -13.43 RAL 166.21 RAD 6567.9 VEL 12.020 PTH 2.15 VHP 10.269 DPA 6.60 RAP 171.74 ECC 1.3801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 56 31 1818.33 -8.40 17.77 28.43 117.14 7 26 49 1218.3 -4.70 11.05
 90.00 15 24 38 5323.79 27.48 242.06 34.74 82.88 16 53 21 4723.8 26.21 233.62
 100.00 8 10 49 1578.56 -9.57 359.52 27.81 118.46 8 37 8 978.6 -5.69 352.88
 100.00 16 53 0 5038.79 28.78 220.89 34.54 81.56 18 16 59 4438.8 27.32 212.40
 110.00 9 3 16 1414.30 -12.60 345.26 26.01 122.04 9 26 50 814.3 -8.27 338.83
 110.00 18 17 2 4775.82 32.23 200.20 33.81 77.95 19 36 38 4175.8 30.24 191.55

DIFFERENTIAL CORRECTIONS

TOE .4711 TRA -.7675 TC3 .3439 BAU .1165
 RDE -.3184 RRA -.1321 RC3 .1550 FAU .02766
 FDE -.5487 FRA .4333 FC3-1.0367 BSP 3399
 BDE .5686 BRA .7788 BC3 .3773 FSP -283

MID-COURSE EXECUTION ACCURACY

SGT 1144.5 SGR 438.7 SG3 112.8
 RRT -.0231 RRF .0242 RTF -.8011
 SGB 1225.7 R23 -.0025 R13 .8012
 SG1 1144.5 SG2 438.6 THA 179.40

ORBIT DETERMINATION ACCURACY

ST 628.7 SR 382.7 SS 598.0
 CRT -.8290 CRS -.9322 CST .9740
 LSA 928.4 MSA 192.5 SSA 17.5
 EL1 711.2 EL2 189.2 ALF 150.98

LAUNCH DATE JUN 11 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 221.396

RL 151.90 LAL -.00 LOL 259.41 VL 25.035 GAL .84 AZL 93.38 HCA 92.46 SMA 118.43 ECC .28299 INC 3.3817 V1 29.331
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.329 GAP -15.78 AZP 89.85 TAL 177.87 TAP 270.33 RCA 84.91 APO 151.94 V2 34.842
 RC 44.820 GL -18.77 GP -.64 ZAL 87.84 ZAP .95 ETS 42.30 ZAE 156.39 ETE 27.85 ZAC 94.25 ETC 13.93 CLP -.70

PLANETOCENTRIC CONIC

C3 21.055 VHL 4.589 DLA -13.94 RAL 164.86 RAD 6567.9 VEL 11.935 PTH 2.12 VHP 9.723 DPA 6.02 RAP 172.98 ECC 1.3465
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 55 33 1778.50 -7.16 15.50 25.76 117.47 7 25 11 1178.5 -3.42 8.82
 90.00 15 14 49 5318.88 27.44 241.70 31.91 82.70 16 43 28 4718.9 26.14 233.28
 100.00 8 9 31 1539.83 -8.30 357.34 25.14 118.82 8 35 11 939.8 -4.39 350.73
 100.00 16 43 32 5032.78 28.72 220.46 31.70 81.34 18 7 25 4432.8 27.23 211.97
 110.00 9 1 14 1377.84 -11.27 343.27 23.35 122.49 9 24 12 777.8 -6.91 336.89
 110.00 18 8 18 4767.53 32.12 199.58 30.97 77.61 19 27 46 4167.5 30.08 190.96

DIFFERENTIAL CORRECTIONS

TOE .4780 TRA -.7359 TC3 .4242 BAU .1283
 RDE -.3004 RRA -.1221 RC3 .1664 FAU .02954
 FDE -.5892 FRA .4302 FC3-1.2147 BSP 3563
 BDE .5646 BRA .7459 BC3 .4557 FSP -319

MID-COURSE EXECUTION ACCURACY

SGT 1185.0 SGR 434.4 SG3 124.9
 RRT -.0307 RRF .0301 RTF -.8155
 SGB 1262.1 R23 -.0012 R13 .8155
 SG1 1185.0 SG2 434.2 THA 179.25

ORBIT DETERMINATION ACCURACY

ST 661.1 SR 378.1 SS 634.2
 CRT -.8420 CRS -.9389 CST .9751
 LSA 973.0 MSA 187.6 SSA 17.8
 EL1 739.5 EL2 182.4 ALF 152.47

LAUNCH DATE JUN 11 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 228.113

RL 151.90 LAL -.00 LOL 259.41 VL 25.243 GAL .63 AZL 93.37 HCA 95.64 SMA 119.54 ECC .27090 INC 3.3718 V1 29.331
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.480 GAP -14.86 AZP 89.67 TAL 178.31 TAP 273.95 RCA 87.16 APO 151.92 V2 34.851
 RC 45.690 GL -19.76 GP -.69 ZAL 88.94 ZAP 2.64 ETS 14.66 ZAE 154.60 ETE 25.09 ZAC 92.99 ETC 13.85 CLP -2.55

PLANETOCENTRIC CONIC

C3 19.287 VHL 4.392 DLA -14.39 RAL 163.42 RAD 6567.8 VEL 11.860 PTH 2.10 VHP 9.200 DPA 5.45 RAP 174.17 ECC 1.3174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 53 53 1741.55 -5.99 13.41 23.10 117.73 7 22 54 1141.5 -2.23 6.75
 90.00 15 4 59 5314.04 27.39 241.36 29.08 82.53 16 33 33 4714.0 26.08 232.94
 100.00 8 7 32 1503.91 -7.12 355.33 22.48 119.11 8 32 36 903.9 -3.18 348.75
 100.00 16 34 1 5026.91 28.66 220.03 28.87 81.12 17 57 48 4426.9 27.14 211.56
 110.00 8 58 34 1344.05 -10.03 341.44 20.71 122.85 9 20 58 744.0 -5.63 335.11
 110.00 17 59 28 4759.53 32.00 198.99 28.13 77.27 19 18 48 4159.5 29.91 190.40

DIFFERENTIAL CORRECTIONS

TOE .4844 TRA -.7059 TC3 .5122 BAU .1397
 RDE -.2838 RRA -.1127 RC3 .1769 FAU .03175
 FDE -.6357 FRA .4242 FC3-1.4251 BSP 3743
 BDE .5614 BRA .7149 BC3 .5419 FSP -359

MID-COURSE EXECUTION ACCURACY

SGT 1227.1 SGR 429.2 SG3 138.8
 RRT -.0375 RRF .0375 RTF -.8270
 SGB 1300.0 R23 -.0021 R13 .8271
 SG1 1227.2 SG2 428.9 THA 179.14

ORBIT DETERMINATION ACCURACY

ST 693.4 SR 373.0 SS 673.8
 CRT -.8539 CRS -.9457 CST .9756
 LSA 1019.8 MSA 183.4 SSA 18.2
 EL1 767.6 EL2 175.4 ALF 153.86

LAUNCH DATE JUN 11 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 234.834

RL 151.90 LAL -.00 LOL 259.41 VL 25.433 GAL .42 AZL 93.36 HCA 98.81 SMA 120.59 ECC .25975 INC 3.3617 V1 29.331
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.621 GAP -13.98 AZP 89.48 TAL 178.81 TAP 277.62 RCA 89.26 APO 151.91 V2 34.860
 RC 46.700 GL -20.73 GP -.74 ZAL 90.12 ZAP 4.53 ETS 8.91 ZAE 152.96 ETE 22.77 ZAC 91.78 ETC 13.77 CLP -4.47

PLANETOCENTRIC CONIC

C3 17.758 VHL 4.214 DLA -14.80 RAL 161.90 RAD 6567.7 VEL 11.796 PTH 2.09 VHP 8.698 DPA 4.89 RAP 175.31 ECC 1.2923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 51 33 1707.66 -4.92 11.51 20.46 117.92 7 20 0 1107.7 -1.14 4.86
 90.00 14 55 14 5309.18 27.35 241.01 26.26 82.36 16 23 43 4709.2 26.01 232.60
 100.00 8 4 54 1470.97 -6.02 353.50 19.85 119.33 8 29 25 871.0 -2.07 346.94
 100.00 16 24 34 5021.11 28.60 219.61 26.05 80.91 17 48 15 4421.1 27.05 211.15
 110.00 8 55 19 1313.06 -8.88 339.77 18.10 123.15 9 17 12 713.1 -4.46 333.48
 110.00 17 50 39 4751.78 31.88 198.41 25.31 76.95 19 9 50 4151.8 29.76 189.85

DIFFERENTIAL CORRECTIONS

TOE .4895 TRA -.6754 TC3 .6053 BAU .1504
 RDE -.2683 RRA -.1038 RC3 .1863 FAU .03420
 FDE -.6864 FRA .4175 FC3-1.6674 BSP 3871
 BDE .5582 BRA -.6833 BC3 .6333 FSP -404

MID-COURSE EXECUTION ACCURACY

SGT 1267.0 SGR 423.1 SG3 154.3
 RRT -.0447 RRF .0450 RTF -.8376
 SGB 1335.8 R23 -.0029 R13 .8377
 SG1 1267.1 SG2 422.6 THA 179.04

ORBIT DETERMINATION ACCURACY

ST 724.1 SR 367.4 SS 714.4
 CRT -.8653 CRS -.9519 CST .9761
 LSA 1066.5 MSA 179.1 SSA 18.5
 EL1 794.4 EL2 167.9 ALF 155.11

LAUNCH DATE JUN 11 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 241.555

RL 151.90 LAL -.00 LOL 259.41 VL 25.607 GAL .22 AZL 93.35 HCA 101.99 SMA 121.57 ECC .24951 INC 3.3515 V1 29.331
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.752 GAP -13.13 AZP 89.30 TAL 179.34 TAP 281.32 RCA 91.24 APO 151.90 V2 34.870
 RC 47.841 GL -21.67 GP -.79 ZAL 91.35 ZAP 6.49 ETS 6.49 ZAE 151.50 ETE 20.79 ZAC 90.63 ETC 13.71 CLP -6.44

PLANETOCENTRIC CONIC

C3 16.438 VHL 4.054 DLA -15.16 RAL 160.33 RAD 6567.7 VEL 11.740 PTH 2.07 VHP 8.217 DPA 4.36 RAP 176.39 ECC 1.2705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 48 34 1676.98 -3.94 9.79 17.87 118.06 7 16 31 1077.0 -.15 3.15
 90.00 14 45 40 5304.23 27.31 240.65 23.49 82.19 16 14 5 4704.2 25.94 232.25
 100.00 8 1 40 1441.14 -5.03 351.85 17.26 119.51 8 25 41 841.1 -1.06 345.31
 100.00 16 15 16 5015.30 28.54 219.19 23.28 80.70 17 38 51 4415.3 26.96 210.74
 110.00 8 51 31 1284.99 -7.83 338.28 15.54 123.38 9 12 56 685.0 -3.39 332.01
 110.00 17 41 54 4744.22 31.76 197.86 22.53 76.64 19 0 59 4144.2 29.60 189.31

DIFFERENTIAL CORRECTIONS

TOE .4913 TRA -.6464 TC3 .6897 BAU .1575
 RDE -.2539 RRA -.0956 RC3 .1944 FAU .03676
 FDE -.7414 FRA .4088 FC3-1.9359 BSP 3919
 BDE .5530 BRA .6534 BC3 .7166 FSP -452

MID-COURSE EXECUTION ACCURACY

SGT 1300.1 SGR 416.2 SG3 171.1
 RRT -.0527 RRF .0542 RTF -.8436
 SGB 1365.1 R23 -.0047 R13 .8437
 SG1 1300.3 SG2 415.5 THA 178.92

ORBIT DETERMINATION ACCURACY

ST 750.2 SR 361.3 SS 755.4
 CRT -.8747 CRS -.9577 CST .9760
 LSA 1110.3 MSA 176.0 SSA 18.8
 EL1 817.0 EL2 160.8 ALF 156.18

LAUNCH DATE JUN 11 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 248.273

RL 151.90 LAL -.00 LOL 259.41 VL 25.767 GAL .03 AZL 93.34 HCA 105.16 SMA 122.49 ECC .24012 INC 3.3410 V1 29.331
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.873 GAP -12.31 AZP 89.12 TAL 179.90 TAP 285.06 RCA 93.07 APO 151.90 V2 34.881
 RC 49.103 GL -22.58 GP -.86 ZAL 92.64 ZAP 8.53 ETS 5.16 ZAE 150.23 ETE 19.08 ZAC 89.55 ETC 13.66 CLP -8.49

PLANETOCENTRIC CONIC

C3 15.300 VHL 3.911 DLA -15.47 RAL 158.72 RAD 6567.6 VEL 11.691 PTH 2.06 VHP 7.757 DPA 3.84 RAP 177.40 ECC 1.2518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 0 1649.59 -3.06 8.25 15.32 118.17 7 12 30 1049.6 .73 1.62
 90.00 14 36 24 5299.07 27.26 240.28 20.77 82.01 16 4 43 4699.1 25.87 231.89
 100.00 7 57 52 1414.51 -4.13 350.38 14.73 119.63 8 21 26 814.5 -.16 343.84
 100.00 16 6 14 5009.38 28.47 218.76 20.56 80.48 17 29 43 4409.4 26.86 210.33
 110.00 8 47 14 1259.88 -6.89 336.94 13.03 123.56 9 8 14 659.9 -2.43 330.70
 110.00 17 33 21 4736.77 31.64 197.31 19.81 76.34 18 52 18 4136.8 29.44 188.79

DIFFERENTIAL CORRECTIONS

TOE .4888 TRA -.6269 TC3 .7489 BAU .1586
 RDE -.2405 RRA -.0877 RC3 .2011 FAU .03926
 FDE -.7922 FRA .4099 FC3-2.2213 BSP 3883
 BDE .5447 BRA .6330 BC3 .7755 FSP -503

MID-COURSE EXECUTION ACCURACY

SGT 1328.0 SGR 408.2 SG3 188.4
 RRT -.0609 RRF .0588 RTF -.8435
 SGB 1389.3 R23 -.0021 R13 .8435
 SG1 1328.3 SG2 407.4 THA 178.82

ORBIT DETERMINATION ACCURACY

ST 771.1 SR 354.6 SS 788.5
 CRT -.8804 CRS -.9614 CST .9757
 LSA 1145.1 MSA 174.7 SSA 19.1
 EL1 834.4 EL2 155.4 ALF 157.12

LAUNCH DATE JUN 11 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 254.985

RL 151.90 LAL -.00 LOL 259.41 VL 25.912 GAL -.15 AZL 93.33 HCA 108.34 SMA 123.34 ECC .23154 INC 3.3302 V1 29.331
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.985 GAP -11.52 AZP 88.95 TAL 180.49 TAP 288.83 RCA 94.78 APO 151.90 V2 34.891
 RC 50.476 GL -23.44 GP -.93 ZAL 93.95 ZAP 10.66 ETS 4.32 ZAE 149.18 ETE 17.59 ZAC 88.55 ETC 13.62 CLP -10.62

PLANETOCENTRIC CONIC

C3 14.320 VHL 3.784 DLA -15.73 RAL 157.09 RAD 6567.6 VEL 11.649 PTH 2.05 VHP 7.317 DPA 3.34 RAP 178.33 ECC 1.2357
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 40 53 1625.59 -2.28 6.91 12.85 118.23 7 7 59 1025.6 1.51 .28
 90.00 14 27 31 5293.55 27.20 239.89 18.13 81.82 15 55 44 4693.5 25.79 231.50
 100.00 7 53 33 1391.14 -3.34 349.09 12.26 119.72 8 16 44 791.1 .64 342.56
 100.00 15 57 32 5003.23 28.40 218.32 17.91 80.26 17 20 55 4403.2 26.76 209.90
 110.00 8 42 30 1237.80 -6.06 335.78 10.58 123.71 9 3 7 637.8 -1.59 329.54
 110.00 17 25 5 4729.33 31.52 196.76 17.16 76.04 18 43 54 4129.3 29.28 188.27

DIFFERENTIAL CORRECTIONS

TOE .5110 TRA -.5710 TC3 .9248 BAU .1813
 RDE -.2287 RRA -.0811 RC3 .2038 FAU .04393
 FDE -.8877 FRA .3680 FC3-2.6561 BSP 4318
 BDE .5599 BRA .5767 BC3 .9470 FSP -588

MID-COURSE EXECUTION ACCURACY

SGT 1376.7 SGR 399.9 SG3 214.8
 RRT -.0825 RRF .0820 RTF -.8667
 SGB 1433.6 R23 -.0039 R13 .8668
 SG1 1377.2 SG2 398.5 THA 178.50

ORBIT DETERMINATION ACCURACY

ST 819.6 SR 348.4 SS 857.6
 CRT -.9018 CRS -.9700 CST .9786
 LSA 1225.2 MSA 165.0 SSA 19.2
 EL1 879.5 EL2 140.3 ALF 158.45

LAUNCH DATE JUN 11 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 261.690

RL 151.90 LAL -.00 LOL 259.41 VL 26.044 GAL -.32 AZL 93.32 HCA 111.53 SMA 124.13 ECC .22374 INC 3.3189 V1 29.331
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.088 GAP -10.77 AZP 88.78 TAL 181.09 TAP 292.62 RCA 96.36 APO 151.91 V2 34.903
 RC 51.950 GL -24.25 GP -1.01 ZAL 95.28 ZAP 12.88 ETS 3.74 ZAE 148.36 ETE 16.27 ZAC 87.64 ETC 13.59 CLP -12.84

PLANETOCENTRIC CONIC

C3 13.478 VHL 3.671 DLA -15.93 RAL 155.47 RAD 6567.5 VEL 11.613 PTH 2.03 VHP 6.897 DPA 2.88 RAP 179.17 ECC 1.2218
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 19 1604.85 -1.62 5.75 10.46 118.27 7 3 4 1004.9 2.18 359.13
 90.00 14 19 6 5287.69 27.15 239.47 15.57 81.62 15 47 14 4687.7 25.71 231.09
 100.00 7 48 49 1370.92 -2.66 347.98 9.88 119.78 8 11 40 770.9 1.32 341.45
 100.00 15 49 17 4996.86 28.33 217.86 15.36 80.03 17 12 34 4396.9 26.66 209.45
 110.00 8 37 26 1218.63 -5.33 334.76 8.22 123.81 8 57 45 618.6 -.85 328.54
 110.00 17 17 10 4721.91 31.40 196.22 14.60 75.74 18 35 52 4121.9 29.12 187.75

DIFFERENTIAL CORRECTIONS

TDE .5115 TRA -.5415 TC3 1.0280 BAU .1889
 RDE -.2175 RRA -.0745 RC3 .2050 FAU .04793
 FDE -.9669 FRA .3541 FC3-3.0790 BSP 4495
 BDE .5559 BRA .5466 BC3 1.0482 FSP -671

MID-COURSE EXECUTION ACCURACY

SGT 1406.9 SGR 390.5 SG3 240.0
 RRT -.0931 RRF .0945 RTF -.8740
 SGB 1460.1 R23 -.0064 R13 .8741
 SG1 1407.4 SG2 388.6 THA 178.40

ORBIT DETERMINATION ACCURACY

ST 841.1 SR 341.4 SS 906.0
 CRT -.9101 CRS -.9742 CST .9789
 LSA 1272.0 MSA 162.4 SSA 19.2
 EL1 898.0 EL2 132.5 ALF 159.25

LAUNCH DATE JUN 11 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 268.385

RL 151.90 LAL -.00 LOL 259.41 VL 26.164 GAL -.47 AZL 93.31 HCA 114.71 SMA 124.86 ECC .21666 INC 3.3072 V1 29.331
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.183 GAP -10.04 AZP 88.62 TAL 181.71 TAP 296.42 RCA 97.81 APO 151.92 V2 34.914
 RC 53.515 GL -25.00 GP -1.11 ZAL 96.59 ZAP 15.22 ETS 3.33 ZAE 147.78 ETE 15.11 ZAC 86.84 ETC 13.58 CLP -15.18

PLANETOCENTRIC CONIC

C3 12.755 VHL 3.571 DLA -16.09 RAL 153.87 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 6.496 DPA 2.44 RAP 179.91 ECC 1.2099
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 24 1587.28 -1.05 4.77 8.17 118.30 6 57 51 987.3 2.74 358.14
 90.00 14 11 15 5281.45 27.08 239.02 13.14 81.40 15 39 17 4681.5 25.62 230.66
 100.00 7 43 47 1353.75 -2.08 347.03 7.60 119.83 8 6 20 753.7 1.90 340.51
 100.00 15 41 34 4990.22 28.25 217.38 12.92 79.79 17 4 44 4390.2 26.55 208.99
 110.00 8 32 8 1202.25 -4.71 333.90 5.96 123.90 8 52 11 602.3 -.23 327.69
 110.00 17 9 42 4714.48 31.27 195.68 12.15 75.44 18 28 16 4114.5 28.96 187.24

DIFFERENTIAL CORRECTIONS

TDE .5115 TRA -.5115 TC3 1.1182 BAU .1938
 RDE -.2072 RRA -.0685 RC3 .2034 FAU .05240
 FDE -1.0583 FRA .3342 FC3-3.5563 BSP 4532
 BDE .5519 BRA .5161 BC3 1.1366 FSP -754

MID-COURSE EXECUTION ACCURACY

SGT 1428.6 SGR 380.4 SG3 268.3
 RRT -.1088 RRF .1113 RTF -.8787
 SGB 1478.4 R23 -.0086 R13 .8788
 SG1 1429.2 SG2 377.9 THA 178.22

ORBIT DETERMINATION ACCURACY

ST 860.0 SR 334.2 SS 958.5
 CRT -.9181 CRS -.9782 CST .9791
 LSA 1320.6 MSA 160.4 SSA 19.1
 EL1 914.2 EL2 124.6 ALF 159.98

LAUNCH DATE JUN 11 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 275.068

RL 151.90 LAL -.00 LOL 259.41 VL 26.272 GAL -.62 AZL 93.29 HCA 117.90 SMA 125.53 ECC .21027 INC 3.2948 V1 29.331
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.271 GAP -9.33 AZP 88.46 TAL 182.32 TAP 300.22 RCA 99.14 APO 151.93 V2 34.926
 RC 55.163 GL -25.69 GP -1.21 ZAL 97.88 ZAP 17.67 ETS 3.03 ZAE 147.46 ETE 14.06 ZAC 86.16 ETC 13.57 CLP -17.63

PLANETOCENTRIC CONIC

C3 12.135 VHL 3.484 DLA -16.20 RAL 152.31 RAD 6567.5 VEL 11.555 PTH 2.02 VHP 6.114 DPA 2.05 RAP 180.53 ECC 1.1997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 13 1572.73 -.58 3.96 6.00 118.31 6 52 25 972.7 3.21 357.33
 90.00 14 4 1 5274.79 27.02 238.55 10.82 81.17 15 31 56 4674.8 25.52 230.20
 100.00 7 38 30 1339.48 -1.60 346.25 5.44 119.85 8 0 50 739.5 2.39 339.73
 100.00 15 34 25 4983.28 28.16 216.88 10.60 79.54 16 57 28 4383.3 26.43 208.51
 110.00 8 26 41 1188.55 -4.19 333.18 3.82 123.96 8 46 29 588.5 .30 326.97
 110.00 17 2 44 4706.97 31.14 195.13 9.83 75.14 18 21 11 4107.0 28.79 186.72

DIFFERENTIAL CORRECTIONS

TDE .5126 TRA -.4772 TC3 1.2165 BAU .2000
 RDE -.1978 RRA -.0631 RC3 .1984 FAU .05768
 FDE -1.1627 FRA .3043 FC3-4.1148 BSP 4633
 BDE .5494 BRA .4814 BC3 1.2326 FSP -855

MID-COURSE EXECUTION ACCURACY

SGT 1448.2 SGR 369.6 SG3 301.1
 RRT -.1286 RRF .1316 RTF -.8852
 SGB 1494.6 R23 -.0101 R13 .8854
 SG1 1449.0 SG2 366.3 THA 177.99

ORBIT DETERMINATION ACCURACY

ST 878.4 SR 327.0 SS 1014.7
 CRT -.9270 CRS -.9821 CST .9797
 LSA 1372.1 MSA 157.7 SSA 18.9
 EL1 930.1 EL2 115.8 ALF 160.65

LAUNCH DATE JUN 11 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 281.738

RL 151.90 LAL -.00 LOL 259.41 VL 26.370 GAL -.75 AZL 93.28 HCA 121.08 SMA 126.15 ECC .20452 INC 3.2817 V1 29.331
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.351 GAP -8.65 AZP 88.30 TAL 182.93 TAP 304.01 RCA 100.35 APO 151.95 V2 34.938
 RC 56.885 GL -26.30 GP -1.34 ZAL 99.13 ZAP 20.27 ETS 2.81 ZAE 147.41 ETE 13.12 ZAC 85.62 ETC 13.56 CLP -20.23

PLANETOCENTRIC CONIC

C3 11.604 VHL 3.406 DLA -16.26 RAL 150.82 RAD 6567.4 VEL 11.532 PTH 2.01 VHP 5.752 DPA 1.69 RAP 181.02 ECC 1.1910
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 52 1560.97 -.20 3.31 3.96 118.32 6 46 53 961.0 3.59 356.67
 90.00 13 57 27 5267.75 26.94 238.04 8.64 80.93 15 25 15 4667.8 25.41 229.71
 100.00 7 33 6 1327.89 -1.20 345.61 3.40 119.87 7 55 14 727.9 2.78 339.09
 100.00 15 27 54 4976.07 28.07 216.37 8.42 79.28 16 50 50 4376.1 26.31 208.01
 110.00 8 21 11 1177.29 -3.76 332.59 1.80 124.00 8 40 48 577.3 .73 326.39
 110.00 16 56 19 4699.43 31.01 194.58 7.64 74.84 18 14 39 4099.4 28.62 186.20

DIFFERENTIAL CORRECTIONS

TDE .5094 TRA -.4488 TC3 1.2938 BAU .2029
 RDE -.1891 RRA -.0580 RC3 .1902 FAU .06353
 FDE -1.2793 FRA .2762 FC3-4.7402 BSP 4663
 BDE .5434 BRA .4526 BC3 1.3077 FSP -967

MID-COURSE EXECUTION ACCURACY

SGT 1459.3 SGR 358.2 SG3 337.9
 RRT -.1500 RRF .1548 RTF -.8886
 SGB 1502.6 R23 -.0133 R13 .8887
 SG1 1460.3 SG2 353.9 THA 177.76

ORBIT DETERMINATION ACCURACY

ST 889.1 SR 319.6 SS 1072.8
 CRT -.9335 CRS -.9851 CST .9797
 LSA 1420.7 MSA 156.8 SSA 18.6
 EL1 938.5 EL2 108.5 ALF 161.19

LAUNCH DATE JUN 11 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 288.392

RL 151.90 LAL -.00 LOL 259.41 VL 26.458 GAL -.87 AZL 93.27 HCA 124.27 SMA 126.71 ECC .19937 INC 3.2676 V1 29.331
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.425 GAP -7.99 AZP 88.16 TAL 183.51 TAP 307.79 RCA 101.45 APO 151.97 V2 34.951
 RC 58.673 GL -26.85 GP -1.48 ZAL 100.32 ZAP 23.03 ETS 2.65 ZAE 147.63 ETE 12.27 ZAC 85.23 ETC 13.57 CLP -22.98

PLANETOCENTRIC CONIC

C3 11.148 VHL 3.339 DLA -16.28 RAL 149.40 RAD 6567.4 VEL 11.512 PTH 2.01 VHP 5.408 DPA 1.38 RAP 181.36 ECC 1.1835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 29 1551.75 .10 2.79 2.05 118.32 6 41 20 951.8 3.88 356.16
 90.00 13 51 35 5260.36 26.86 237.52 6.61 80.68 15 19 16 4660.4 25.30 229.20
 100.00 7 27 42 1318.73 -.89 345.11 1.50 119.88 7 49 40 718.7 3.09 338.59
 100.00 15 22 3 4968.61 27.98 215.83 6.39 79.02 16 44 52 4368.6 26.18 207.49
 110.00 8 15 43 1168.26 -3.42 332.12 359.92 124.03 8 35 12 568.3 1.07 325.92
 110.00 16 50 31 4691.84 30.87 194.03 5.61 74.54 18 8 43 4091.8 28.44 185.67

DIFFERENTIAL CORRECTIONS

TDE .5032 TRA -.4203 TC3 1.3624 BAU .2048
 RDE -.1812 RRA -.0535 RC3 .1782 FAU .07028
 FDE-1.4093 FRA .2422 FC3-5.4579 BSP 4675
 BDE .5348 BRA .4237 BC3 1.3740 FSP -1097

MID-COURSE EXECUTION ACCURACY

SGT 1462.2 SGR 346.4 SG3 379.8
 RRT -.1745 RRF .1819 RTF -.8915
 SGB 1502.7 R23 -.0176 R13 .8917
 SG1 1463.5 SG2 340.8 THA 177.50

ORBIT DETERMINATION ACCURACY

ST 892.9 SR 312.3 SS 1132.8
 CRT -.9394 CRS -.9878 CST .9797
 LSA 1467.4 MSA 156.4 SSA 18.2
 EL1 940.4 EL2 101.6 ALF 161.59

LAUNCH DATE JUN 11 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 295.031

RL 151.90 LAL -.00 LOL 259.41 VL 26.536 GAL -.98 AZL 93.25 HCA 127.47 SMA 127.21 ECC .19477 INC 3.2524 V1 29.331
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.492 GAP -7.36 AZP 88.02 TAL 184.08 TAP 311.54 RCA 102.44 APO 151.99 V2 34.964
 RC 60.521 GL -27.32 GP -1.65 ZAL 101.43 ZAP 25.96 ETS 2.53 ZAE 148.15 ETE 11.48 ZAC 85.02 ETC 13.58 CLP -25.91

PLANETOCENTRIC CONIC

C3 10.757 VHL 3.280 DLA -16.27 RAL 148.09 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 5.083 DPA 1.12 RAP 181.53 ECC 1.1770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 8 1544.80 .32 2.40 .30 118.32 6 35 53 944.8 4.11 355.77
 90.00 13 46 26 5252.66 26.77 236.97 4.74 80.42 15 13 59 4652.7 25.18 228.67
 100.00 7 22 21 1311.75 -.66 344.73 359.75 119.89 7 44 13 711.8 3.32 338.20
 100.00 15 16 54 4960.93 27.88 215.28 4.51 78.75 16 39 35 4360.9 26.04 206.96
 110.00 8 10 24 1161.23 -3.15 331.75 358.19 124.06 8 29 45 561.2 1.34 325.55
 110.00 16 45 20 4684.22 30.73 193.48 3.73 74.24 18 3 24 4084.2 28.27 185.15

DIFFERENTIAL CORRECTIONS

TDE .4949 TRA -.3920 TC3 1.4157 BAU .2049
 RDE -.1740 RRA -.0495 RC3 .1621 FAU .07801
 FDE-1.5580 FRA .2010 FC3-6.2786 BSP 4679
 BDE .5246 BRA .3951 BC3 1.4250 FSP -1249

MID-COURSE EXECUTION ACCURACY

SGT 1455.6 SGR 334.4 SG3 427.7
 RRT -.2051 RRF .2154 RTF -.8936
 SGB 1493.5 R23 -.0228 R13 .8939
 SG1 1457.3 SG2 326.9 THA 177.16

ORBIT DETERMINATION ACCURACY

ST 891.1 SR 305.2 SS 1197.6
 CRT -.9448 CRS -.9902 CST .9795
 LSA 1515.5 MSA 156.1 SSA 17.6
 EL1 937.1 EL2 95.1 ALF 161.87

LAUNCH DATE JUN 11 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 301.653

RL 151.90 LAL -.00 LOL 259.41 VL 26.606 GAL -1.08 AZL 93.24 HCA 130.66 SMA 127.67 ECC .19070 INC 3.2359 V1 29.331
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.554 GAP -6.74 AZP 87.89 TAL 184.60 TAP 315.26 RCA 103.32 APO 152.01 V2 34.977
 RC 62.420 GL -27.72 GP -1.84 ZAL 102.47 ZAP 29.09 ETS 2.45 ZAE 148.98 ETE 10.73 ZAC 85.00 ETC 13.60 CLP -29.04

PLANETOCENTRIC CONIC

C3 10.420 VHL 3.228 DLA -16.23 RAL 146.88 RAD 6567.4 VEL 11.481 PTH 2.00 VHP 4.778 DPA .92 RAP 181.52 ECC 1.1715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 56 1539.83 .48 2.13 358.69 118.31 6 30 36 939.8 4.26 355.49
 90.00 13 42 1 5244.70 26.68 236.41 3.03 80.15 15 9 25 4644.7 25.05 228.12
 100.00 7 17 11 1306.67 -.48 344.45 358.16 119.89 7 38 58 706.7 3.50 337.92
 100.00 15 12 26 4953.09 27.77 214.72 2.80 78.47 16 34 59 4353.1 25.90 206.42
 110.00 8 5 18 1155.94 -2.95 331.48 356.62 124.07 8 24 34 555.9 1.54 325.27
 110.00 16 40 48 4676.59 30.59 192.93 2.01 73.95 17 58 45 4076.6 28.09 184.63

DIFFERENTIAL CORRECTIONS

TDE .4828 TRA -.3656 TC3 1.4426 BAU .2019
 RDE -.1675 RRA -.0458 RC3 .1420 FAU .08656
 FDE-1.7232 FRA .1557 FC3-7.1918 BSP 4648
 BDE .5110 BRA .3685 BC3 1.4496 FSP -1422

MID-COURSE EXECUTION ACCURACY

SGT 1434.8 SGR 322.4 SG3 481.0
 RRT -.2424 RRF .2559 RTF -.8938
 SGB 1470.6 R23 -.0294 R13 .8942
 SG1 1437.0 SG2 312.3 THA 176.73

ORBIT DETERMINATION ACCURACY

ST 881.0 SR 298.4 SS 1264.5
 CRT -.9492 CRS -.9921 CST .9792
 LSA 1561.9 MSA 156.2 SSA 17.0
 EL1 925.9 EL2 89.4 ALF 162.00

LAUNCH DATE JUN 11 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 308.256

RL 151.90 LAL -.00 LOL 259.41 VL 26.668 GAL -1.17 AZL 93.22 HCA 133.86 SMA 128.07 ECC .18711 INC 3.2177 V1 29.331
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.610 GAP -6.15 AZP 87.77 TAL 185.09 TAP 318.95 RCA 104.11 APO 152.04 V2 34.990
 RC 64.367 GL -28.05 GP -2.06 ZAL 103.42 ZAP 32.44 ETS 2.40 ZAE 150.13 ETE 10.02 ZAC 85.20 ETC 13.62 CLP -32.38

PLANETOCENTRIC CONIC

C3 10.128 VHL 3.182 DLA -16.17 RAL 145.80 RAD 6567.4 VEL 11.468 PTH 1.99 VHP 4.492 DPA .78 RAP 181.29 ECC 1.1667
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 58 1536.56 .59 1.94 357.25 118.31 6 25 34 936.6 4.37 355.30
 90.00 13 38 19 5236.54 26.59 235.83 1.50 79.88 15 5 35 4636.5 24.92 227.56
 100.00 7 12 16 1303.24 -.37 344.26 356.72 119.89 7 34 0 703.2 3.61 337.73
 100.00 15 8 41 4945.10 27.66 214.16 1.26 78.19 16 31 6 4345.1 25.75 205.88
 110.00 8 0 30 1152.16 -2.80 331.28 355.20 124.08 8 19 42 552.2 1.69 325.08
 110.00 16 36 57 4668.95 30.45 192.39 .46 73.65 17 54 46 4068.9 27.91 184.11

DIFFERENTIAL CORRECTIONS

TDE .4653 TRA -.3424 TC3 1.4444 BAU .1962
 RDE -.1617 RRA -.0426 RC3 .1170 FAU .09625
 FDE-1.9072 FRA .1059 FC3-8.2280 BSP 4550
 BDE .4926 BRA .3451 BC3 1.4491 FSP -1618

MID-COURSE EXECUTION ACCURACY

SGT 1399.6 SGR 310.9 SG3 541.3
 RRT -.2855 RRF .3049 RTF -.8916
 SGB 1433.7 R23 -.0400 R13 .8922
 SG1 1402.5 SG2 297.3 THA 176.20

ORBIT DETERMINATION ACCURACY

ST 860.0 SR 292.1 SS 1334.3
 CRT -.9522 CRS -.9937 CST .9783
 LSA 1606.3 MSA 157.2 SSA 16.3
 EL1 904.3 EL2 84.9 ALF 161.91

LAUNCH DATE JUN 11 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 314.841

RL 151.90 LAL -.00 LOL 259.41 VL 26.722 GAL -1.24 AZL 93.20 HCA 137.06 SMA 128.43 ECC .18396 INC 3.1973 V1 29.331
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.660 GAP -5.57 AZP 87.66 TAL 185.53 TAP 322.59 RCA 104.81 APO 152.06 V2 35.003
 RC 66.356 GL -28.31 GP -2.33 ZAL 104.26 ZAP 36.03 ETS 2.37 ZAE 151.62 ETE 9.30 ZAC 85.63 ETC 13.64 CLP -35.96

PLANETOCENTRIC CONIC

C3 9.873 VHL 3.142 DLA -16.08 RAL 144.84 RAD 6567.4 VEL 11.457 PTH 1.99 VHP 4.227 DPA .69 RAP 180.83 ECC 1.1625
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 55 17 1534.78 .65 1.85 355.97 118.31 6 20 52 934.8 4.43 355.20
 90.00 13 35 21 5228.18 26.48 235.24 .12 79.60 15 2 29 4628.2 24.78 226.98
 100.00 7 7 40 1301.22 -.30 344.15 355.45 119.89 7 29 22 701.2 3.68 337.62
 100.00 15 5 39 4936.97 27.55 213.58 359.89 77.91 16 27 56 4337.0 25.60 205.32
 110.00 7 56 3 1149.67 -2.71 331.15 353.94 124.09 8 15 13 549.7 1.78 324.95
 110.00 16 33 45 4661.28 30.30 191.84 359.08 73.36 17 51 27 4061.3 27.72 183.59

DIFFERENTIAL CORRECTIONS

TDE .4434 TRA -.3216 TC3 1.4171 BAU .1874
 RDE -.1567 RRA -.0397 RC3 .0866 FAU .10707
 FDE-2.1110 FRA .0524 FC3-9.3889 BSP 4388
 BDE .4703 BRA .3240 BC3 1.4198 FSP -1833

MID-COURSE EXECUTION ACCURACY

SGT 1348.8 SGR 300.5 SG3 608.7
 RRT -.3372 RRF .3644 RTF -.8868
 SGB 1381.8 R23 -.0549 R13 .8879
 SG1 1352.8 SG2 282.0 THA 175.51

ORBIT DETERMINATION ACCURACY

ST 829.4 SR 286.6 SS 1407.3
 CRT -.9542 CRS -.9949 CST .9769
 LSA 1650.9 MSA 158.2 SSA 15.5
 EL1 873.8 EL2 81.4 ALF 161.58

LAUNCH DATE JUN 11 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 321.407

RL 151.90 LAL -.00 LOL 259.41 VL 26.769 GAL -1.31 AZL 93.17 HCA 140.26 SMA 128.75 ECC .18122 INC 3.1744 V1 29.331
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.706 GAP -5.01 AZP 87.56 TAL 185.92 TAP 326.18 RCA 105.41 APO 152.08 V2 35.016
 RC 68.382 GL -28.50 GP -2.64 ZAL 105.00 ZAP 39.88 ETS 2.37 ZAE 153.45 ETE 8.54 ZAC 86.33 ETC 13.66 CLP -39.80

PLANETOCENTRIC CONIC

C3 9.648 VHL 3.106 DLA -15.97 RAL 144.02 RAD 6567.3 VEL 11.447 PTH 1.99 VHP 3.982 DPA .67 RAP 180.12 ECC 1.1588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 50 58 1534.28 .66 1.82 354.86 118.31 6 16 32 934.3 4.44 355.18
 90.00 13 33 7 5219.58 26.38 234.63 358.92 79.31 15 0 6 4619.6 24.64 226.39
 100.00 7 3 26 1300.44 -.27 344.11 354.34 119.89 7 25 7 700.4 3.71 337.58
 100.00 15 3 20 4928.66 27.43 212.99 358.68 77.62 16 25 28 4328.7 25.44 204.75
 110.00 7 52 0 1148.32 -2.66 331.08 352.85 124.09 8 11 8 548.3 1.83 324.87
 110.00 16 31 15 4653.54 30.15 191.29 357.87 73.06 17 48 49 4053.5 27.53 183.07

DIFFERENTIAL CORRECTIONS

TDE .4145 TRA -.3051 TC3 1.3496 BAU .1742
 RDE -.1526 RRA -.0371 RC3 .0501 FAU .11891
 FDE-2.3315 FRA -.0013 FC-10.6698 BSP 4146
 BDE .4417 BRA .3074 BC3 1.3506 FSP -2073

MID-COURSE EXECUTION ACCURACY

SGT 1276.8 SGR 291.9 SG3 682.7
 RRT -.3956 RRF .4353 RTF -.8767
 SGB 1309.7 R23 -.0791 R13 .8784
 SG1 1282.2 SG2 267.0 THA 174.60

ORBIT DETERMINATION ACCURACY

ST 784.8 SR 282.2 SS 1481.1
 CRT -.9543 CRS -.9959 CST .9745
 LSA 1692.2 MSA 159.9 SSA 14.6
 EL1 830.2 EL2 79.7 ALF 160.88

LAUNCH DATE JUN 11 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 327.952

RL 151.90 LAL -.00 LOL 259.41 VL 26.810 GAL -1.35 AZL 93.15 HCA 143.46 SMA 129.02 ECC .17885 INC 3.1481 V1 29.331
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.747 GAP -4.47 AZP 87.47 TAL 186.24 TAP 329.71 RCA 105.94 APO 152.09 V2 35.029
 RC 70.443 GL -28.61 GP -3.01 ZAL 105.63 ZAP 44.00 ETS 2.38 ZAE 155.65 ETE 7.68 ZAC 87.30 ETC 13.67 CLP -43.92

PLANETOCENTRIC CONIC

C3 9.448 VHL 3.074 DLA -15.84 RAL 143.34 RAD 6567.3 VEL 11.438 PTH 1.98 VHP 3.758 DPA .71 RAP 179.14 ECC 1.1555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 47 1 1534.95 .64 1.85 353.91 118.31 6 12 36 934.9 4.42 355.21
 90.00 13 31 39 5210.66 26.26 234.00 357.89 79.02 14 58 29 4610.7 24.48 225.79
 100.00 6 59 36 1300.77 -.28 344.12 353.40 119.89 7 21 16 700.8 3.70 337.60
 100.00 15 1 45 4920.07 27.30 212.38 357.65 77.32 16 23 45 4320.1 25.28 204.17
 110.00 7 48 22 1147.97 -2.64 331.06 351.92 124.09 8 7 30 548.0 1.85 324.86
 110.00 16 29 28 4645.63 29.99 190.72 356.83 72.77 17 46 54 4045.6 27.34 182.54

DIFFERENTIAL CORRECTIONS

TDE .3782 TRA -.2918 TC3 1.2395 BAU .1566
 RDE -.1495 RRA -.0348 RC3 .0063 FAU .13167
 FDE-2.5649 FRA -.0566 FC-12.0657 BSP 3822
 BDE .4067 BRA .2939 BC3 1.2395 FSP -2333

MID-COURSE EXECUTION ACCURACY

SGT 1182.1 SGR 286.7 SG3 762.5
 RRT -.4585 RRF .5181 RTF -.8589
 SGB 1216.3 R23 -.1185 R13 .8621
 SG1 1189.7 SG2 253.2 THA 173.35

ORBIT DETERMINATION ACCURACY

ST 725.5 SR 279.4 SS 1554.3
 CRT -.9523 CRS -.9968 CST .9706
 LSA 1730.3 MSA 161.7 SSA 13.7
 EL1 773.3 EL2 80.0 ALF 159.63

LAUNCH DATE JUN 11 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 334.478

RL 151.90 LAL -.00 LOL 259.41 VL 26.845 GAL -1.39 AZL 93.12 HCA 146.67 SMA 129.25 ECC .17684 INC 3.1175 V1 29.331
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.784 GAP -3.94 AZP 87.39 TAL 186.51 TAP 333.18 RCA 106.39 APO 152.11 V2 35.042
 RC 72.534 GL -28.65 GP -3.45 ZAL 106.15 ZAP 48.42 ETS 2.40 ZAE 158.22 ETE 6.59 ZAC 88.57 ETC 13.68 CLP -48.33

PLANETOCENTRIC CONIC

C3 9.264 VHL 3.044 DLA -15.68 RAL 142.81 RAD 6567.3 VEL 11.430 PTH 1.98 VHP 3.557 DPA .79 RAP 177.87 ECC 1.1525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 43 27 1536.75 .58 1.96 353.12 118.31 6 9 3 936.7 4.36 355.31
 90.00 13 30 58 5201.21 26.14 233.34 357.02 78.70 14 57 40 4601.2 24.32 225.14
 100.00 6 56 8 1302.18 -.33 344.20 352.61 119.89 7 17 51 702.2 3.65 337.68
 100.00 15 0 58 4911.02 27.16 211.75 356.77 77.01 16 22 49 4311.0 25.10 203.55
 110.00 7 45 10 1148.60 -2.67 331.09 351.15 124.09 8 4 19 548.6 1.82 324.89
 110.00 16 28 25 4637.36 29.82 190.14 355.95 72.46 17 45 43 4037.4 27.13 181.98

DIFFERENTIAL CORRECTIONS

TDE .3343 TRA -.2832 TC3 1.0807 BAU .1340
 RDE -.1476 RRA -.0327 RC3 -.0463 FAU .14505
 FDE-2.8060 FRA -.1029 FC-13.5545 BSP 3391
 BDE .3654 BRA .2851 BC3 1.0817 FSP -2602

MID-COURSE EXECUTION ACCURACY

SGT 1065.5 SGR 286.5 SG3 846.7
 RRT -.5176 RRF .6101 RTF -.8275
 SGB 1103.4 R23 -.1850 R13 .8341
 SG1 1076.4 SG2 242.7 THA 171.65

ORBIT DETERMINATION ACCURACY

ST 651.1 SR 278.6 SS 1625.4
 CRT -.9467 CRS -.9974 CST .9638
 LSA 1765.4 MSA 163.8 SSA 12.7
 EL1 703.3 EL2 83.1 ALF 157.62

LAUNCH DATE JUN 11 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 340.983

RL 151.90 LAL -.00 LOL 259.41 VL 26.874 GAL -1.42 AZL 93.08 HCA 149.88 SMA 129.45 ECC .17514 INC 3.0813 V1 29.331
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.817 GAP -3.43 AZP 87.33 TAL 186.71 TAP 336.59 RCA 106.78 APO 152.12 V2 35.056
 RC 74.652 GL -28.61 GP -3.98 ZAL 106.56 ZAP 53.13 ETS 2.41 ZAE 161.14 ETE 5.06 ZAC 90.14 ETC 13.67 CLP -53.02

PLANETOCENTRIC CONIC

C3 9.093 VHL 3.015 DLA -15.50 RAL 142.43 RAD 6567.3 VEL 11.423 PTH 1.98 VHP 3.380 DPA .91 RAP 176.30 ECC 1.1496
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 40 12 1539.81 .48 2.13 352.49 118.31 6 5 52 939.8 4.26 355.49
 90.00 13 31 11 5190.91 26.00 232.62 356.30 78.37 14 57 42 4590.9 24.13 224.44
 100.00 6 53 3 1304.79 -.42 344.35 351.99 119.89 7 14 47 704.8 3.56 337.82
 100.00 15 1 1 4901.17 27.01 211.05 356.06 76.68 16 22 43 4301.2 24.91 202.88
 110.00 7 42 22 1150.27 -2.73 331.18 350.55 124.09 8 1 33 550.3 1.76 324.98
 110.00 16 28 11 4628.45 29.64 189.51 355.22 72.13 17 45 20 4028.4 26.91 181.39

DIFFERENTIAL CORRECTIONS

TDE .2843 TRA -.2758 TC3 .8810 BAU .1080
 RDE -.1476 RRA -.0310 RC3 -.1111 FAU .15939
 FDE -3.0572 FRA -.1566 FC-15.1752 BSP 2926
 BDE .3204 BRA .2775 BC3 .8880 FSP -2906

MID-COURSE EXECUTION ACCURACY

SGT 932.7 SGR 294.7 SG3 936.9
 RRT -.5598 RRF .7075 RTF -.7745
 SGB 978.1 R23 -.2930 R13 .7895
 SG1 948.2 SG2 240.2 THA 169.27

ORBIT DETERMINATION ACCURACY

ST 564.6 SR 281.0 SS 1698.4
 CRT -.9362 CRS -.9980 CST .9525
 LSA 1804.1 MSA 165.3 SSA 11.7
 EL1 624.3 EL2 89.3 ALF 154.46

LAUNCH DATE JUN 11 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 347.469

RL 151.90 LAL -.00 LOL 259.41 VL 26.897 GAL -1.43 AZL 93.04 HCA 153.09 SMA 129.61 ECC .17373 INC 3.0371 V1 29.331
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.846 GAP -2.93 AZP 87.29 TAL 186.84 TAP 339.93 RCA 107.09 APO 152.12 V2 35.069
 RC 76.795 GL -28.48 GP -4.63 ZAL 106.86 ZAP 58.12 ETS 2.41 ZAE 164.41 ETE 2.64 ZAC 92.01 ETC 13.64 CLP -58.00

PLANETOCENTRIC CONIC

C3 8.927 VHL 2.988 DLA -15.27 RAL 142.20 RAD 6567.3 VEL 11.416 PTH 1.98 VHP 3.227 DPA 1.03 RAP 174.42 ECC 1.1469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 37 14 1544.41 .34 2.38 352.02 118.32 6 2 58 944.4 4.12 355.74
 90.00 13 32 24 5179.22 25.84 231.80 355.74 77.99 14 58 43 4579.2 23.92 223.65
 100.00 6 50 14 1308.83 -.56 344.57 351.53 119.89 7 12 3 708.8 3.42 338.04
 100.00 15 2 4 4890.03 26.83 210.27 355.49 76.31 16 23 34 4290.0 24.68 202.13
 110.00 7 39 56 1153.19 -2.84 331.33 350.10 124.08 7 59 9 553.2 1.65 325.13
 110.00 16 28 52 4618.44 29.42 188.81 354.65 71.76 17 45 51 4018.4 26.65 180.72

DIFFERENTIAL CORRECTIONS

TDE .2251 TRA -.2735 TC3 .6199 BAU .0774
 RDE -.1494 RRA -.0293 RC3 -.1899 FAU .17328
 FDE -3.2902 FRA -.1884 FC-16.8048 BSP 2345
 BDE .2701 BRA .2751 BC3 .6484 FSP -3195

MID-COURSE EXECUTION ACCURACY

SGT 786.8 SGR 313.5 SG3 1025.2
 RRT -.5434 RRF .7979 RTF -.6683
 SGB 847.0 R23 -.4651 R13 .7061
 SG1 807.2 SG2 256.6 THA 166.38

ORBIT DETERMINATION ACCURACY

ST 461.5 SR 287.0 SS 1761.2
 CRT -.9122 CRS -.9984 CST .9288
 LSA 1835.5 MSA 167.1 SSA 10.7
 EL1 533.9 EL2 101.7 ALF 149.20

LAUNCH DATE JUN 11 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 353.933

RL 151.90 LAL -.00 LOL 259.41 VL 26.916 GAL -1.43 AZL 92.98 HCA 156.31 SMA 129.74 ECC .17259 INC 2.9820 V1 29.331
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.871 GAP -2.45 AZP 87.27 TAL 186.90 TAP 343.21 RCA 107.34 APO 152.13 V2 35.082
 RC 78.958 GL -28.23 GP -5.44 ZAL 107.05 ZAP 63.37 ETS 2.38 ZAE 167.95 ETE 358.18 ZAC 94.16 ETC 13.56 CLP -63.24

PLANETOCENTRIC CONIC

C3 8.760 VHL 2.960 DLA -14.98 RAL 142.15 RAD 6567.3 VEL 11.408 PTH 1.97 VHP 3.099 DPA 1.10 RAP 172.25 ECC 1.1442
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 21 1551.18 .12 2.76 351.71 118.32 6 0 12 951.2 3.90 356.12
 90.00 13 34 50 5165.23 25.64 230.82 355.32 77.54 15 0 56 4565.2 23.66 222.71
 100.00 6 47 35 1314.90 -.76 344.90 351.22 119.88 7 9 30 714.9 3.22 338.38
 100.00 15 4 18 4876.74 26.61 209.35 355.07 75.86 16 25 35 4276.7 24.41 201.24
 110.00 7 37 43 1157.85 -3.02 331.58 349.81 124.07 7 57 1 557.8 1.47 325.37
 110.00 16 30 39 4606.56 29.17 187.98 354.21 71.33 17 47 25 4006.6 26.34 179.93

DIFFERENTIAL CORRECTIONS

TDE .1599 TRA -.2726 TC3 .3087 BAU .0495
 RDE -.1540 RRA -.0278 RC3 -.2891 FAU .18693
 FDE -3.5070 FRA -.2148 FC-18.4741 BSP 1779
 BDE .2220 BRA .2740 BC3 .4229 FSP -3500

MID-COURSE EXECUTION ACCURACY

SGT 654.0 SGR 348.1 SG3 1112.7
 RRT -.4091 RRF .8740 RTF -.4589
 SGB 740.9 R23 -.6876 R13 .5508
 SG1 673.6 SG2 308.4 THA 164.35

ORBIT DETERMINATION ACCURACY

ST 350.4 SR 298.5 SS 1820.1
 CRT -.8563 CRS -.9988 CST .8744
 LSA 1869.8 MSA 168.3 SSA 9.7
 EL1 443.9 EL2 121.7 ALF 140.32

LAUNCH DATE JUN 11 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 360.377

RL 151.90 LAL -.00 LOL 259.41 VL 26.930 GAL -1.42 AZL 92.91 HCA 159.52 SMA 129.83 ECC .17170 INC 2.9105 V1 29.331
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.893 GAP -1.98 AZP 87.27 TAL 186.90 TAP 346.42 RCA 107.54 APO 152.13 V2 35.094
 RC 81.139 GL -27.82 GP -6.47 ZAL 107.14 ZAP 68.84 ETS 2.29 ZAE 171.58 ETE 348.33 ZAC 96.57 ETC 13.42 CLP -68.70

PLANETOCENTRIC CONIC

C3 8.583 VHL 2.930 DLA -14.59 RAL 142.28 RAD 6567.3 VEL 11.401 PTH 1.97 VHP 2.998 DPA 1.04 RAP 169.80 ECC 1.1413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 18 1561.22 -.21 3.32 351.55 118.32 5 57 20 961.2 3.58 356.69
 90.00 13 38 55 5147.43 25.37 229.59 355.04 76.98 15 4 42 4547.4 23.32 221.51
 100.00 6 44 49 1324.03 -1.07 345.40 351.07 119.87 7 6 53 724.0 2.91 338.88
 100.00 15 8 5 4859.86 26.33 208.17 354.77 75.31 16 29 5 4259.9 24.05 200.11
 110.00 7 35 34 1165.09 -3.30 331.96 349.68 124.04 7 54 59 565.1 1.19 325.75
 110.00 16 33 50 4591.56 28.84 186.94 353.91 70.79 17 50 22 3991.6 25.95 178.95

DIFFERENTIAL CORRECTIONS

TDE .0867 TRA -.2750 TC3 -.0661 BAU .0481
 RDE -.1612 RRA -.0257 RC3 -.4140 FAU .19856
 FDE -3.6540 FRA -.2041 FC-20.0276 BSP 1336
 BDE .1831 BRA .2762 BC3 .4192 FSP -3738

MID-COURSE EXECUTION ACCURACY

SGT 582.2 SGR 401.2 SG3 1187.6
 RRT -.0651 RRF .9286 RTF -.0659
 SGB 707.1 R23 -.9209 R13 .1195
 SG1 583.3 SG2 399.6 THA 175.15

ORBIT DETERMINATION ACCURACY

ST 237.7 SR 315.8 SS 1853.5
 CRT -.6772 CRS -.9991 CST .6996
 LSA 1887.5 MSA 169.6 SSA 8.7
 EL1 365.2 EL2 151.3 ALF 123.49

LAUNCH DATE JUN 11 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 366.801

RL 151.90 LAL -.00 LOL 259.41 VL 26.940 GAL -1.40 AZL 92.81 HCA 162.74 SMA 129.90 ECC .17104 INC 2.8138 V1 29.331
 RP 107.94 LAP -.83 LOP 62.17 VP 37.912 GAP -1.52 AZP 87.31 TAL 186.82 TAP 349.56 RCA 107.68 APO 152.12 V2 35.107
 RC 83.336 GL -27.17 GP -7.83 ZAL 107.14 ZAP 74.47 ETS 2.11 ZAE 174.61 ETE 321.59 ZAC 99.20 ETC 13.15 CLP -74.32

PLANETOCENTRIC CONIC

C3 8.384 VHL 2.896 DLA -14.02 RAL 142.62 RAD 6567.3 VEL 11.392 PTH 1.97 VHP 2.925 DPA .73 RAP 167.07 ECC 1.1380
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 36 1576.68 -.71 4.18 351.54 118.31 5 53 52 976.7 3.08 357.55
 90.00 13 45 20 5123.12 24.98 227.91 354.86 76.22 15 10 43 4523.1 22.84 219.89
 100.00 6 41 30 1338.21 -1.55 346.18 351.07 119.86 7 3 49 738.2 2.43 339.66
 100.00 15 14 6 4836.83 25.92 206.58 354.59 74.57 16 34 43 4236.8 23.55 198.59
 110.00 7 33 6 1176.62 -3.74 332.56 349.71 124.00 7 52 42 576.6 .75 326.35
 110.00 16 39 0 4571.18 28.37 185.53 353.72 70.08 17 55 11 3971.2 25.39 177.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0101 TRA -.2778 TC3 -.4998 BAU .0857 SGT 636.6 SGR 480.7 SG3 1248.3 ST 171.4 SR 342.2 SS 1866.2
 RDE -.1727 RRA -.0228 RC3 -.5783 FAU .20770 RRT .3803 RRF .9639 RTF .3948 CRT -.0751 CRS -.9994 CST .1013
 FDE-3.7264 FRA -.1592 FC-21.4465 BSP 1500 SGB 797.7 R23 .7260 R13 .6348 LSA 1897.3 MSA 170.8 SSA 7.6
 BDE .1730 BRA .2788 BC3 .7644 FSP -3939 SG1 680.9 SG2 415.7 THA 26.59 EL1 342.5 EL2 170.8 ALF 92.87

LAUNCH DATE JUN 11 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 373.204

RL 151.90 LAL -.00 LOL 259.41 VL 26.946 GAL -1.37 AZL 92.67 HCA 165.96 SMA 129.94 ECC .17059 INC 2.6740 V1 29.331
 RP 107.91 LAP -.65 LOP 65.39 VP 37.928 GAP -1.07 AZP 87.41 TAL 186.68 TAP 352.64 RCA 107.78 APO 152.11 V2 35.119
 RC 85.546 GL -26.14 GP -9.74 ZAL 107.07 ZAP 80.17 ETS 1.77 ZAE 174.47 ETE 270.65 ZAC 102.03 ETC 12.67 CLP -80.03

PLANETOCENTRIC CONIC

C3 8.143 VHL 2.854 DLA -13.14 RAL 143.22 RAD 6567.3 VEL 11.381 PTH 1.97 VHP 2.884 DPA -.08 RAP 164.06 ECC 1.1340
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 22 14 1601.87 -1.52 5.59 351.71 118.28 5 48 56 1001.9 2.27 358.96
 90.00 13 55 29 5087.01 24.38 225.44 354.79 75.13 15 20 16 4487.0 22.10 217.51
 100.00 6 36 45 1361.48 -2.34 347.46 351.25 119.81 6 59 26 761.5 1.64 340.94
 100.00 15 23 40 4802.63 25.28 204.24 354.51 73.49 16 43 42 4202.6 22.78 196.34
 110.00 7 29 37 1195.91 -4.47 333.57 349.93 123.92 7 49 33 595.9 .01 327.36
 110.00 16 47 17 4540.97 27.65 183.48 353.61 69.06 18 2 58 3941.0 24.55 175.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0650 TRA -.2777 TC3 -.9901 BAU .1392 SGT 815.0 SGR 599.7 SG3 1290.3 ST 216.4 SR 381.2 SS 1845.3
 RDE -.1896 RRA -.0186 RC3 -.8090 FAU .21379 RRT .6803 RRF .9840 RTF .6900 CRT .6289 CRS -.9996 CST -.6119
 FDE-3.6835 FRA -.0875 FC-22.7298 BSP 2294 SGB 1011.8 R23 .5043 R13 .8454 LSA 1888.9 MSA 170.8 SSA 6.5
 BDE .2005 BRA .2783 BC3 1.2786 FSP -4089 SG1 936.8 SG2 382.4 THA 32.69 EL1 409.4 EL2 156.6 ALF 66.76

LAUNCH DATE JUN 11 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 379.588

RL 151.90 LAL -.00 LOL 259.41 VL 26.949 GAL -1.32 AZL 92.45 HCA 169.19 SMA 129.96 ECC .17033 INC 2.4527 V1 29.331
 RP 107.87 LAP -.46 LOP 68.60 VP 37.940 GAP -.63 AZP 87.59 TAL 186.47 TAP 355.65 RCA 107.82 APO 152.10 V2 35.131
 RC 87.767 GL -24.36 GP -12.66 ZAL 106.97 ZAP 85.86 ETS 1.14 ZAE 170.37 ETE 244.43 ZAC 105.04 ETC 11.78 CLP -85.75

PLANETOCENTRIC CONIC

C3 7.821 VHL 2.797 DLA -11.60 RAL 144.21 RAD 6567.3 VEL 11.367 PTH 1.96 VHP 2.880 DPA -1.84 RAP 160.68 ECC 1.1287
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 9 1646.48 -2.96 8.08 352.11 118.17 5 40 35 1046.5 .83 1.45
 90.00 14 12 29 5027.50 23.28 221.43 354.79 73.40 15 36 17 4427.5 20.78 213.64
 100.00 6 28 37 1402.99 -3.74 349.74 351.67 119.68 6 52 0 803.0 .23 343.21
 100.00 15 39 42 4746.22 24.14 200.44 354.49 71.81 16 58 48 4146.2 21.42 192.70
 110.00 7 23 35 1230.87 -5.80 335.41 350.40 123.75 7 44 5 630.9 -1.32 329.18
 110.00 17 1 14 4491.10 26.40 180.14 353.57 67.45 18 16 5 3891.1 23.11 172.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1313 TRA -.2719 TC3-1.5536 BAU .2026 SGT 1072.8 SGR 780.8 SG3 1297.8 ST 319.6 SR 435.3 SS 1752.3
 RDE -.2123 RRA -.0096 RC3-1.1588 FAU .21438 RRT .8257 RRF .9941 RTF .8291 CRT .8518 CRS -.9998 CST -.8423
 FDE-3.4319 FRA .0549 FC-23.7307 BSP 3433 SGB 1326.8 R23 .3766 R13 .9201 LSA 1825.8 MSA 170.3 SSA 5.5
 BDE .2496 BRA .2721 BC3 1.9381 FSP -4114 SG1 1273.9 SG2 370.9 THA 34.31 EL1 521.7 EL2 139.7 ALF 55.11

LAUNCH DATE JUN 11 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 385.950

RL 151.90 LAL -.00 LOL 259.41 VL 26.948 GAL -1.27 AZL 92.05 HCA 172.41 SMA 129.95 ECC .17025 INC 2.0467 V1 29.331
 RP 107.83 LAP -.27 LOP 71.82 VP 37.951 GAP -.20 AZP 87.97 TAL 186.19 TAP 358.60 RCA 107.83 APO 152.08 V2 35.143
 RC 89.996 GL -20.81 GP -17.77 ZAL 106.94 ZAP 91.35 ETS 359.93 ZAE 163.71 ETE 239.03 ZAC 108.29 ETC 9.91 CLP -91.41

PLANETOCENTRIC CONIC

C3 7.339 VHL 2.709 DLA -8.46 RAL 145.94 RAD 6567.2 VEL 11.346 PTH 1.96 VHP 2.938 DPA -5.70 RAP 156.58 ECC 1.1208
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 54 38 1738.07 -5.88 13.22 352.99 117.75 5 23 36 1138.1 -2.12 6.56
 90.00 14 44 50 4912.87 20.85 213.90 354.89 70.39 16 6 42 4312.9 17.99 206.40
 100.00 6 11 52 1488.89 -6.62 354.49 352.59 119.22 6 36 41 888.9 -2.68 347.93
 100.00 16 10 16 4637.28 21.63 193.32 354.58 68.85 17 27 34 4037.3 18.57 185.87
 110.00 7 10 45 1304.49 -8.56 339.31 351.40 123.22 7 32 30 704.5 -4.13 333.03
 110.00 17 27 52 4394.44 23.72 173.91 353.61 64.63 18 41 7 3794.4 20.11 166.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1686 TRA -.2516 TC3-2.2298 BAU .2806 SGT 1369.7 SGR 1094.1 SG3 1257.6 ST 393.0 SR 506.5 SS 1530.8
 RDE -.2390 RRA .0098 RC3-1.7904 FAU .20721 RRT .8948 RRF .9984 RTF .8952 CRT .9057 CRS -.9999 CST -.8996
 FDE-2.8438 FRA .2580 FC-24.4423 BSP 4930 SGB 1753.1 R23 .2779 R13 .9589 LSA 1651.2 MSA 167.3 SSA 4.6
 BDE .2925 BRA .2518 BC3 2.8597 FSP -4005 SG1 1708.8 SG2 391.6 THA 37.90 EL1 626.8 EL2 134.6 ALF 52.90

LAUNCH DATE JUN 11 1967

FLIGHT TIME 142.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 392.292

RL 151.90 LAL -.00 LOL 259.41 VL 26.944 GAL -1.20 AZL 91.05 HCA 175.64 SMA 129.93 ECC .17035 INC 1.0398 V1 29.331
 RP 107.80 LAP -.08 LOP 75.05 VP 37.958 GAP .22 AZP 88.96 TAL 185.84 TAP 1.48 RCA 107.79 APO 152.06 V2 35.154
 RC 92.232 GL -11.07 GP -29.13 ZAL 107.19 ZAP 96.10 ETS 357.13 ZAE 151.70 ETE 243.25 ZAC 111.84 ETC 5.12 CLP -96.99

PLANETOCENTRIC CONIC

C3 6.558 VHL 2.561 DLA .45 RAL 149.95 RAD 6567.2 VEL 11.312 PTH 1.94 VHP 3.198 DPA -15.46 RAP 150.25 ECC 1.1079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 3 24 1997.55 -13.78 28.19 356.20 114.98 4 36 41 1397.6 -10.30 21.24
 90.00 16 8 2 4613.90 12.98 195.50 356.10 64.61 17 24 56 4013.9 9.45 188.60
 100.00 5 24 56 1734.50 -14.47 8.50 355.85 116.44 5 53 51 1134.5 -10.81 1.63
 100.00 17 29 11 4352.18 13.67 175.91 355.76 63.16 18 41 43 3752.2 9.96 169.08
 110.00 6 33 40 1519.39 -16.31 351.14 354.82 120.46 6 58 59 919.4 -12.15 344.51
 110.00 18 36 57 4140.05 15.50 158.76 354.71 59.15 19 45 57 3540.1 11.30 152.18

DIFFERENTIAL CORRECTIONS

TDE -.0972 TRA -.1823 TC3-3.1290 BAU .3948
 RDE -.2097 RRA .0823 RC3-3.2385 FAU .17639
 FDE -1.3876 FRA .6305 FC-23.2837 BSP 7108
 BDE .2312 BRA .2001 BC3 4.5031 FSP -3392

MID-COURSE EXECUTION ACCURACY

SGT 1668.0 SGR 1733.6 SG3 1071.7
 RRT .9286 RRF .9998 RTF .9286
 SGB 2405.7 R23 .1807 R13 .9833
 SG1 2362.5 SG2 454.2 THA 46.19

ORBIT DETERMINATION ACCURACY

ST 254.1 SR 475.1 SS 871.2
 CRT .8090 CRS -.9998 CST -.7993
 LSA 1013.5 MSA 148.9 SSA 4.9
 EL1 521.3 EL2 136.1 ALF 64.76

LAUNCH DATE JUN 11 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 398.605

RL 151.90 LAL -.00 LOL 259.41 VL 26.937 GAL -1.11 AZL 84.40 HCA 178.86 SMA 129.88 ECC .17060 INC 5.5748 V1 29.331
 RP 107.77 LAP .11 LOP 78.27 VP 37.963 GAP .62 AZP 95.59 TAL 185.43 TAP 4.28 RCA 107.72 APO 152.04 V2 35.165
 RC 94.474 GL 45.00 GP -67.90 ZAL 101.15 ZAP 95.40 ETS 348.26 ZAE 114.10 ETE 251.17 ZAC 111.23 ETC 346.91 CLP -104.49

PLANETOCENTRIC CONIC

C3 13.790 VHL 3.713 DLA 50.72 RAL 179.31 RAD 6567.5 VEL 11.627 PTH 2.04 VHP 6.400 DPA -49.23 RAP 126.70 ECC 1.2269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.98 19 46 11 4218.05 -36.92 197.77 51.40 52.36 20 56 29 3618.0 -41.52 189.72
 134.02 4 19 26 2684.50 -36.91 76.49 51.39 52.35 5 4 11 2084.5 -41.51 68.44
 45.98 19 46 11 4218.05 -36.92 197.77 51.40 52.36 20 56 29 3618.0 -41.52 189.72
 134.02 4 19 26 2684.50 -36.91 76.49 51.39 52.35 5 4 11 2084.5 -41.51 68.44
 45.98 19 46 11 4218.05 -36.92 197.77 51.40 52.36 20 56 29 3618.0 -41.52 189.72
 134.02 4 19 26 2684.50 -36.91 76.49 51.39 52.35 5 4 11 2084.5 -41.51 68.44

DIFFERENTIAL CORRECTIONS

TDE 1.1017 TRA .4384 TC3-1.4867 BAU .5142
 RDE 1.1037 RRA .9178 RC3-2.3599 FAU .04134
 FDE 1.2532 FRA 1.0171 FC3-2.5956 BSP 8128
 BDE 1.5595 BRA 1.0171 BC3 2.7891 FSP -695

MID-COURSE EXECUTION ACCURACY

SGT 2291.4 SGR 3312.8 SG3 318.6
 RRT .9511 RRF .9999 RTF .9543
 SGB 4028.1 R23 .0893 R13 .9960
 SG1 3984.9 SG2 588.2 THA 55.81

ORBIT DETERMINATION ACCURACY

ST 1730.1 SR 1831.1 SS 1146.0
 CRT .9822 CRS -1.0000 CST -.9837
 LSA 2756.1 MSA 252.0 SSA .5
 EL1 2508.0 EL2 237.5 ALF 46.65

LAUNCH DATE JUN 11 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 404.933

RL 151.90 LAL -.00 LOL 259.41 VL 26.927 GAL -1.03 AZL 98.25 HCA 182.11 SMA 129.81 ECC .17103 INC 8.2460 V1 29.331
 RP 107.73 LAP .30 LOP 81.50 VP 37.966 GAP 1.03 AZP 81.76 TAL 184.98 TAP 7.09 RCA 107.61 APO 152.02 V2 35.175
 RC 96.719 GL -54.37 GP 49.11 ZAL 98.18 ZAP 101.74 ETS 15.14 ZAE 124.77 ETE 117.10 ZAC 92.98 ETC 27.10 CLP -108.11

PLANETOCENTRIC CONIC

C3 22.594 VHL 4.753 DLA -40.44 RAL 134.05 RAD 6567.9 VEL 11.999 PTH 2.14 VHP 4.257 DPA 57.07 RAP 185.94 ECC 1.3718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.82 5 39 36 1553.72 26.30 18.32 8.59 121.90 6 5 29 953.7 30.31 10.87
 120.18 12 24 59 5577.75 26.32 259.89 8.60 121.89 13 57 57 4977.8 30.33 252.44
 59.82 5 39 36 1553.72 26.30 18.32 8.59 121.90 6 5 29 953.7 30.31 10.87
 120.18 12 24 59 5577.75 26.32 259.89 8.60 121.89 13 57 57 4977.8 30.33 252.44
 59.82 5 39 36 1553.72 26.30 18.32 8.59 121.90 6 5 29 953.7 30.31 10.87
 120.18 12 24 59 5577.75 26.32 259.89 8.60 121.89 13 57 57 4977.8 30.33 252.44

DIFFERENTIAL CORRECTIONS

TDE -1.4167 TRA -.6641 TC3-1.1365 BAU .4936
 RDE 1.8704 RRA .2540 RC3 1.1742 FAU .08995
 FDE -5.3492 FRA -.7993 FC3-3.4465 BSP 10053
 BDE 2.3464 BRA .7110 BC3 1.6341 FSP -1924

MID-COURSE EXECUTION ACCURACY

SGT 2278.2 SGR 2547.7 SG3 634.4
 RRT -.9440 RRF -.9998 RTF .9495
 SGB 3417.7 R23 .1312 R13 -.9913
 SG1 3370.2 SG2 568.0 THA 131.62

ORBIT DETERMINATION ACCURACY

ST 1736.9 SR 2258.0 SS 2376.1
 CRT -.9917 CRS 1.0000 CST -.9923
 LSA 3704.5 MSA 194.0 SSA .6
 EL1 2843.2 EL2 177.8 ALF 127.51

LAUNCH DATE JUN 11 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 411.218

RL 151.90 LAL -.00 LOL 259.41 VL 26.915 GAL -.92 AZL 95.30 HCA 185.34 SMA 129.73 ECC .17158 INC 5.3027 V1 29.331
 RP 107.70 LAP .49 LOP 84.72 VP 37.967 GAP 1.43 AZP 84.72 TAL 184.45 TAP 9.79 RCA 107.47 APO 151.99 V2 35.185
 RC 98.967 GL -43.63 GP 23.21 ZAL 100.01 ZAP 110.27 ETS 10.02 ZAE 145.17 ETE 135.70 ZAC 104.39 ETC 23.61 CLP -112.15

PLANETOCENTRIC CONIC

C3 12.997 VHL 3.605 DLA -30.91 RAL 140.16 RAD 6567.5 VEL 11.592 PTH 2.03 VHP 3.229 DPA 35.13 RAP 165.47 ECC 1.2139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.07 7 43 32 1125.94 23.79 343.16 2.72 110.33 8 2 18 525.9 26.34 335.21
 102.93 11 9 45 5750.88 23.80 272.14 2.72 110.32 12 45 36 5150.9 26.35 264.19
 77.07 7 43 32 1125.94 23.79 343.16 2.72 110.33 8 2 18 525.9 26.34 335.21
 102.93 11 9 45 5750.88 23.80 272.14 2.72 110.32 12 45 36 5150.9 26.35 264.19
 110.00 10 3 48 669.53 15.22 305.54 358.35 120.98 10 14 58 69.5 19.22 298.70
 110.00 13 48 39 5255.30 32.98 237.16 5.50 99.54 15 16 14 4655.3 33.95 228.06

DIFFERENTIAL CORRECTIONS

TDE -1.0974 TRA -.4634 TC3-2.3935 BAU .4558
 RDE .6260 RRA .0308 RC3 1.0736 FAU .16030
 FDE -5.8816 FRA -.3511 FC-10.6779 BSP 8487
 BDE 1.2634 BRA .4644 BC3 2.6232 FSP -3178

MID-COURSE EXECUTION ACCURACY

SGT 2599.4 SGR 1261.8 SG3 1047.8
 RRT -.9512 RRF -.9996 RTF .9563
 SGB 2889.5 R23 .2356 R13 -.9716
 SG1 2867.8 SG2 352.9 THA 154.81

ORBIT DETERMINATION ACCURACY

ST 1763.8 SR 995.3 SS 2609.3
 CRT -.9916 CRS 1.0000 CST -.9921
 LSA 3297.7 MSA 188.1 SSA 1.2
 EL1 2022.1 EL2 112.1 ALF 150.67

LAUNCH DATE JUN 11 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 417.482

RL 151.90 LAL -.00 LOL 259.41 VL 26.901 GAL -.80 AZL 94.58 HCA 188.57 SMA 129.64 ECC .17228 INC 4.5749 V1 29.331
 RP 107.67 LAP .68 LOP 87.95 VP 37.966 GAP 1.82 AZP 85.48 TAL 183.87 TAP 12.44 RCA 107.30 APO 151.97 V2 35.195
 RC 101.218 GL -39.73 GP 14.52 ZAL 99.81 ZAP 115.60 ETS 8.04 ZAE 148.37 ETE 150.28 ZAC 108.60 ETC 21.71 CLP-116.50

PLANETOCENTRIC CONIC

C3 11.268 VHL 3.357 DLA -27.71 RAL 142.86 RAD 6567.4 VEL 11.518 PTH 2.01 VHP 3.167 DPA 27.57 RAP 160.29 ECC 1.1854
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 56 931.83 18.66 326.76 1.15 111.69 9 1 28 331.8 21.44 319.19
 90.00 10 28 56 5884.70 25.51 282.53 3.44 102.72 12 7 1 5284.7 27.01 274.19
 100.00 9 23 6 811.72 15.63 316.55 359.75 115.81 9 36 38 211.7 18.97 309.36
 100.00 12 34 28 5480.05 28.76 253.44 4.12 98.51 14 5 48 4880.0 29.64 244.75
 110.00 9 30 4 789.83 10.90 312.18 357.04 122.60 9 43 14 189.8 15.12 305.63
 110.00 14 43 59 5074.69 34.16 223.21 4.67 91.38 16 8 34 4474.7 33.97 213.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.0871 TRA -.4034 TC3-3.1086 BAU .4811 SGT 2898.8 SGR 772.2 SG3 1105.1 ST 1871.1 SR 595.5 SS 2533.6
 RDE .3488 RRA .0044 RC3 .7325 FAU .17114 RRT -.9549 RRF -.9975 RTF .9634 CRT -.9927 CRS 1.0000 CST -.9928
 FDE-5.4223 FRA -.0847 FC-13.1488 BSP 8946 SGB 2999.9 R23 .2426 R13 -.9682 LSA 3200.2 MSA 182.0 SSA 2.2
 BDE 1.1416 BRA .4034 BC3 3.1937 FSP -3450 SG1 2991.6 SG2 222.3 THA 165.65 EL1 1962.4 EL2 68.6 ALF 162.45

LAUNCH DATE JUN 11 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 423.728

RL 151.90 LAL -.00 LOL 259.41 VL 26.885 GAL -.68 AZL 94.24 HCA 191.81 SMA 129.52 ECC .17312 INC 4.2443 V1 29.331
 RP 107.65 LAP .87 LOP 91.19 VP 37.962 GAP 2.21 AZP 85.84 TAL 183.24 TAP 15.05 RCA 107.10 APO 151.95 V2 35.204
 RC 103.470 GL -37.72 GP 10.34 ZAL 99.06 ZAP 120.06 ETS 7.01 ZAE 147.79 ETE 159.28 ZAC 110.84 ETC 20.63 CLP-120.61

PLANETOCENTRIC CONIC

C3 10.576 VHL 3.252 DLA -26.30 RAL 144.85 RAD 6567.4 VEL 11.488 PTH 2.00 VHP 3.220 DPA 24.00 RAP 157.69 ECC 1.1740
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 42 1058.63 15.29 334.54 .88 114.13 8 29 20 458.6 18.42 327.27
 90.00 11 19 0 5731.92 27.36 271.74 4.55 97.62 12 54 32 5131.9 28.13 263.16
 100.00 9 4 10 889.14 13.28 321.10 359.89 117.03 9 19 0 289.1 16.80 314.08
 100.00 13 9 12 5376.64 29.57 245.86 4.82 94.60 14 38 49 4776.6 29.89 237.07
 110.00 9 22 11 832.63 9.32 314.49 357.55 123.04 9 36 3 232.6 13.61 308.02
 110.00 15 7 41 5005.91 34.14 217.84 4.95 88.20 16 31 7 4405.9 33.52 208.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1320 TRA -.3628 TC3-3.6472 BAU .5202 SGT 3180.2 SGR 523.4 SG3 1081.5 ST 2007.2 SR 417.6 SS 2442.9
 RDE .2370 RRA -.0018 RC3 .4853 FAU .16759 RRT -.9486 RRF -.9892 RTF .9672 CRT -.9939 CRS 1.0000 CST -.9934
 FDE-4.9812 FRA .1186 FC-13.7189 BSP 9746 SGB 3223.0 R23 .2190 R13 -.9690 LSA 3184.2 MSA 178.8 SSA 3.3
 BDE 1.1566 BRA .3628 BC3 3.6794 FSP -3427 SG1 3218.8 SG2 163.7 THA 171.10 EL1 2049.7 EL2 44.9 ALF 168.31

LAUNCH DATE JUN 11 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 429.957

RL 151.90 LAL -.00 LOL 259.41 VL 26.867 GAL -.54 AZL 94.05 HCA 195.05 SMA 129.40 ECC .17409 INC 4.0543 V1 29.331
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.957 GAP 2.59 AZP 86.08 TAL 182.56 TAP 17.60 RCA 106.87 APO 151.93 V2 35.212
 RC 105.723 GL -36.46 GP 7.91 ZAL 98.04 ZAP 124.06 ETS 6.36 ZAE 146.20 ETE 164.90 ZAC 112.20 ETC 19.92 CLP-124.44

PLANETOCENTRIC CONIC

C3 10.218 VHL 3.196 DLA -25.63 RAL 146.62 RAD 6567.4 VEL 11.472 PTH 1.99 VHP 3.310 DPA 21.94 RAP 156.15 ECC 1.1682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 4 29 1099.96 14.13 337.02 1.72 114.80 8 22 49 500.0 17.35 329.83
 90.00 11 40 22 5676.69 27.79 267.75 5.69 95.67 13 14 58 5076.7 28.28 259.12
 100.00 9 0 29 919.14 12.35 322.84 .82 117.44 9 15 48 319.1 15.93 315.88
 100.00 13 27 3 5332.74 29.76 242.62 5.86 92.90 14 55 56 4732.7 29.85 233.81
 110.00 9 22 19 850.65 8.65 315.46 358.63 123.20 9 36 30 250.7 12.96 309.01
 110.00 15 21 42 4974.00 34.05 215.35 5.85 86.73 16 44 36 4374.0 33.22 206.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.1935 TRA -.3243 TC3-4.0876 BAU .5600 SGT 3438.2 SGR 378.4 SG3 1032.9 ST 2149.4 SR 323.2 SS 2359.9
 RDE .1803 RRA -.0018 RC3 .3080 FAU .15947 RRT -.9250 RRF -.9654 RTF .9696 CRT -.9955 CRS .9998 CST -.9939
 FDE-4.6004 FRA .2797 FC-13.5119 BSP 10520 SGB 3459.0 R23 .1762 R13 -.9704 LSA 3203.6 MSA 175.8 SSA 4.5
 BDE 1.2070 BRA .3243 BC3 4.0992 FSP -3279 SG1 3456.0 SG2 143.0 THA 174.18 EL1 2173.4 EL2 30.4 ALF 171.49

LAUNCH DATE JUN 11 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 436.166

RL 151.90 LAL -.00 LOL 259.41 VL 26.847 GAL -.39 AZL 93.93 HCA 198.29 SMA 129.27 ECC .17520 INC 3.9304 V1 29.331
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.950 GAP 2.96 AZP 86.27 TAL 181.82 TAP 20.11 RCA 106.62 APO 151.91 V2 35.220
 RC 107.975 GL -35.56 GP 6.32 ZAL 96.82 ZAP 127.71 ETS 5.90 ZAE 144.36 ETE 168.58 ZAC 112.99 ETC 19.38 CLP-127.99

PLANETOCENTRIC CONIC

C3 10.015 VHL 3.165 DLA -25.35 RAL 148.35 RAD 6567.4 VEL 11.463 PTH 1.99 VHP 3.419 DPA 20.57 RAP 155.24 ECC 1.1648
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 5 54 1114.66 13.70 337.89 3.01 115.02 8 24 29 514.7 16.97 330.73
 90.00 11 52 46 5653.97 27.93 266.11 7.06 94.85 13 27 0 5054.0 28.31 257.46
 100.00 9 3 6 929.98 12.01 323.46 2.15 117.58 9 18 36 330.0 15.61 316.52
 100.00 13 38 15 5313.88 29.82 241.22 7.19 92.17 15 6 49 4713.9 29.80 232.41
 110.00 9 26 23 856.97 8.42 315.79 .01 123.25 9 40 40 257.0 12.73 309.36
 110.00 15 31 28 4959.66 33.98 214.24 7.12 86.08 16 54 8 4359.7 33.07 205.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.2612 TRA -.2816 TC3-4.4631 BAU .5980 SGT 3675.9 SGR 290.5 SG3 976.3 ST 2291.3 SR 268.3 SS 2284.1
 RDE .1482 RRA .0006 RC3 .1760 FAU .14993 RRT -.8690 RRF -.9095 RTF .9711 CRT -.9971 CRS .9992 CST -.9943
 FDE-4.2665 FRA .4220 FC-12.9605 BSP 11295 SGB 3687.3 R23 .1300 R13 -.9714 LSA 3241.8 MSA 172.9 SSA 5.6
 BDE 1.2699 BRA .2816 BC3 4.4666 FSP -3115 SG1 3684.5 SG2 143.4 THA 176.07 EL1 2306.8 EL2 20.4 ALF 173.34

LAUNCH DATE JUN 11 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 442.358

RL 151.90 LAL -.00 LOL 259.41 VL 26.825 GAL -.22 AZL 93.84 HCA 201.53 SMA 129.12 ECC .17644 INC 3.8425 V1 29.331
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.941 GAP 3.33 AZP 86.42 TAL 181.05 TAP 22.57 RCA 106.34 APO 151.90 V2 35.227
 RC 110.226 GL -34.84 GP 5.21 ZAL 95.46 ZAP 131.07 ETS 5.55 ZAE 142.54 ETE 171.12 ZAC 113.39 ETC 18.94 CLP-131.27

PLANETOCENTRIC CONIC

C3 9.902 VHL 3.147 OLA -25.30 RAL 150.11 RAD 6567.4 VEL 11.458 PTH 1.99 VHP 3.540 DPA 19.54 RAP 154.78 ECC 1.1630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 11 53 1115.97 13.67 337.97 4.59 115.04 8 30 29 516.0 16.93 330.81
 90.00 12 0 49 5648.16 27.96 265.68 8.63 94.64 13 34 57 5048.2 28.31 257.04
 100.00 9 9 18 930.58 11.99 323.50 3.74 117.59 9 24 49 330.6 15.59 316.56
 100.00 13 46 5 5308.78 29.83 240.84 8.76 91.97 15 14 34 4708.8 29.79 232.03
 110.00 9 32 50 856.73 8.43 315.78 1.61 123.25 9 47 7 256.7 12.74 309.35
 110.00 15 39 2 4955.40 33.96 213.91 8.66 85.88 17 1 37 4355.4 33.02 204.80

DIFFERENTIAL CORRECTIONS

TDE-1.3298 TRA -.2312 TC3-4.7733 BAU .6320
 RDE .1291 RRA .0041 RC3 .0729 FAU .13932
 FDE-3.9643 FRA .5546 FC-12.1802 BSP 11967
 BDE 1.3360 BRA .2312 BC3 4.7738 FSP -2922

MID-COURSE EXECUTION ACCURACY

SGT 3886.3 SGR 239.7 SG3 914.8
 RRT -.7632 RRF -.8035 RTF .9717
 SGB 3893.7 R23 .0941 R13 -.9719
 SG1 3890.6 SG2 154.7 THA 177.30

ORBIT DETERMINATION ACCURACY

ST 2426.9 SR 235.1 SS 2211.1
 CRT -.9984 CRS .9980 CST -.9946
 LSA 3287.1 MSA 170.0 SSA 6.8
 EL1 2438.2 EL2 13.2 ALF 174.48

LAUNCH DATE JUN 11 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 448.530

RL 151.90 LAL -.00 LOL 259.41 VL 26.802 GAL -.05 AZL 93.78 HCA 204.77 SMA 128.97 ECC .17781 INC 3.7768 V1 29.331
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.931 GAP 3.70 AZP 86.57 TAL 180.23 TAP 25.00 RCA 106.03 APO 151.90 V2 35.233
 RC 112.475 GL -34.23 GP 4.40 ZAL 93.97 ZAP 134.16 ETS 5.26 ZAE 140.82 ETE 172.96 ZAC 113.45 ETC 18.55 CLP-134.33

PLANETOCENTRIC CONIC

C3 9.852 VHL 3.139 OLA -25.39 RAL 151.93 RAD 6567.4 VEL 11.456 PTH 1.99 VHP 3.670 DPA 18.71 RAP 154.67 ECC 1.1621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 20 49 1109.17 13.86 337.57 6.40 114.94 8 39 18 509.2 17.11 330.40
 90.00 12 6 22 5652.93 27.94 266.03 10.39 94.82 13 40 35 5052.9 28.31 257.39
 100.00 9 17 53 924.93 12.17 323.17 5.54 117.52 9 33 18 324.9 15.76 316.22
 100.00 13 52 0 5312.40 29.82 241.11 10.52 92.11 15 20 32 4712.4 29.80 232.30
 110.00 9 40 59 852.46 8.58 315.55 3.41 123.22 9 55 11 252.5 12.90 309.11
 110.00 15 45 23 4957.64 33.97 214.08 10.44 85.98 17 8 0 4357.6 33.05 204.97

DIFFERENTIAL CORRECTIONS

TDE-1.4073 TRA -.1878 TC3-5.0935 BAU .6709
 RDE .1186 RRA .0096 RC3 -.0037 FAU .13173
 FDE-3.7282 FRA .6158 FC-11.5559 BSP 13003
 BDE 1.4123 BRA .1881 BC3 5.0935 FSP -2885

MID-COURSE EXECUTION ACCURACY

SGT 4119.1 SGR 217.4 SG3 866.9
 RRT -.6210 RRF -.6566 RTF .9738
 SGB 4124.8 R23 .0649 R13 -.9739
 SG1 4121.3 SG2 170.3 THA 178.12

ORBIT DETERMINATION ACCURACY

ST 2573.2 SR 216.6 SS 2162.5
 CRT -.9991 CRS .9961 CST -.9951
 LSA 3364.2 MSA 164.2 SSA 7.9
 EL1 2582.3 EL2 8.9 ALF 175.19

LAUNCH DATE JUN 11 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 454.683

RL 151.90 LAL -.00 LOL 259.41 VL 26.778 GAL .14 AZL 93.73 HCA 208.01 SMA 128.80 ECC .17932 INC 3.7254 V1 29.331
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.919 GAP 4.07 AZP 86.71 TAL 179.37 TAP 27.38 RCA 105.71 APO 151.90 V2 35.239
 RC 114.720 GL -33.67 GP 3.78 ZAL 92.37 ZAP 137.02 ETS 5.01 ZAE 139.23 ETE 174.32 ZAC 113.24 ETC 18.19 CLP-137.15

PLANETOCENTRIC CONIC

C3 9.850 VHL 3.138 OLA -25.58 RAL 153.82 RAD 6567.4 VEL 11.456 PTH 1.99 VHP 3.808 DPA 17.99 RAP 154.86 ECC 1.1621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 32 2 1096.64 14.22 336.82 8.41 114.75 8 50 19 496.6 17.44 329.63
 90.00 12 10 15 5665.39 27.86 266.94 12.32 95.26 13 44 41 5065.4 28.30 258.30
 100.00 9 28 18 914.98 12.48 322.60 7.54 117.38 9 43 33 315.0 16.05 315.63
 100.00 13 56 41 5322.29 29.80 241.84 12.47 92.50 15 25 23 4722.3 29.83 233.04
 110.00 9 50 26 845.52 8.84 315.18 5.38 123.15 10 4 32 245.5 13.15 308.73
 110.00 15 51 2 4964.51 34.01 214.62 12.42 86.30 17 13 46 4364.5 33.12 205.49

DIFFERENTIAL CORRECTIONS

TDE-1.4657 TRA -.1106 TC3-5.2656 BAU .6935
 RDE .1118 RRA .0137 RC3 -.0731 FAU .11908
 FDE-3.4295 FRA .7785 FC-10.4661 BSP 13082
 BDE 1.4699 BRA .1115 BC3 5.2662 FSP -2512

MID-COURSE EXECUTION ACCURACY

SGT 4258.4 SGR 211.0 SG3 795.8
 RRT -.4458 RRF -.4797 RTF .9717
 SGB 4263.6 R23 .0511 R13 -.9717
 SG1 4259.5 SG2 188.8 THA 178.73

ORBIT DETERMINATION ACCURACY

ST 2678.4 SR 204.2 SS 2066.9
 CRT -.9989 CRS .9925 CST -.9949
 LSA 3385.3 MSA 164.8 SSA 9.1
 EL1 2686.2 EL2 9.5 ALF 175.64

LAUNCH DATE JUN 11 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 460.817

RL 151.90 LAL -.00 LOL 259.41 VL 26.752 GAL .34 AZL 93.68 HCA 211.26 SMA 128.63 ECC .18096 INC 3.6839 V1 29.331
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.906 GAP 4.43 AZP 86.85 TAL 178.47 TAP 29.72 RCA 105.35 APO 151.91 V2 35.244
 RC 116.961 GL -33.13 GP 3.29 ZAL 90.66 ZAP 139.67 ETS 4.79 ZAE 137.78 ETE 175.37 ZAC 112.80 ETC 17.84 CLP-139.78

PLANETOCENTRIC CONIC

C3 9.891 VHL 3.145 OLA -25.83 RAL 155.80 RAD 6567.4 VEL 11.458 PTH 1.99 VHP 3.953 DPA 17.32 RAP 155.28 ECC 1.1628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 45 6 1079.89 14.70 335.82 10.62 114.48 9 3 6 479.9 17.88 328.59
 90.00 12 12 58 5683.80 27.74 268.27 14.41 95.92 13 47 42 5083.8 28.27 259.64
 100.00 9 40 11 902.05 12.88 321.85 9.71 117.21 9 55 13 302.0 16.43 314.86
 100.00 14 0 35 5336.87 29.75 242.92 14.59 93.06 15 29 32 4736.9 29.86 234.12
 110.00 10 0 56 836.89 9.16 314.72 7.51 123.08 10 14 53 236.9 13.46 308.25
 110.00 15 56 18 4974.79 34.05 215.42 14.58 86.77 17 19 13 4374.8 33.23 206.27

DIFFERENTIAL CORRECTIONS

TDE-1.5426 TRA -.0427 TC3-5.4696 BAU .7235
 RDE .1099 RRA .0194 RC3 -.1239 FAU .11061
 FDE-3.2370 FRA .8611 FC3-9.6813 BSP 13745
 BDE 1.5465 BRA .0469 BC3 5.4711 FSP -2383

MID-COURSE EXECUTION ACCURACY

SGT 4443.1 SGR 218.4 SG3 747.7
 RRT -.3069 RRF -.3373 RTF .9719
 SGB 4448.5 R23 .0403 R13 -.9719
 SG1 4443.7 SG2 207.9 THA 179.13

ORBIT DETERMINATION ACCURACY

ST 2812.3 SR 200.6 SS 2022.8
 CRT -.9976 CRS .9883 CST -.9952
 LSA 3466.2 MSA 161.3 SSA 10.2
 EL1 2819.4 EL2 13.8 ALF 175.93

LAUNCH DATE JUN 11 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 466.931

RL 151.90 LAL -.00 LOL 259.41 VL 26.726 GAL .55 AZL 93.65 HCA 214.50 SMA 128.45 ECC .18275 INC 3.6495 V1 29.331
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.891 GAP 4.80 AZP 86.99 TAL 177.53 TAP 32.03 RCA 104.98 APO 151.93 V2 35.248
 RC 119.197 GL -32.59 GP 2.90 ZAL 88.86 ZAP 142.14 ETS 4.60 ZAE 136.46 ETE 176.19 ZAC 112.15 ETC 17.50 CLP-142.23

PLANETOCENTRIC CONIC

C3 9.973 VHL 3.158 DLA -26.13 RAL 157.86 RAD 6567.4 VEL 11.461 PTH 1.99 VHP 4.103 DPA 16.67 RAP 155.92 ECC 1.1641
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 48 1059.66 15.26 334.61 13.00 114.14 9 17 28 459.7 18.40 327.33
 90.00 12 14 44 5707.29 27.56 269.96 16.65 96.75 13 49 51 5107.3 28.21 261.36
 100.00 9 53 17 886.95 13.35 320.98 12.06 117.00 10 8 4 286.9 16.87 313.95
 100.00 14 3 56 5355.23 29.68 244.28 16.87 93.77 15 33 11 4755.2 29.88 235.48
 110.00 10 12 19 827.22 9.52 314.20 9.81 122.99 10 26 6 227.2 13.80 307.71
 110.00 16 1 24 4987.72 34.09 216.42 16.92 87.36 17 24 31 4387.7 33.35 207.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6147 TRA .0336 TC3-5.6360 BAU .7517 SGT 4610.6 SGR 231.3 SG3 700.7 ST 2931.6 SR 200.9 SS 1967.9
 RDE .1104 RRA .0253 RC3 -.1645 FAU .10273 RRT -.2002 RRF -.2258 RTF .9721 CRT -.9952 CRS .9830 CST -.9954
 FDE-3.0421 FRA .9368 FC3-8.9186 BSP 14321 SGB 4616.4 R23 .0314 R13 -.9721 LSA 3533.0 MSA 157.8 SSA 11.3
 BDE 1.6184 BRA .0421 BC3 5.6384 FSP -2243 SG1 4610.9 SG2 226.6 THA 179.42 EL1 2938.4 EL2 19.6 ALF 176.10

LAUNCH DATE JUN 11 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 473.025

RL 151.90 LAL -.00 LOL 259.41 VL 26.698 GAL .78 AZL 93.62 HCA 217.75 SMA 128.27 ECC .18468 INC 3.6203 V1 29.331
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.875 GAP 5.16 AZP 87.14 TAL 176.56 TAP 34.31 RCA 104.58 APO 151.96 V2 35.252
 RC 121.426 GL -32.04 GP 2.58 ZAL 86.97 ZAP 144.44 ETS 4.43 ZAE 135.28 ETE 176.85 ZAC 111.32 ETC 17.17 CLP-144.52

PLANETOCENTRIC CONIC

C3 10.094 VHL 3.177 DLA -26.46 RAL 160.01 RAD 6567.4 VEL 11.467 PTH 1.99 VHP 4.259 DPA 16.04 RAP 156.73 ECC 1.1661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 2 1036.35 15.91 333.20 15.57 113.74 9 33 19 436.3 18.98 325.87
 90.00 12 15 40 5735.44 27.32 271.99 19.02 97.74 13 51 15 5135.4 28.11 263.41
 100.00 10 7 28 870.27 13.86 320.00 14.57 116.75 10 21 58 270.3 17.34 312.94
 100.00 14 6 55 5376.75 29.37 245.87 19.30 94.61 15 36 32 4776.8 29.89 237.08
 110.00 10 24 25 817.03 9.90 313.65 12.25 122.89 10 38 2 217.0 14.16 307.15
 110.00 16 6 27 5002.76 34.13 217.60 19.42 88.06 17 29 50 4402.8 33.49 208.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6871 TRA .1190 TC3-5.7560 BAU .7772 SGT 4763.6 SGR 247.2 SG3 656.1 ST 3045.3 SR 204.7 SS 1916.3
 RDE .1130 RRA .0312 RC3 -.1967 FAU .09504 RRT -.1255 RRF -.1484 RTF .9719 CRT -.9918 CRS .9770 CST -.9956
 FDE-2.8669 FRA 1.0067 FC3-8.1512 BSP 14828 SGB 4770.0 R23 .0263 R13 -.9720 LSA 3600.5 MSA 154.5 SSA 12.4
 BDE 1.6909 BRA .1230 BC3 5.7594 FSP -2104 SG1 4763.7 SG2 245.3 THA 179.63 EL1 3052.1 EL2 26.1 ALF 176.19

LAUNCH DATE JUN 11 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 479.100

RL 151.90 LAL -.00 LOL 259.41 VL 26.669 GAL 1.02 AZL 93.60 HCA 221.00 SMA 128.08 ECC .18676 INC 3.5951 V1 29.331
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.858 GAP 5.52 AZP 87.29 TAL 175.56 TAP 36.56 RCA 104.16 APO 152.00 V2 35.255
 RC 123.648 GL -31.47 GP 2.32 ZAL 85.00 ZAP 146.59 ETS 4.26 ZAE 134.21 ETE 177.38 ZAC 110.34 ETC 16.85 CLP-146.67

PLANETOCENTRIC CONIC

C3 10.258 VHL 3.203 DLA -26.81 RAL 162.25 RAD 6567.4 VEL 11.474 PTH 1.99 VHP 4.419 DPA 15.40 RAP 157.71 ECC 1.1688
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 33 47 1010.08 16.62 331.60 18.31 113.26 9 50 37 410.1 19.63 324.21
 90.00 12 15 45 5768.16 27.00 274.33 21.52 98.87 13 51 53 5168.2 27.95 265.79
 100.00 10 22 34 852.52 14.41 318.96 17.24 116.48 10 36 46 252.5 17.85 311.86
 100.00 14 9 40 5400.95 29.42 247.66 21.87 95.53 15 39 41 4801.0 29.88 238.88
 110.00 10 37 8 806.77 10.28 313.10 14.84 122.78 10 50 35 206.8 14.53 306.58
 110.00 16 11 35 5019.46 34.17 218.90 22.08 88.83 17 35 14 4419.5 33.63 209.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7591 TRA .2117 TC3-5.8430 BAU .8019 SGT 4908.3 SGR 264.1 SG3 615.0 ST 3151.5 SR 211.2 SS 1864.5
 RDE .1174 RRA .0373 RC3 -.2211 FAU .08810 RRT -.0762 RRF -.0964 RTF .9720 CRT -.9877 CRS .9705 CST -.9958
 FDE-2.7049 FRA 1.0675 FC3-7.4351 BSP 15332 SGB 4915.4 R23 .0222 R13 -.9720 LSA 3664.7 MSA 151.1 SSA 13.4
 BDE 1.7630 BRA .2149 BC3 5.8472 FSP -1982 SG1 4908.4 SG2 263.3 THA 179.76 EL1 3158.4 EL2 33.0 ALF 176.21

LAUNCH DATE JUN 11 1967

FLIGHT TIME 172.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 485.153

RL 151.90 LAL -.00 LOL 259.41 VL 26.640 GAL 1.27 AZL 93.57 HCA 224.25 SMA 127.89 ECC .18900 INC 3.5730 V1 29.331
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.839 GAP 5.89 AZP 87.44 TAL 174.53 TAP 38.77 RCA 103.72 APO 152.06 V2 35.257
 RC 125.861 GL -30.87 GP 2.10 ZAL 82.96 ZAP 148.61 ETS 4.12 ZAE 133.25 ETE 177.82 ZAC 109.21 ETC 16.53 CLP-148.68

PLANETOCENTRIC CONIC

C3 10.466 VHL 3.235 DLA -27.16 RAL 164.57 RAD 6567.4 VEL 11.483 PTH 2.00 VHP 4.585 DPA 14.75 RAP 158.82 ECC 1.1723
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 53 8 980.55 17.40 329.79 21.22 112.69 10 9 29 380.6 20.33 322.33
 90.00 12 14 53 5805.79 26.58 277.00 24.14 100.15 13 51 39 5205.8 27.71 268.52
 100.00 10 38 28 834.09 14.96 317.88 20.07 116.18 10 52 22 234.1 18.36 310.73
 100.00 14 12 14 5427.48 29.23 249.61 24.58 96.54 15 42 42 4827.5 29.83 240.85
 110.00 10 50 20 796.85 10.64 312.56 17.57 122.68 11 3 37 196.8 14.88 306.02
 110.00 16 16 52 5037.49 34.18 220.31 24.89 89.66 17 40 50 4437.5 33.76 211.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8285 TRA .3162 TC3-5.8769 BAU .8230 SGT 5034.1 SGR 281.0 SG3 575.4 ST 3245.8 SR 219.7 SS 1810.3
 RDE .1232 RRA .0433 RC3 -.2391 FAU .08120 RRT -.0451 RRF -.0640 RTF .9715 CRT -.9830 CRS .9636 CST -.9959
 FDE-2.5513 FRA 1.1289 FC3-6.7163 BSP 15714 SGB 5041.9 R23 .0200 R13 -.9715 LSA 3720.0 MSA 148.4 SSA 14.3
 BDE 1.8326 BRA .3191 BC3 5.8818 FSP -1850 SG1 5034.1 SG2 280.7 THA 179.86 EL1 3253.0 EL2 40.3 ALF 176.19

LAUNCH DATE JUN 11 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 491.185

RL 151.90 LAL -.00 LOL 259.41 VL 26.610 GAL 1.54 AZL 93.55 MCA 227.49 SMA 127.69 ECC .19140 INC 3.5533 V1 29.331
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.819 GAP 6.26 AZP 87.60 TAL 173.47 TAP 40.96 RCA 103.25 APO 152.13 V2 35.258
 RC 128.066 GL -30.23 GP 1.91 ZAL 80.85 ZAP 150.52 ETS 3.98 ZAE 132.38 ETE 178.18 ZAC 107.96 ETC 16.22 CLP-150.57

PLANETOCENTRIC CONIC

C3 10.723 VHL 3.275 DLA -27.51 RAL 166.96 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 4.755 DPA 14.08 RAP 160.05 ECC 1.1765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 14 21 946.91 18.28 327.70 24.32 112.01 10 30 8 346.9 21.10 320.17
 90.00 12 12 45 5849.26 26.02 280.06 26.84 101.58 13 50 14 5249.3 27.36 271.65
 100.00 10 55 2 815.44 15.52 316.77 23.04 115.87 11 8 38 215.4 18.87 309.59
 100.00 14 14 45 5455.97 28.99 251.69 27.41 97.61 15 45 41 4856.0 29.74 242.97
 110.00 11 3 53 787.68 10.98 312.07 20.43 122.58 11 17 0 187.7 15.20 305.50
 110.00 16 22 24 5056.50 34.18 221.79 27.84 90.54 17 46 40 4456.5 33.88 212.56

DIFFERENTIAL CORRECTIONS

TDE-1.8998 TRA .4267 TC3-5.8864 BAU .8446
 RDE .1303 RRA .0491 RC3 -.2509 FAU .07512
 FDE-2.4135 FRA 1.1798 FC3-6.0649 BSP 16151
 BDE 1.9043 BRA .4295 BC3 5.8918 FSP -1743

MID-COURSE EXECUTION ACCURACY

SGT 5159.5 SGR 297.3 SG3 539.8
 RRT -.0281 RRF -.0457 RTF .9714
 SGB 5168.1 R23 .0183 R13 -.9714
 SG1 5159.5 SG2 297.2 THA 179.91

ORBIT DETERMINATION ACCURACY

ST 3335.7 SR 230.0 SS 1759.1
 CRT -.9780 CRS .9569 CST -.9961
 LSA 3775.2 MSA 146.0 SSA 15.2
 EL1 3343.2 EL2 47.9 ALF 176.14

LAUNCH DATE JUN 11 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 497.195

RL 151.90 LAL -.00 LOL 259.41 VL 26.579 GAL 1.82 AZL 93.54 MCA 230.74 SMA 127.49 ECC .19398 INC 3.5355 V1 29.331
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.798 GAP 6.63 AZP 87.76 TAL 172.39 TAP 43.13 RCA 102.76 APO 152.22 V2 35.259
 RC 130.261 GL -29.55 GP 1.75 ZAL 78.70 ZAP 152.31 ETS 3.85 ZAE 131.61 ETE 178.48 ZAC 106.60 ETC 15.92 CLP-152.36

PLANETOCENTRIC CONIC

C3 11.032 VHL 3.322 DLA -27.85 RAL 169.41 RAD 6567.4 VEL 11.507 PTH 2.00 VHP 4.930 DPA 13.40 RAP 161.38 ECC 1.1816
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 38 13 906.60 19.29 325.17 27.61 111.14 10 53 20 306.6 21.99 317.55
 90.00 12 8 29 613.18 25.26 305.77 29.60 103.24 12 18 42 13.2 26.83 297.46
 100.00 11 12 8 796.95 16.07 315.67 26.15 115.55 11 25 25 196.9 19.37 308.44
 100.00 14 17 15 5486.10 28.70 253.88 30.35 98.73 15 48 41 4886.1 29.61 245.20
 110.00 11 17 39 779.62 11.28 311.63 23.41 122.49 11 30 39 179.6 15.48 305.05
 110.00 16 28 13 5076.19 34.16 223.33 30.92 91.45 17 52 49 4476.2 33.98 214.09

DIFFERENTIAL CORRECTIONS

TDE-1.9708 TRA .5474 TC3-5.8577 BAU .8648
 RDE .1388 RRA .0548 RC3 -.2572 FAU .06947
 FDE-2.2875 FRA 1.2279 FC3-5.4518 BSP 16552
 BDE 1.9757 BRA .5502 BC3 5.8634 FSP -1642

MID-COURSE EXECUTION ACCURACY

SGT 5276.4 SGR 313.0 SG3 506.9
 RRT -.0212 RRF -.0382 RTF .9712
 SGB 5285.7 R23 .0175 R13 -.9712
 SG1 5276.4 SG2 312.9 THA 179.93

ORBIT DETERMINATION ACCURACY

ST 3416.7 SR 241.6 SS 1709.1
 CRT -.9728 CRS .9502 CST -.9963
 LSA 3825.2 MSA 144.0 SSA 16.0
 EL1 3424.8 EL2 55.8 ALF 176.06

LAUNCH DATE JUN 11 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 503.181

RL 151.90 LAL -.00 LOL 259.41 VL 26.548 GAL 2.12 AZL 93.52 MCA 233.99 SMA 127.29 ECC .19674 INC 3.5194 V1 29.331
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.776 GAP 7.00 AZP 87.93 TAL 171.28 TAP 45.27 RCA 102.24 APO 152.33 V2 35.259
 RC 132.447 GL -28.84 GP 1.62 ZAL 76.50 ZAP 154.01 ETS 3.73 ZAE 130.91 ETE 178.74 ZAC 105.14 ETC 15.62 CLP-154.06

PLANETOCENTRIC CONIC

C3 11.400 VHL 3.376 DLA -28.17 RAL 171.93 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 5.110 DPA 12.69 RAP 162.81 ECC 1.1876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 11 7 48 849.64 20.64 321.55 31.16 109.82 11 21 58 249.6 23.16 313.78
 90.00 11 58 57 683.67 24.07 310.59 32.33 105.38 12 10 21 83.7 25.95 302.43
 100.00 11 29 37 779.06 16.59 314.60 29.38 115.23 11 42 36 179.1 19.85 307.33
 100.00 14 19 49 5517.53 28.36 256.15 33.40 99.88 15 51 47 4917.5 29.43 247.51
 110.00 11 31 31 773.06 11.52 311.27 26.51 122.41 11 44 24 173.1 15.71 304.68
 110.00 16 34 24 5096.29 34.11 224.90 34.12 92.38 17 59 20 4496.3 34.06 215.65

DIFFERENTIAL CORRECTIONS

TDE-2.0413 TRA .6767 TC3-5.7948 BAU .8841
 RDE .1485 RRA .0601 RC3 -.2587 FAU .06428
 FDE-2.1706 FRA 1.2707 FC3-4.8814 BSP 16939
 BDE 2.0467 BRA .6794 BC3 5.8006 FSP -1550

MID-COURSE EXECUTION ACCURACY

SGT 5386.0 SGR 327.7 SG3 476.5
 RRT -.0218 RRF -.0383 RTF .9711
 SGB 5395.9 R23 .0171 R13 -.9711
 SG1 5386.0 SG2 327.6 THA 179.92

ORBIT DETERMINATION ACCURACY

ST 3488.0 SR 254.4 SS 1658.9
 CRT -.9677 CRS .9438 CST -.9964
 LSA 3868.1 MSA 142.6 SSA 16.7
 EL1 3496.7 EL2 64.0 ALF 175.96

LAUNCH DATE JUN 11 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 509.144

RL 151.90 LAL -.00 LOL 259.41 VL 26.516 GAL 2.44 AZL 93.50 MCA 237.24 SMA 127.08 ECC .19970 INC 3.5045 V1 29.331
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.752 GAP 7.38 AZP 88.10 TAL 170.15 TAP 47.39 RCA 101.70 APO 152.46 V2 35.258
 RC 134.624 GL -28.09 GP 1.50 ZAL 74.28 ZAP 155.62 ETS 3.63 ZAE 130.28 ETE 178.95 ZAC 103.59 ETC 15.34 CLP-155.67

PLANETOCENTRIC CONIC

C3 11.832 VHL 3.440 DLA -28.46 RAL 174.49 RAD 6567.5 VEL 11.542 PTH 2.01 VHP 5.296 DPA 11.97 RAP 164.32 ECC 1.1947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.05 11 18 45 854.90 22.40 322.58 34.96 108.02 11 33 0 254.9 24.66 314.63
 92.95 12 8 26 693.93 22.41 310.80 34.96 108.01 12 19 59 93.9 24.67 302.85
 100.00 11 47 18 762.23 17.07 313.59 32.73 114.92 12 0 0 162.2 20.29 306.27
 100.00 14 22 34 5549.87 27.96 258.47 36.55 101.04 15 55 4 4949.9 29.19 249.89
 110.00 11 45 21 768.33 11.69 311.01 29.70 122.35 11 58 9 168.3 15.88 304.41
 110.00 16 41 0 5116.53 34.04 226.48 37.44 93.31 18 6 16 4516.5 34.13 217.23

DIFFERENTIAL CORRECTIONS

TDE-2.1079 TRA .8199 TC3-5.6869 BAU .9005
 RDE .1593 RRA .0650 RC3 -.2561 FAU .05923
 FDE-2.0570 FRA 1.3155 FC3-4.3339 BSP 17219
 BDE 2.1139 BRA .8225 BC3 5.6926 FSP -1455

MID-COURSE EXECUTION ACCURACY

SGT 5481.5 SGR 341.5 SG3 447.6
 RRT -.0272 RRF -.0433 RTF .9707
 SGB 5492.1 R23 .0168 R13 -.9707
 SG1 5481.5 SG2 341.4 THA 179.90

ORBIT DETERMINATION ACCURACY

ST 3543.9 SR 267.9 SS 1605.4
 CRT -.9623 CRS .9372 CST -.9965
 LSA 3897.1 MSA 142.5 SSA 17.2
 EL1 3553.2 EL2 72.7 ALF 175.84

LAUNCH DATE JUN 11 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 515.080

RL 151.90 LAL -.00 LOL 259.41 VL 26.483 GAL 2.77 AZL 93.49 MCA 240.48 SMA 126.87 ECC .20286 INC 3.4906 V1 29.331
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.728 GAP 7.76 AZP 88.28 TAL 169.00 TAP 49.49 RCA 101.13 APO 152.61 V2 35.256
 RC 136.791 GL -27.30 GP 1.39 ZAL 72.03 ZAP 157.16 ETS 3.53 ZAE 129.71 ETE 179.13 ZAC 101.96 ETC 15.08 CLP-157.20

PLANETOCENTRIC CONIC

C3 12.335 VML 3.512 DLA -28.72 RAL 177.08 RAD 6567.5 VEL 11.564 PTH 2.02 VHP 5.488 DPA 11.22 RAP 165.89 ECC 1.2030
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.02 11 12 18 917.98 22.41 327.21 38.23 108.44 11 27 36 318.0 24.72 319.27
 94.98 12 35 34 648.43 22.42 307.47 38.24 108.43 12 46 22 48.4 24.73 299.53
 100.00 12 4 57 747.07 17.51 312.67 36.18 114.62 12 17 24 147.1 20.68 303.31
 100.00 14 25 36 5582.61 27.51 260.80 39.77 102.19 15 58 39 4982.6 28.91 252.28
 110.00 11 59 0 765.80 11.78 310.88 32.97 122.32 12 11 46 165.8 15.96 304.27
 110.00 16 48 3 5136.64 33.95 228.04 40.85 94.23 18 13 39 4536.6 34.17 218.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1763 TRA .9699 TC3-5.5561 BAU .9172 SGT 5576.0 SGR 354.3 SG3 421.4 ST 3593.3 SR 282.1 SS 1554.8
 RDE .1713 RRA .0695 RC3 -.2497 FAU .05471 RRT -.0376 RRF -.0536 RTF .9705 CRT -.9572 CRS .9313 CST -.9967
 FDE-1.9553 FRA 1.3533 FC3-3.8399 BSP 17559 SGB 5587.3 R23 .0171 R13 -.9705 LSA 3922.8 MSA 142.8 SSA 17.6
 BOE 2.1831 BRA .9724 BC3 5.5617 FSP -1376 SG1 5576.0 SG2 354.0 THA 179.86 EL1 3603.5 EL2 81.4 ALF 175.70

LAUNCH DATE JUN 11 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 520.989

RL 151.90 LAL -.00 LOL 259.41 VL 26.450 GAL 3.12 AZL 93.48 MCA 243.73 SMA 126.66 ECC .20625 INC 3.4777 V1 29.331
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.703 GAP 8.15 AZP 88.46 TAL 167.84 TAP 51.57 RCA 100.54 APO 152.78 V2 35.254
 RC 138.949 GL -26.47 GP 1.30 ZAL 69.76 ZAP 158.63 ETS 3.45 ZAE 129.20 ETE 179.28 ZAC 100.26 ETC 14.82 CLP-158.67

PLANETOCENTRIC CONIC

C3 12.918 VML 3.594 DLA -28.94 RAL 179.70 RAD 6567.5 VEL 11.589 PTH 2.03 VHP 5.686 DPA 10.45 RAP 167.53 ECC 1.2126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.77 11 12 38 960.47 22.36 330.32 41.60 108.86 11 28 39 360.5 24.73 322.40
 96.23 12 56 7 625.68 22.37 305.78 41.60 108.85 13 6 32 25.7 24.74 297.86
 100.00 12 22 21 734.27 17.87 311.89 39.70 114.37 12 34 35 134.3 21.01 304.50
 100.00 14 29 5 5615.15 27.02 263.10 43.08 103.30 16 2 40 5015.2 28.58 254.64
 110.00 12 12 20 765.78 11.78 310.87 36.31 122.32 12 25 6 165.8 15.96 304.27
 110.00 16 55 35 5156.41 33.84 229.57 44.36 95.13 18 21 32 4556.4 34.18 220.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2438 TRA 1.1303 TC3-5.3965 BAU .9329 SGT 5664.0 SGR 366.1 SG3 397.0 ST 3631.8 SR 296.7 SS 1504.2
 RDE .1844 RRA .0734 RC3 -.2401 FAU .05051 RRT -.0513 RRF -.0674 RTF .9704 CRT -.9522 CRS .9256 CST -.9968
 FDE-1.8601 FRA 1.3885 FC3-3.3852 BSP 17882 SGB 5675.9 R23 .0174 R13 -.9704 LSA 3939.4 MSA 144.1 SSA 17.9
 BOE 2.2514 BRA 1.1326 BC3 5.4018 FSP -1303 SG1 5664.1 SG2 365.6 THA 179.81 EL1 3642.7 EL2 90.4 ALF 175.55

LAUNCH DATE JUN 11 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 526.869

RL 151.90 LAL -.00 LOL 259.41 VL 26.417 GAL 3.48 AZL 93.47 MCA 246.98 SMA 126.45 ECC .20987 INC 3.4654 V1 29.331
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.677 GAP 8.55 AZP 88.64 TAL 166.65 TAP 53.63 RCA 99.91 APO 152.99 V2 35.251
 RC 141.095 GL -25.62 GP 1.22 ZAL 67.50 ZAP 160.04 ETS 3.37 ZAE 128.73 ETE 179.41 ZAC 98.50 ETC 14.58 CLP-160.07

PLANETOCENTRIC CONIC

C3 13.590 VML 3.686 DLA -29.12 RAL 182.32 RAD 6567.5 VEL 11.618 PTH 2.04 VHP 5.891 DPA 9.66 RAP 169.22 ECC 1.2237
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.91 11 16 10 993.83 22.25 332.73 45.04 109.28 11 32 44 393.8 24.68 324.84
 97.09 13 13 33 614.28 22.26 304.90 45.05 109.27 13 23 47 14.3 24.69 297.00
 100.00 12 39 9 724.70 18.13 311.31 43.29 114.18 12 51 14 124.7 21.25 303.89
 100.00 14 33 14 5646.69 26.51 265.30 46.45 104.35 16 7 21 5046.7 28.22 256.92
 110.00 12 25 14 768.52 11.68 311.02 39.71 122.36 12 38 3 168.5 15.87 304.42
 110.00 17 3 39 5175.63 33.72 231.06 47.95 96.00 18 29 54 4575.6 34.18 221.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3092 TRA 1.3025 TC3-5.2092 BAU .9473 SGT 5744.7 SGR 376.9 SG3 374.2 ST 3657.6 SR 311.4 SS 1453.1
 RDE .1986 RRA .0766 RC3 -.2280 FAU .04657 RRT -.0675 RRF -.0836 RTF .9702 CRT -.9472 CRS .9199 CST -.9969
 FDE-1.7701 FRA 1.4229 FC3-2.9666 BSP 18171 SGB 5757.1 R23 .0178 R13 -.9702 LSA 3945.2 MSA 146.3 SSA 18.0
 BOE 2.3177 BRA 1.3047 BC3 5.2142 FSP -1234 SG1 5744.8 SG2 376.1 THA 179.75 EL1 3669.5 EL2 99.5 ALF 175.39

LAUNCH DATE JUN 11 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 532.719

RL 151.90 LAL -.00 LOL 259.41 VL 26.384 GAL 3.87 AZL 93.45 MCA 250.22 SMA 126.24 ECC .21375 INC 3.4537 V1 29.331
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.650 GAP 8.95 AZP 88.83 TAL 165.46 TAP 55.68 RCA 99.25 APO 153.22 V2 35.247
 RC 143.232 GL -24.74 GP 1.15 ZAL 65.24 ZAP 161.39 ETS 3.32 ZAE 128.31 ETE 179.52 ZAC 96.69 ETC 14.36 CLP-161.43

PLANETOCENTRIC CONIC

C3 14.361 VML 3.790 DLA -29.26 RAL 184.95 RAD 6567.6 VEL 11.651 PTH 2.05 VHP 6.103 DPA 8.84 RAP 170.95 ECC 1.2363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.31 11 21 51 1021.32 22.08 334.70 48.54 109.70 11 38 53 421.3 24.56 326.83
 97.69 13 28 47 611.06 22.09 304.59 48.55 109.69 13 38 58 11.1 24.57 296.73
 100.00 12 55 0 719.44 18.28 310.98 46.92 114.07 13 6 59 119.4 21.38 303.56
 100.00 14 38 20 5676.21 25.99 267.35 49.90 105.31 16 12 56 5076.2 27.84 259.03
 110.00 12 37 35 774.27 11.47 311.34 43.14 122.42 12 50 29 174.3 15.67 304.75
 110.00 17 12 14 5194.15 33.57 232.49 51.60 96.84 18 38 48 4594.1 34.16 223.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3697 TRA 1.4895 TC3-4.9889 BAU .9587 SGT 5813.5 SGR 386.8 SG3 352.8 ST 3667.3 SR 325.9 SS 1399.9
 RDE .2138 RRA .0790 RC3 -.2140 FAU .04274 RRT -.0852 RRF -.1010 RTF .9698 CRT -.9420 CRS .9140 CST -.9970
 FDE-1.6822 FRA 1.4588 FC3-2.5765 BSP 18361 SGB 5826.4 R23 .0180 R13 -.9698 LSA 3936.0 MSA 149.9 SSA 17.9
 BOE 2.3793 BRA 1.4916 BC3 4.9935 FSP -1162 SG1 5813.6 SG2 385.3 THA 179.67 EL1 3680.1 EL2 109.0 ALF 175.21

LAUNCH DATE JUN 11 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 538.534

RL 151.90 LAL -.00 LOL 259.41 VL 26.350 GAL 4.28 AZL 93.44 HCA 253.47 SMA 126.02 ECC .21791 INC 3.4425 V1 29.331
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.622 GAP 9.37 AZP 89.02 TAL 164.25 TAP 57.72 RCA 98.56 APO 153.49 V2 35.243
 RC 145.356 GL -23.84 GP 1.09 ZAL 63.01 ZAP 162.70 ETS 3.28 ZAE 127.92 ETE 179.61 ZAC 94.82 ETC 14.15 CLP-162.73

PLANETOCENTRIC CONIC

C3 15.244 VHL 3.904 DLA -29.35 RAL 187.56 RAD 6567.6 VEL 11.689 PTH 2.06 VHP 6.324 DPA 8.01 RAP 172.73 ECC 1.2509
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.93 11 29 14 1044.36 21.84 336.30 52.10 110.12 11 46 38 444.4 24.38 328.47
 98.07 13 42 13 614.64 21.85 304.77 52.10 110.10 13 52 28 14.6 24.39 296.93
 100.00 13 9 25 719.82 18.27 311.01 50.56 114.08 13 21 24 119.8 21.37 303.58
 100.00 14 44 44 5702.46 25.51 269.15 53.41 106.14 16 19 46 5102.5 27.47 260.90
 110.00 12 49 17 783.18 11.15 311.82 46.59 122.53 13 2 21 183.2 15.36 305.25
 110.00 17 21 20 5211.85 33.42 233.85 55.32 97.63 18 48 12 4611.9 34.12 224.67

DIFFERENTIAL CORRECTIONS

TDE-2.4325 TRA 1.6844 TC3-4.7598 BAU .9709
 RDE .2302 RRA .0805 RC3 -.1984 FAU .03932
 FDE-1.6035 FRA 1.4896 FC3-2.2332 BSP 18627
 BDE 2.4434 BRA 1.6863 BC3 4.7640 FSP -1103

MID-COURSE EXECUTION ACCURACY

SGT 5882.2 SGR 395.6 SG3 333.1
 RRT -.1055 RRF -.1210 RTF .9697
 SGB 5895.5 R23 .0184 R13 -.9697
 SG1 5882.3 SG2 393.4 THA 179.59

ORBIT DETERMINATION ACCURACY

ST 3671.3 SR 340.3 SS 1350.1
 CRT -.9371 CRS .9087 CST -.9971
 LSA 3923.5 MSA 153.7 SSA 17.7
 EL1 3685.2 EL2 118.3 ALF 175.03

LAUNCH DATE JUN 11 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 544.313

RL 151.90 LAL -.00 LOL 259.41 VL 26.317 GAL 4.71 AZL 93.43 HCA 256.71 SMA 125.81 ECC .22237 INC 3.4317 V1 29.331
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.593 GAP 9.80 AZP 89.21 TAL 163.04 TAP 59.75 RCA 97.84 APO 153.79 V2 35.237
 RC 147.469 GL -22.92 GP 1.03 ZAL 60.80 ZAP 163.96 ETS 3.26 ZAE 127.57 ETE 179.68 ZAC 92.91 ETC 13.96 CLP-163.99

PLANETOCENTRIC CONIC

C3 16.254 VHL 4.032 DLA -29.40 RAL 190.14 RAD 6567.7 VEL 11.732 PTH 2.07 VHP 6.554 DPA 7.17 RAP 174.54 ECC 1.2675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.73 11 38 0 1063.76 21.53 337.62 55.69 110.52 11 55 44 463.8 24.13 329.82
 98.27 13 54 3 624.26 21.54 305.35 55.70 110.51 14 4 27 24.3 24.14 297.56
 100.00 13 21 58 727.06 18.07 311.45 54.18 114.23 13 34 5 127.1 21.19 304.04
 100.00 14 52 47 5724.23 25.09 270.63 57.00 106.81 16 28 11 5124.2 27.15 262.43
 110.00 13 0 17 795.36 10.70 312.48 50.06 122.66 13 13 32 195.4 14.93 305.94
 110.00 17 30 57 5228.69 33.26 235.14 59.09 98.37 18 58 6 4628.7 34.06 225.99

DIFFERENTIAL CORRECTIONS

TDE-2.4935 TRA 1.8920 TC3-4.5139 BAU .9817
 RDE .2476 RRA .0811 RC3 -.1818 FAU .03611
 FDE-1.5293 FRA 1.5196 FC3-1.9231 BSP 18871
 BDE 2.5057 BRA 1.8937 BC3 4.5176 FSP -1048

MID-COURSE EXECUTION ACCURACY

SGT 5943.9 SGR 403.6 SG3 314.8
 RRT -.1271 RRF -.1424 RTF .9696
 SGB 5957.6 R23 .0187 R13 -.9696
 SG1 5944.1 SG2 400.3 THA 179.50

ORBIT DETERMINATION ACCURACY

ST 3664.3 SR 354.2 SS 1301.0
 CRT -.9322 CRS .9034 CST -.9972
 LSA 3901.2 MSA 158.4 SSA 17.5
 EL1 3679.1 EL2 127.7 ALF 174.85

LAUNCH DATE JUN 11 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 550.052

RL 151.90 LAL -.00 LOL 259.41 VL 26.283 GAL 5.17 AZL 93.42 HCA 259.96 SMA 125.60 ECC .22715 INC 3.4211 V1 29.331
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.564 GAP 10.24 AZP 89.40 TAL 161.81 TAP 61.77 RCA 97.07 APO 154.13 V2 35.231
 RC 149.570 GL -21.99 GP .98 ZAL 58.62 ZAP 165.18 ETS 3.26 ZAE 127.24 ETE 179.74 ZAC 90.97 ETC 13.79 CLP-165.21

PLANETOCENTRIC CONIC

C3 17.405 VHL 4.172 DLA -29.41 RAL 192.68 RAD 6567.7 VEL 11.781 PTH 2.08 VHP 6.794 DPA 6.30 RAP 176.38 ECC 1.2864
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.71 11 47 58 1080.05 21.15 338.67 59.31 110.92 12 5 58 480.1 23.81 330.92
 98.29 14 4 22 639.43 21.17 306.32 59.32 110.91 14 15 1 39.4 23.82 298.57
 100.00 13 32 21 741.99 17.65 312.36 57.75 114.52 13 44 43 142.0 20.81 304.99
 100.00 15 2 40 5740.76 24.76 271.74 60.67 107.31 16 38 21 5140.8 26.89 263.59
 110.00 13 10 30 810.84 10.13 313.32 53.52 122.82 13 24 0 210.8 14.38 306.80
 110.00 17 41 1 5244.68 33.10 236.35 62.90 99.08 19 8 26 4644.7 34.00 227.23

DIFFERENTIAL CORRECTIONS

TDE-2.5532 TRA 2.1125 TC3-4.2561 BAU .9911
 RDE .2660 RRA .0807 RC3 -.1648 FAU .03309
 FDE-1.4598 FRA 1.5493 FC3-1.6457 BSP 19100
 BDE 2.5670 BRA 2.1141 BC3 4.2593 FSP -996

MID-COURSE EXECUTION ACCURACY

SGT 5999.8 SGR 410.6 SG3 297.7
 RRT -.1499 RRF -.1648 RTF .9695
 SGB 6013.9 R23 .0190 R13 -.9695
 SG1 6000.2 SG2 405.9 THA 179.41

ORBIT DETERMINATION ACCURACY

ST 3647.6 SR 367.4 SS 1253.2
 CRT -.9273 CRS .8981 CST -.9973
 LSA 3870.8 MSA 163.6 SSA 17.1
 EL1 3663.5 EL2 136.9 ALF 174.66

LAUNCH DATE JUN 11 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 555.747

RL 151.90 LAL -.00 LOL 259.41 VL 26.249 GAL 5.65 AZL 93.41 HCA 263.20 SMA 125.39 ECC .23228 INC 3.4107 V1 29.331
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.534 GAP 10.70 AZP 89.60 TAL 160.58 TAP 63.78 RCA 96.26 APO 154.51 V2 35.225
 RC 151.657 GL -21.05 GP .94 ZAL 56.49 ZAP 166.37 ETS 3.29 ZAE 126.94 ETE 179.79 ZAC 88.99 ETC 13.63 CLP-166.40

PLANETOCENTRIC CONIC

C3 18.717 VHL 4.326 DLA -29.37 RAL 195.18 RAD 6567.8 VEL 11.836 PTH 2.10 VHP 7.045 DPA 5.43 RAP 178.25 ECC 1.3080
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.86 11 59 6 1093.23 20.71 339.46 62.95 111.30 12 17 19 493.2 23.42 331.75
 98.14 14 13 8 660.17 20.72 307.68 62.95 111.29 14 24 8 60.2 23.43 299.97
 100.00 13 40 34 764.56 17.01 313.73 61.27 114.96 13 53 18 164.6 20.23 306.42
 100.00 15 14 21 5752.12 24.52 272.51 64.41 107.65 16 50 14 5152.1 26.71 264.39
 110.00 13 19 55 829.59 9.44 314.33 56.97 123.01 13 33 45 229.6 13.72 307.85
 110.00 17 51 30 5259.86 32.93 237.51 66.74 99.74 19 19 9 4659.9 33.92 228.41

DIFFERENTIAL CORRECTIONS

TDE-2.6104 TRA 2.3474 TC3-3.9876 BAU .9985
 RDE .2854 RRA .0790 RC3 -.1476 FAU .03021
 FDE-1.3938 FRA 1.5789 FC3-1.3971 BSP 19293
 BDE 2.6260 BRA 2.3487 BC3 3.9903 FSP -946

MID-COURSE EXECUTION ACCURACY

SGT 6048.3 SGR 416.6 SG3 281.6
 RRT -.1735 RRF -.1878 RTF .9694
 SGB 6062.6 R23 .0190 R13 -.9694
 SG1 6048.7 SG2 410.2 THA 179.31

ORBIT DETERMINATION ACCURACY

ST 3620.4 SR 379.6 SS 1206.1
 CRT -.9222 CRS .8926 CST -.9974
 LSA 3831.1 MSA 169.3 SSA 16.7
 EL1 3637.3 EL2 146.1 ALF 174.47

LAUNCH DATE JUN 11 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 561.395

RL 151.90 LAL -.00 LOL 259.41 VL 26.214 GAL 6.16 AZL 93.40 HCA 266.44 SMA 125.18 ECC .23780 INC 3.4006 V1 29.331
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.503 GAP 11.18 AZP 89.79 TAL 159.35 TAP 65.79 RCA 95.41 APO 154.94 V2 35.217
 RC 153.730 GL -20.11 GP .90 ZAL 54.40 ZAP 167.53 ETS 3.36 ZAE 126.66 ETE 179.82 ZAC 86.98 ETC 13.50 CLP-167.56

PLANETOCENTRIC CONIC

C3 20.213 VHL 4.496 DLA -29.29 RAL 197.61 RAD 6567.8 VEL 11.899 PTH 2.11 VHP 7.308 DPA 4.54 RAP 180.14 ECC 1.3326
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.18 12 11 20 1103.34 20.20 340.00 66.59 111.67 12 29 44 503.3 22.97 332.34
 97.82 14 20 20 686.46 20.22 309.41 66.60 111.66 14 31 46 86.5 22.98 301.75
 100.00 13 46 50 793.88 16.16 315.49 64.73 115.50 14 0 4 193.9 19.46 308.25
 100.00 15 27 31 5759.19 24.38 272.98 68.21 107.86 17 3 31 5159.2 26.59 264.88
 110.00 13 28 32 851.49 8.62 315.50 60.40 123.21 13 42 44 251.5 12.93 309.06
 110.00 18 2 18 5274.34 32.76 238.60 70.61 100.37 19 30 13 4674.3 33.84 229.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.6640 TRA 2.5992 TC3-3.7086 BAU 1.0028 SGT 6088.6 SGR 421.7 SG3 266.6 ST 3582.5 SR 390.8 SS 1159.7
 RDE .3055 RRA .0761 RC3 -.1309 FAU .02741 RRT -.1976 RRF -.2109 RTF .9692 CRT -.9168 CRS .8867 CST -.9974
 FDE-1.3303 FRA 1.6101 FC3-1.1739 BSP 19402 SGB 6103.2 R23 .0188 R13 -.9692 LSA 3781.7 MSA 175.6 SSA 16.3
 BDE 2.6814 BRA 2.6003 BC3 3.7109 FSP -895 SG1 6089.2 SG2 413.3 THA 179.21 EL1 3600.4 EL2 155.3 ALF 174.28

LAUNCH DATE JUN 11 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 566.988

RL 151.90 LAL -.00 LOL 259.41 VL 26.180 GAL 6.70 AZL 93.39 HCA 269.68 SMA 124.96 ECC .24374 INC 3.3904 V1 29.331
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.472 GAP 11.68 AZP 89.98 TAL 158.12 TAP 67.80 RCA 94.51 APO 155.42 V2 35.210
 RC 155.789 GL -19.18 GP .86 ZAL 52.37 ZAP 168.66 ETS 3.47 ZAE 126.39 ETE 179.85 ZAC 84.94 ETC 13.38 CLP-168.69

PLANETOCENTRIC CONIC

C3 21.916 VHL 4.681 DLA -29.17 RAL 199.98 RAD 6567.9 VEL 11.971 PTH 2.13 VHP 7.585 DPA 3.64 RAP 182.05 ECC 1.3607
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.68 12 24 48 1109.90 19.64 340.24 70.23 112.02 12 43 17 509.9 22.45 332.63
 97.32 14 25 47 718.75 19.65 311.55 70.24 112.01 14 37 45 118.8 22.46 303.94
 100.00 13 51 31 828.70 15.12 317.56 68.12 116.09 14 5 20 228.7 18.51 310.40
 100.00 15 41 44 5763.22 24.29 273.25 72.06 107.98 17 17 47 5163.2 26.52 265.16
 110.00 13 36 22 876.43 7.69 316.83 63.79 123.41 13 50 58 276.4 12.03 310.43
 110.00 18 13 23 5288.26 32.58 239.65 74.49 100.96 19 41 31 4688.3 33.75 230.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.7203 TRA 2.8628 TC3-3.4352 BAU 1.0070 SGT 6126.3 SGR 425.9 SG3 252.7 ST 3541.7 SR 400.9 SS 1117.2
 RDE .3266 RRA .0718 RC3 -.1146 FAU .02487 RRT -.2230 RRF -.2353 RTF .9693 CRT -.9116 CRS .8812 CST -.9975
 FDE-1.2736 FRA 1.6394 FC3 -.9826 BSP 19583 SGB 6141.1 R23 .0186 R13 -.9693 LSA 3730.8 MSA 181.7 SSA 15.9
 BDE 2.7399 BRA 2.8637 BC3 3.4371 FSP -853 SG1 6127.1 SG2 415.2 THA 179.11 EL1 3560.5 EL2 164.0 ALF 174.10

LAUNCH DATE JUN 11 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 572.521

RL 151.90 LAL -.00 LOL 259.41 VL 26.146 GAL 7.27 AZL 93.38 HCA 272.92 SMA 124.76 ECC .25015 INC 3.3803 V1 29.331
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.440 GAP 12.20 AZP 90.17 TAL 156.89 TAP 69.81 RCA 93.55 APO 155.96 V2 35.201
 RC 157.834 GL -18.25 GP .83 ZAL 50.40 ZAP 169.77 ETS 3.65 ZAE 126.14 ETE 179.87 ZAC 82.89 ETC 13.29 CLP-169.80

PLANETOCENTRIC CONIC

C3 23.856 VHL 4.884 DLA -29.01 RAL 202.28 RAD 6568.0 VEL 12.051 PTH 2.15 VHP 7.878 DPA 2.73 RAP 183.98 ECC 1.3926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.40 12 39 39 1112.22 19.01 340.14 73.87 112.34 12 58 11 512.2 21.87 332.58
 96.60 14 29 15 757.73 19.02 314.15 73.87 112.33 14 41 52 157.7 21.88 306.59
 100.00 13 55 1 867.74 13.94 319.86 71.46 116.71 14 9 28 267.7 17.42 312.79
 100.00 15 56 34 5765.47 24.24 273.40 75.94 108.04 17 32 39 5165.5 26.48 265.32
 110.00 13 43 25 904.21 6.64 318.30 67.15 123.61 13 58 29 304.2 11.02 311.94
 110.00 18 24 38 5301.77 32.40 240.66 78.38 101.54 19 53 0 4701.8 33.65 231.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.7761 TRA 3.1428 TC3-3.1622 BAU 1.0090 SGT 6157.9 SGR 429.3 SG3 239.7 ST 3494.7 SR 409.6 SS 1076.8
 RDE .3484 RRA .0660 RC3 -.0993 FAU .02247 RRT -.2489 RRF -.2601 RTF .9694 CRT -.9062 CRS .8757 CST -.9976
 FDE-1.2208 FRA 1.6691 FC3 -.8153 BSP 19740 SGB 6172.8 R23 .0182 R13 -.9694 LSA 3674.9 MSA 187.7 SSA 15.4
 BDE 2.7979 BRA 3.1435 BC3 3.1637 FSP -812 SG1 6158.8 SG2 415.7 THA 179.00 EL1 3514.4 EL2 172.2 ALF 173.92

LAUNCH DATE JUN 11 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 577.987

RL 151.90 LAL -.00 LOL 259.41 VL 26.112 GAL 7.87 AZL 93.37 HCA 276.16 SMA 124.55 ECC .25707 INC 3.3702 V1 29.331
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.408 GAP 12.74 AZP 90.36 TAL 155.67 TAP 71.82 RCA 92.53 APO 156.57 V2 35.192
 RC 159.863 GL -17.33 GP .80 ZAL 48.50 ZAP 170.86 ETS 3.90 ZAE 125.90 ETE 179.88 ZAC 80.82 ETC 13.22 CLP-170.90

PLANETOCENTRIC CONIC

C3 26.070 VHL 5.106 DLA -28.82 RAL 204.49 RAD 6568.1 VEL 12.143 PTH 2.18 VHP 8.188 DPA 1.82 RAP 185.91 ECC 1.4290
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.38 12 56 27 1108.41 18.32 339.55 77.48 112.65 13 14 55 508.4 21.23 332.05
 95.62 14 30 7 805.24 18.33 317.35 77.49 112.64 14 43 33 205.2 21.25 309.84
 100.00 13 57 35 909.99 12.63 322.31 74.73 117.32 14 12 45 310.0 16.20 315.33
 100.00 16 11 40 5766.93 24.21 273.50 79.83 108.09 17 47 47 5166.9 26.46 265.42
 110.00 13 49 45 934.65 5.49 319.91 70.47 123.79 14 5 19 334.6 9.90 315.59
 110.00 18 36 0 5315.03 32.22 241.65 82.27 102.10 20 4 35 4715.0 33.55 232.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.8317 TRA 3.4401 TC3-2.8927 BAU 1.0086 SGT 6183.6 SGR 431.8 SG3 227.6 ST 3442.7 SR 416.9 SS 1038.7
 RDE .3709 RRA .0587 RC3 -.0849 FAU .02017 RRT -.2753 RRF -.2851 RTF .9696 CRT -.9007 CRS .8700 CST -.9977
 FDE-1.1718 FRA 1.6999 FC3 -.6699 BSP 19876 SGB 6198.7 R23 .0176 R13 -.9697 LSA 3614.8 MSA 193.7 SSA 15.0
 BDE 2.8559 BRA 3.4406 BC3 2.8939 FSP -773 SG1 6184.8 SG2 415.0 THA 178.89 EL1 3463.2 EL2 180.0 ALF 173.76

LAUNCH DATE JUN 11 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 583.376

RL 151.90 LAL - .00 LOL 259.41 VL 26.079 GAL 8.52 AZL 93.36 HCA 279.39 SMA 124.34 ECC .26456 INC 3.3599 V1 29.331
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.376 GAP 13.32 AZP 90.55 TAL 154.46 TAP 73.85 RCA 91.45 APO 157.24 V2 35.183
 RC 161.876 GL -16.42 GP .77 ZAL 46.66 ZAP 171.94 ETS 4.26 ZAE 125.66 ETE 179.88 ZAC 78.74 ETC 13.17 CLP-171.98

PLANETOCENTRIC CONIC

C3 28.599 VHL 5.348 DLA -28.60 RAL 206.63 RAD 6568.1 VEL 12.246 PTH 2.20 VHP 8.517 DPA .90 RAP 187.86 ECC 1.4707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.80 13 16 38 1093.73 17.58 338.15 81.08 112.93 13 34 52 493.7 20.54 330.70
 94.20 14 26 57 865.96 17.59 321.48 81.08 112.92 14 41 23 266.0 20.55 314.03
 100.00 13 59 28 954.67 11.23 324.88 77.96 117.89 14 15 22 354.7 14.87 317.99
 100.00 16 26 49 5768.29 24.19 273.59 83.72 108.13 18 2 57 5168.3 26.44 265.51
 110.00 13 55 23 967.51 4.25 321.64 73.75 123.95 14 11 30 367.5 8.68 315.35
 110.00 18 47 23 5328.21 32.02 242.63 86.16 102.65 20 16 11 4728.2 33.43 233.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8843 TRA 3.7592 TC3-2.6242 BAU 1.0037 SGT 6202.5 SGR 433.3 SG3 216.2 ST 3383.9 SR 422.5 SS 1002.2
 RDE .3940 RRA .0496 RC3 -.0719 FAU .01791 RRT -.3016 RRF -.3097 RTF .9699 CRT -.8947 CRS .8638 CST -.9978
 FDE-1.1246 FRA 1.7335 FC3 -.5421 BSP 19914 SGB 6217.6 R23 .0167 R13 -.9699 LSA 3548.7 MSA 199.6 SSA 14.6
 BDE 2.9111 BRA 3.7595 BC3 2.6252 FSP -733 SG1 6203.9 SG2 413.0 THA 178.79 EL1 3405.0 EL2 187.5 ALF 173.61

LAUNCH DATE JUN 11 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 588.677

RL 151.90 LAL - .00 LOL 259.41 VL 26.045 GAL 9.21 AZL 93.35 HCA 282.62 SMA 124.14 ECC .27268 INC 3.3494 V1 29.331
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.343 GAP 13.93 AZP 90.73 TAL 153.26 TAP 75.88 RCA 90.29 APO 157.99 V2 35.172
 RC 163.875 GL -15.53 GP .74 ZAL 44.90 ZAP 173.01 ETS 4.79 ZAE 125.42 ETE 179.88 ZAC 76.66 ETC 13.14 CLP-173.05

PLANETOCENTRIC CONIC

C3 31.491 VHL 5.612 DLA -28.35 RAL 208.67 RAD 6568.3 VEL 12.364 PTH 2.23 VHP 8.868 DPA -.01 RAP 189.82 ECC 1.5183
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 88.59 13 48 0 1042.70 16.80 334.06 84.64 113.18 14 5 23 442.7 19.79 326.67
 91.41 14 11 53 965.29 16.81 328.40 84.64 113.17 14 27 59 365.3 19.80 321.01
 100.00 14 0 47 1001.25 9.73 327.53 81.13 118.40 14 17 28 401.2 13.45 320.72
 100.00 16 41 48 5770.02 24.15 273.71 87.60 108.18 18 17 58 5170.0 26.41 265.63
 110.00 14 0 21 1002.61 2.91 323.48 76.98 124.07 14 17 4 402.6 7.36 317.22
 110.00 18 58 43 5341.42 31.82 243.61 90.04 103.19 20 27 45 4741.4 33.31 234.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9425 TRA 4.0942 TC3-2.3696 BAU .9980 SGT 6217.7 SGR 434.1 SG3 205.6 ST 3326.0 SR 426.7 SS 969.9
 RDE .4177 RRA .0389 RC3 -.0601 FAU .01585 RRT -.3289 RRF -.3354 RTF .9704 CRT -.8891 CRS .8582 CST -.9979
 FDE-1.0837 FRA 1.7664 FC3 -.4356 BSP 20036 SGB 6232.8 R23 .0158 R13 -.9704 LSA 3484.7 MSA 204.8 SSA 14.1
 BDE 2.9719 BRA 4.0944 BC3 2.3704 FSP -699 SG1 6219.3 SG2 409.8 THA 178.68 EL1 3347.7 EL2 194.0 ALF 173.47

LAUNCH DATE JUN 11 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 593.878

RL 151.90 LAL - .00 LOL 259.41 VL 26.012 GAL 9.95 AZL 93.34 HCA 285.85 SMA 123.94 ECC .28149 INC 3.3387 V1 29.331
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.309 GAP 14.57 AZP 90.91 TAL 152.08 TAP 77.94 RCA 89.05 APO 158.82 V2 35.162
 RC 165.860 GL -14.65 GP .72 ZAL 43.20 ZAP 174.07 ETS 5.56 ZAE 125.18 ETE 179.87 ZAC 74.57 ETC 13.14 CLP-174.12

PLANETOCENTRIC CONIC

C3 34.807 VHL 5.900 DLA -28.07 RAL 210.62 RAD 6568.4 VEL 12.497 PTH 2.26 VHP 9.244 DPA -.93 RAP 191.78 ECC 1.5728
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 34 58 1135.60 13.10 339.13 86.83 115.33 13 53 54 535.6 16.40 332.01
 90.00 14 40 30 922.86 18.88 326.20 89.43 111.50 14 55 53 322.9 21.64 318.61
 100.00 14 1 39 1049.32 8.16 330.24 84.26 118.86 14 19 8 449.3 11.95 323.50
 100.00 16 56 31 5772.42 24.10 273.87 91.46 108.24 18 32 43 5172.4 26.37 265.80
 110.00 14 4 42 1039.70 1.49 325.41 80.16 124.15 14 22 2 439.7 5.97 319.18
 110.00 19 9 56 5354.79 31.61 244.60 93.89 103.74 20 39 11 4754.8 33.18 235.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0021 TRA 4.4510 TC3-2.1238 BAU .9886 SGT 6227.3 SGR 434.0 SG3 195.7 ST 3265.9 SR 429.2 SS 940.5
 RDE .4418 RRA .0262 RC3 -.0496 FAU .01387 RRT -.3563 RRF -.3612 RTF .9711 CRT -.8834 CRS .8526 CST -.9980
 FDE-1.0464 FRA 1.8014 FC3 -.3450 BSP 20136 SGB 6242.4 R23 .0147 R13 -.9711 LSA 3419.2 MSA 209.3 SSA 13.7
 BDE 3.0345 BRA 4.4511 BC3 2.1244 FSP -667 SG1 6229.2 SG2 405.4 THA 178.57 EL1 3287.9 EL2 199.8 ALF 173.35

LAUNCH DATE JUN 11 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 598.963

RL 151.90 LAL - .00 LOL 259.41 VL 25.978 GAL 10.74 AZL 93.33 HCA 289.08 SMA 123.74 ECC .29109 INC 3.3276 V1 29.331
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.276 GAP 15.26 AZP 91.09 TAL 150.93 TAP 80.01 RCA 87.72 APO 159.76 V2 35.151
 RC 167.829 GL -13.79 GP .70 ZAL 41.59 ZAP 175.13 ETS 6.73 ZAE 124.94 ETE 179.86 ZAC 72.48 ETC 13.17 CLP-175.18

PLANETOCENTRIC CONIC

C3 38.619 VHL 6.214 DLA -27.77 RAL 212.48 RAD 6568.5 VEL 12.649 PTH 2.30 VHP 9.648 DPA -1.84 RAP 193.75 ECC 1.6356
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 26 15 1214.56 10.75 343.75 89.58 116.35 13 46 29 614.6 14.21 336.77
 90.00 15 4 3 896.41 19.53 324.53 93.56 110.92 15 18 59 296.4 22.21 316.88
 100.00 14 2 7 1098.59 6.53 332.99 87.33 119.23 14 20 26 498.6 10.38 326.31
 100.00 17 10 52 5775.65 24.03 274.08 95.28 108.34 18 47 7 5175.7 26.31 266.02
 110.00 14 8 29 1078.60 .01 327.44 83.30 124.18 14 26 27 478.6 4.49 321.23
 110.00 19 20 59 5368.41 31.39 245.59 97.72 104.29 20 50 28 4768.4 33.03 236.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0647 TRA 4.8309 TC3-1.8883 BAU .9751 SGT 6231.4 SGR 433.2 SG3 186.4 ST 3204.6 SR 430.1 SS 914.0
 RDE .4664 RRA .0115 RC3 -.0405 FAU .01196 RRT -.3840 RRF -.3872 RTF .9719 CRT -.8777 CRS .8471 CST -.9981
 FDE-1.0128 FRA 1.8385 FC3 -.2682 BSP 20220 SGB 6246.4 R23 .0135 R13 -.9719 LSA 3353.2 MSA 213.2 SSA 13.3
 BDE 3.1000 BRA 4.8309 BC3 1.8887 FSP -637 SG1 6233.6 SG2 399.8 THA 178.46 EL1 3226.8 EL2 204.7 ALF 173.25

LAUNCH DATE JUN 11 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 603.913

RL 151.90 LAL -.00 LOL 259.41 VL 25.946 GAL 11.59 AZL 93.32 HCA 292.31 SMA 123.54 ECC .30157 INC 3.3161 V1 29.331
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.242 GAP 16.01 AZP 91.26 TAL 149.80 TAP 82.11 RCA 86.29 APO 160.80 V2 35.139
 RC 169.783 GL -12.95 GP .68 ZAL 40.06 ZAP 176.19 ETS 8.66 ZAE 124.68 ETE 179.84 ZAC 70.39 ETC 13.22 CLP-176.25

PLANETOCENTRIC CONIC

C3 43.013 VHL 6.558 DLA -27.44 RAL 214.24 RAD 6568.6 VEL 12.821 PTH 2.33 VHP 10.084 DPA -2.75 RAP 195.71 ECC 1.7079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 20 30 1283.71 8.64 347.72 92.41 117.07 13 41 53 683.7 12.20 340.86
 90.00 15 23 51 881.66 19.89 323.59 97.52 110.58 15 38 33 281.7 22.51 315.90
 100.00 14 2 14 1148.84 4.85 335.77 90.36 119.53 14 21 23 548.8 8.75 329.15
 100.00 17 24 48 5779.81 23.94 274.36 99.07 108.46 19 1 8 5179.8 26.24 266.31
 110.00 14 11 42 1119.10 -1.54 329.55 86.39 124.15 14 30 21 519.1 2.95 323.35
 110.00 19 31 49 5382.31 31.15 246.61 101.50 104.85 21 1 31 4782.3 32.87 237.81

DIFFERENTIAL CORRECTIONS

TDE-3.1263 TRA 5.2410 TC3-1.6600 BAU .9547
 RDE .4913 RRA -.0054 RC3 -.0328 FAU .01004
 FDE -.9809 FRA 1.8803 FC3 -.2020 BSP 20181
 BOE 3.1647 BRA 5.2410 BC3 1.6603 FSP -604

MID-COURSE EXECUTION ACCURACY

SGT 6230.4 SGR 431.4 SG3 177.7
 RRT -.4114 RRF -.4127 RTF .9728
 SGB 6245.3 R23 .0119 R13 -.9729
 SG1 6232.9 SG2 393.0 THA 178.36

ORBIT DETERMINATION ACCURACY

ST 3140.0 SR 429.2 SS 889.7
 CRT -.8716 CRS .8412 CST -.9982
 LSA 3284.5 MSA 216.6 SSA 12.8
 EL1 3162.3 EL2 208.9 ALF 173.18

LAUNCH DATE JUN 11 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 608.703

RL 151.90 LAL -.00 LOL 259.41 VL 25.913 GAL 12.51 AZL 93.30 HCA 295.54 SMA 123.35 ECC .31303 INC 3.3040 V1 29.331
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.209 GAP 16.80 AZP 91.43 TAL 148.72 TAP 84.25 RCA 84.74 APO 161.96 V2 35.128
 RC 171.722 GL -12.14 GP .67 ZAL 38.61 ZAP 177.24 ETS 12.21 ZAE 124.42 ETE 179.83 ZAC 68.32 ETC 13.30 CLP-177.32

PLANETOCENTRIC CONIC

C3 48.097 VHL 6.938 DLA -27.10 RAL 215.90 RAD 6568.8 VEL 13.018 PTH 2.37 VHP 10.556 DPA -3.64 RAP 197.67 ECC 1.7916
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 15 58 1348.61 6.61 351.41 95.23 117.60 13 38 27 748.6 10.25 344.63
 90.00 15 41 37 872.88 20.10 323.04 101.38 110.38 15 56 10 272.9 22.69 315.32
 100.00 14 2 0 1199.88 3.13 338.59 93.33 119.74 14 22 0 599.9 7.07 332.01
 100.00 17 38 16 5784.87 23.83 274.69 102.81 108.60 19 14 41 5184.9 26.15 266.66
 110.00 14 14 23 1161.01 -3.14 331.74 89.43 124.06 14 33 44 561.0 1.35 325.54
 110.00 19 42 23 5396.51 30.90 247.64 105.24 105.41 21 12 20 4796.5 32.70 238.88

DIFFERENTIAL CORRECTIONS

TDE-3.1979 TRA 5.6742 TC3-1.4484 BAU .9315
 RDE .5165 RRA -.0243 RC3 -.0263 FAU .00826
 FDE -.9551 FRA 1.9233 FC3 -.1487 BSP 20249
 BOE 3.2394 BRA 5.6743 BC3 1.4487 FSP -578

MID-COURSE EXECUTION ACCURACY

SGT 6224.6 SGR 428.9 SG3 169.6
 RRT -.4394 RRF -.4390 RTF .9740
 SGB 6239.4 R23 .0105 R13 -.9741
 SG1 6227.5 SG2 385.1 THA 178.26

ORBIT DETERMINATION ACCURACY

ST 3078.9 SR 426.8 SS 869.7
 CRT -.8661 CRS .8362 CST -.9983
 LSA 3220.2 MSA 218.7 SSA 12.4
 EL1 3101.1 EL2 211.8 ALF 173.12

LAUNCH DATE JUN 11 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 613.306

RL 151.90 LAL -.00 LOL 259.41 VL 25.881 GAL 13.51 AZL 93.29 HCA 298.76 SMA 123.16 ECC .32561 INC 3.2913 V1 29.331
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.175 GAP 17.67 AZP 91.59 TAL 147.68 TAP 86.43 RCA 83.06 APO 163.26 V2 35.116
 RC 173.647 GL -11.34 GP .65 ZAL 37.24 ZAP 178.29 ETS 20.43 ZAE 124.13 ETE 179.80 ZAC 66.27 ETC 13.41 CLP-178.41

PLANETOCENTRIC CONIC

C3 54.002 VHL 7.349 DLA -26.73 RAL 217.46 RAD 6569.0 VEL 13.242 PTH 2.42 VHP 11.069 DPA -4.52 RAP 199.61 ECC 1.8887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 12 3 1411.14 4.62 354.93 98.03 117.97 13 35 34 811.1 8.33 348.22
 90.00 15 57 59 867.95 20.22 322.72 105.15 110.26 16 12 27 268.0 22.79 315.00
 100.00 14 1 27 1251.58 1.38 341.43 96.24 119.86 14 22 18 651.6 5.35 334.88
 100.00 17 51 16 5790.79 23.70 275.09 106.48 108.77 19 27 47 5190.8 26.04 267.07
 110.00 14 16 33 1204.15 -4.78 334.00 92.41 123.89 14 36 37 604.2 -.30 327.79
 110.00 19 52 39 5410.98 30.63 248.68 108.92 105.97 21 22 50 4811.0 32.51 239.97

DIFFERENTIAL CORRECTIONS

TDE-3.2750 TRA 6.1392 TC3-1.2489 BAU .9018
 RDE .5421 RRA -.0457 RC3 -.0210 FAU .00651
 FDE -.9328 FRA 1.9704 FC3 -.1044 BSP 20301
 BOE 3.3196 BRA 6.1393 BC3 1.2491 FSP -552

MID-COURSE EXECUTION ACCURACY

SGT 6214.0 SGR 425.6 SG3 161.9
 RRT -.4674 RRF -.4655 RTF .9754
 SGB 6228.6 R23 .0089 R13 -.9754
 SG1 6217.2 SG2 376.1 THA 178.16

ORBIT DETERMINATION ACCURACY

ST 3018.0 SR 422.8 SS 852.9
 CRT -.8608 CRS .8316 CST -.9984
 LSA 3156.9 MSA 219.9 SSA 12.0
 EL1 3040.0 EL2 213.6 ALF 173.09

LAUNCH DATE JUN 11 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 17 1968

HELIOCENTRIC CONIC

DISTANCE 617.684

RL 151.90 LAL -.00 LOL 259.41 VL 25.850 GAL 14.59 AZL 93.28 HCA 301.98 SMA 122.98 ECC .33945 INC 3.2778 V1 29.331
 RP 107.96 LAP 2.78 LOP 201.43 VP 37.142 GAP 18.61 AZP 91.74 TAL 146.69 TAP 88.67 RCA 81.23 APO 164.72 V2 35.103
 RC 175.555 GL -10.56 GP .64 ZAL 35.97 ZAP 179.20 ETS 51.11 ZAE 123.81 ETE 179.78 ZAC 64.24 ETC 13.54 CLP-179.52

PLANETOCENTRIC CONIC

C3 60.892 VHL 7.803 DLA -26.35 RAL 218.91 RAD 6569.1 VEL 13.500 PTH 2.47 VHP 11.630 DPA -5.39 RAP 201.55 ECC 2.0021
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 8 24 1472.20 2.66 358.35 100.79 118.20 13 32 56 872.2 6.41 351.68
 90.00 16 13 14 865.76 20.27 322.58 108.82 110.21 16 27 40 265.8 22.84 314.85
 100.00 14 0 32 1303.79 -.39 344.29 99.10 119.89 14 22 16 703.8 3.59 337.76
 100.00 18 3 46 5797.44 23.55 275.53 110.08 108.96 19 40 24 5197.4 25.92 267.53
 110.00 14 18 13 1248.34 -6.46 336.33 95.34 123.64 14 39 1 648.3 -1.99 330.09
 110.00 20 2 35 5425.66 30.35 249.73 112.52 106.54 21 33 1 4825.7 32.31 241.07

DIFFERENTIAL CORRECTIONS

TDE-3.3583 TRA 6.6394 TC3-1.0610 BAU .8638
 RDE .5678 RRA -.0696 RC3 -.0169 FAU .00476
 FDE -.9142 FRA 2.0226 FC3 -.0677 BSP 20320
 BOE 3.4060 BRA 6.6397 BC3 1.0611 FSP -528

MID-COURSE EXECUTION ACCURACY

SGT 6198.3 SGR 421.6 SG3 154.8
 RRT -.4953 RRF -.4919 RTF .9769
 SGB 6212.6 R23 .0073 R13 -.9770
 SG1 6201.8 SG2 366.0 THA 178.06

ORBIT DETERMINATION ACCURACY

ST 2957.5 SR 417.2 SS 839.3
 CRT -.8557 CRS .8273 CST -.9985
 LSA 3094.6 MSA 220.0 SSA 11.5
 EL1 2979.0 EL2 214.4 ALF 173.08

LAUNCH DATE JUN 12 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 21 1967

HELIOCENTRIC CONIC

DISTANCE 156.059

RL 151.91 LAL -0.00 LOL 260.37 VL 21.853 GAL 2.62 AZL 93.51 HCA 61.43 SMA 104.52 ECC .45520 INC 3.5139 V1 29.328
 RP 108.93 LAP -3.09 LOP 321.75 VP 34.161 GAP -26.98 AZP 91.68 TAL 176.85 TAP 238.29 RCA 56.95 APO 152.10 V2 34.788
 RC 44.711 GL -10.01 GP -.51 ZAL 83.94 ZAP 15.71 ETS 178.72 ZAE 169.07 ETE 108.17 ZAC 107.46 ETC 15.29 CLP 15.70

PLANETOCENTRIC CONIC

C3 59.273 VHL 7.699 DLA -7.80 RAL 172.81 RAD 6569.1 VEL 13.440 PTH 2.46 VHP 16.053 DPA 11.40 RAP 160.26 ECC 1.9755
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 32 41 2240.30 -20.18 43.12 50.56 110.29 7 10 2 1640.3 -17.24 35.68
 90.00 16 33 16 5372.58 27.84 245.58 56.66 84.61 18 2 48 4772.6 26.80 237.07
 100.00 7 50 17 1990.00 -21.55 24.16 50.00 111.23 8 23 27 1390.0 -18.48 16.71
 100.00 17 58 22 5098.11 29.30 225.23 56.49 83.79 19 23 20 4498.1 28.13 216.62
 110.00 8 49 57 1803.17 -25.22 8.32 48.34 113.88 9 20 0 1203.2 -21.77 .86
 110.00 19 15 11 4857.72 33.23 206.38 55.90 81.48 20 36 8 4257.7 31.70 197.49

DIFFERENTIAL CORRECTIONS

TDE .4371 TRA -.9599 TC3 -.0096 BAU .0502
 RDE -.5213 RRA -.2386 RC3 .0627 FAU .01782
 FDE -.3146 FRA .3939 FC3 -.2603 BSP 2102
 BDE .6803 BRA .9891 BC3 .0634 FSP -103

MID-COURSE EXECUTION ACCURACY

SGT 791.2 SGR 438.1 SG3 47.6
 RRT .0046 RRF -.0036 RTF -.6513
 SGB 904.3 R23 .0007 R13 -.6513
 SG1 791.2 SG2 438.1 THA .21

ORBIT DETERMINATION ACCURACY

ST 390.7 SR 391.7 SS 347.7
 CRT -.7488 CRS -.8762 CST .9737
 LSA 621.9 MSA 199.9 SSA 14.5
 EL1 517.3 EL2 196.0 ALF 134.90

LAUNCH DATE JUN 12 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 162.539

RL 151.91 LAL -0.00 LOL 260.37 VL 22.308 GAL 2.44 AZL 93.50 HCA 64.60 SMA 106.21 ECC .43209 INC 3.4976 V1 29.328
 RP 108.92 LAP -3.16 LOP 324.92 VP 34.457 GAP -25.56 AZP 91.50 TAL 176.78 TAP 241.38 RCA 60.32 APO 152.10 V2 34.791
 RC 44.000 GL -10.81 GP -.53 ZAL 83.95 ZAP 14.06 ETS 178.33 ZAE 169.28 ETE 94.84 ZAC 106.01 ETC 15.09 CLP 14.05

PLANETOCENTRIC CONIC

C3 52.573 VHL 7.251 DLA -8.53 RAL 172.49 RAD 6568.9 VEL 13.188 PTH 2.41 VHP 15.268 DPA 10.83 RAP 161.68 ECC 1.8652
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 10 2187.18 -18.89 39.75 48.09 111.49 7 13 38 1587.2 -15.81 32.44
 90.00 16 26 14 5366.68 27.80 245.15 54.44 84.40 17 55 40 4766.7 26.73 236.65
 100.00 7 54 23 1938.12 -20.24 20.86 47.52 112.48 8 26 41 1338.1 -17.02 13.55
 100.00 17 51 43 5090.97 29.24 224.70 54.27 83.52 19 16 34 4491.0 28.04 216.11
 110.00 8 53 11 1754.00 -23.82 5.18 45.81 115.27 9 22 25 1154.0 -20.22 357.89
 110.00 19 9 24 4847.86 33.13 205.63 53.65 81.05 20 30 12 4247.9 31.54 196.76

DIFFERENTIAL CORRECTIONS

TDE .4381 TRA -.9389 TC3 .0089 BAU .0503
 RDE -.4934 RRA -.2242 RC3 .0711 FAU .01855
 FDE -.3327 FRA .3999 FC3 -.3055 BSP 2241
 BDE .6599 BRA .9653 BC3 .0716 FSP -116

MID-COURSE EXECUTION ACCURACY

SGT 826.3 SGR 441.3 SG3 52.4
 RRT .0020 RRF -.0015 RTF -.6717
 SGB 936.8 R23 .0004 R13 -.6717
 SG1 826.3 SG2 441.3 THA .08

ORBIT DETERMINATION ACCURACY

ST 412.9 SR 393.6 SS 369.5
 CRT -.7561 CRS -.8825 CST .9734
 LSA 649.0 MSA 201.6 SSA 14.9
 EL1 534.7 EL2 198.9 ALF 136.82

LAUNCH DATE JUN 12 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 169.063

RL 151.91 LAL -0.00 LOL 260.37 VL 22.729 GAL 2.25 AZL 93.48 HCA 67.76 SMA 107.84 ECC .41024 INC 3.4821 V1 29.328
 RP 108.91 LAP -3.22 LOP 328.09 VP 34.734 GAP -24.21 AZP 91.32 TAL 176.76 TAP 244.52 RCA 63.60 APO 152.08 V2 34.795
 RC 43.455 GL -11.64 GP -.55 ZAL 84.09 ZAP 12.41 ETS 177.83 ZAE 168.95 ETE 81.18 ZAC 104.55 ETC 14.91 CLP 12.40

PLANETOCENTRIC CONIC

C3 46.724 VHL 6.836 DLA -9.25 RAL 172.04 RAD 6568.7 VEL 12.965 PTH 2.36 VHP 14.516 DPA 10.24 RAP 163.10 ECC 1.7690
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 3 2134.61 -17.55 36.48 45.57 112.58 7 16 38 1534.6 -14.34 29.28
 90.00 16 18 46 5360.42 27.76 244.70 52.09 84.17 17 48 6 4760.4 26.66 236.20
 100.00 7 57 52 1886.79 -18.87 17.67 44.98 113.62 8 29 19 1286.8 -15.52 10.48
 100.00 17 44 38 5083.47 29.19 224.15 51.91 83.23 19 9 21 4483.5 27.94 215.57
 110.00 8 55 49 1705.36 -22.38 2.15 43.23 116.54 9 24 14 1105.4 -18.63 355.01
 110.00 19 3 11 4837.66 33.02 204.85 51.28 80.60 20 23 48 4237.7 31.37 196.02

DIFFERENTIAL CORRECTIONS

TDE .4397 TRA -.9168 TC3 .0324 BAU .0540
 RDE -.4666 RRA -.2102 RC3 .0802 FAU .01936
 FDE -.3523 FRA .4051 FC3 -.3588 BSP 2388
 BDE .6412 BRA .9406 BC3 .0865 FSP -130

MID-COURSE EXECUTION ACCURACY

SGT 862.6 SGR 443.7 SG3 57.7
 RRT -.0008 RRF .0011 RTF -.6915
 SGB 970.0 R23 -.0004 R13 .6915
 SG1 862.6 SG2 443.7 THA 179.97

ORBIT DETERMINATION ACCURACY

ST 436.3 SR 394.8 SS 392.7
 CRT -.7642 CRS -.8891 CST .9730
 LSA 677.7 MSA 202.5 SSA 15.2
 EL1 553.1 EL2 200.9 ALF 138.74

LAUNCH DATE JUN 12 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 175.628

RL 151.91 LAL -0.00 LOL 260.37 VL 23.118 GAL 2.04 AZL 93.47 HCA 70.92 SMA 109.43 ECC .38964 INC 3.4673 V1 29.328
 RP 108.90 LAP -3.28 LOP 331.26 VP 34.994 GAP -22.93 AZP 91.13 TAL 176.80 TAP 247.72 RCA 66.79 APO 152.06 V2 34.799
 RC 43.079 GL -12.51 GP -.58 ZAL 84.35 ZAP 10.75 ETS 177.20 ZAE 168.06 ETE 68.56 ZAC 103.11 ETC 14.73 CLP 10.74

PLANETOCENTRIC CONIC

C3 41.620 VHL 6.451 DLA -9.94 RAL 171.46 RAD 6568.6 VEL 12.767 PTH 2.32 VHP 13.794 DPA 9.65 RAP 164.50 ECC 1.6850
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 18 2082.86 -16.17 33.31 43.00 113.57 7 19 1 1482.9 -12.85 26.21
 90.00 16 10 53 5353.95 27.71 244.23 49.62 83.94 17 40 6 4753.9 26.59 235.75
 100.00 8 0 44 1836.28 -17.46 14.58 42.40 114.65 8 31 20 1236.3 -13.99 7.50
 100.00 17 37 8 5075.77 29.12 223.59 49.44 82.94 19 1 43 4475.8 27.84 215.02
 110.00 8 57 49 1657.51 -20.89 359.23 40.61 117.69 9 25 27 1057.5 -17.02 352.24
 110.00 18 56 32 4827.30 32.90 204.07 48.78 80.15 20 16 59 4227.3 31.19 195.26

DIFFERENTIAL CORRECTIONS

TDE .4415 TRA -.8943 TC3 .0612 BAU .0605
 RDE -.4410 RRA -.1967 RC3 .0900 FAU .02027
 FDE -.3733 FRA .4093 FC3 -.4216 BSP 2521
 BDE .6240 BRA .9156 BC3 .1088 FSP -145

MID-COURSE EXECUTION ACCURACY

SGT 900.1 SGR 445.3 SG3 63.6
 RRT -.0035 RRF .0038 RTF -.7101
 SGB 1004.2 R23 -.0005 R13 .7101
 SG1 900.1 SG2 445.3 THA 179.87

ORBIT DETERMINATION ACCURACY

ST 460.7 SR 395.2 SS 417.0
 CRT -.7726 CRS -.8958 CST .9727
 LSA 707.9 MSA 202.7 SSA 15.5
 EL1 572.5 EL2 202.0 ALF 140.63

LAUNCH DATE JUN 12 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 182.227

RL 151.91 LAL -.00 LOL 260.37 VL 23.477 GAL 1.82 AZL 93.45 MCA 74.09 SMA 110.96 ECC .37025 INC 3.4530 V1 29.328
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.238 GAP -21.71 AZP 90.95 TAL 176.90 TAP 250.99 RCA 69.88 APO 152.04 V2 34.804
 RC 42.876 GL -13.40 GP -.61 ZAL 84.74 ZAP 9.09 ETS 176.36 ZAE 166.72 ETE 57.85 ZAC 101.67 ETC -14.57 CLP 9.07

PLANETOCENTRIC CONIC

C3 37.168 VHL 6.097 DLA -10.61 RAL 170.75 RAD 6568.4 VEL 12.591 PTH 2.28 VHP 13.103 DPA 9.05 RAP 165.89 ECC 1.6117
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 46 54 2032.25 -14.77 30.26 40.39 114.44 7 20 46 1432.2 -11.35 23.25
 90.00 16 2 35 5347.40 27.67 243.76 47.04 83.71 17 31 43 4747.4 26.51 235.28
 100.00 8 2 57 1786.89 -16.04 11.60 39.77 115.57 8 32 44 1186.9 -12.46 4.63
 100.00 17 29 13 5068.00 29.06 223.02 46.85 82.65 18 53 41 4468.0 27.74 214.47
 110.00 8 59 12 1610.77 -19.39 356.44 37.97 118.72 9 26 2 1010.8 -15.40 349.58
 110.00 18 49 28 4816.89 32.78 203.28 46.18 79.70 20 9 45 4216.9 31.01 194.50

DIFFERENTIAL CORRECTIONS

TOE .4447 TRA -.8702 TC3 .0967 BAU .0692
 RDE -.4164 RRA -.1837 RC3 .1004 FAU .02128
 FDE -.3966 FRA .4126 FC3 -.4957 BSP 2683
 BDE .6092 BRA .8894 BC3 .1394 FSP -164

MID-COURSE EXECUTION ACCURACY

SGT 938.5 SGR 446.1 SG3 70.2
 RRT -.0072 RRF .0072 RTF -.7283
 SGB 1039.2 R23 -.0004 R13 .7283
 SG1 938.5 SG2 446.1 THA 179.75

ORBIT DETERMINATION ACCURACY

ST 486.8 SR 394.9 SS 443.2
 CRT -.7823 CRS -.9028 CST .9727
 LSA 740.5 MSA 202.0 SSA 15.9
 EL1 593.5 EL2 201.8 ALF 142.54

LAUNCH DATE JUN 12 1967

FLIGHT TIME 80.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 188.856

RL 151.91 LAL -.00 LOL 260.37 VL 23.810 GAL 1.60 AZL 93.44 MCA 77.25 SMA 112.44 ECC .35207 INC 3.4391 V1 29.328
 RP 108.87 LAP -3.35 LOP 337.60 VP 35.465 GAP -20.54 AZP 90.76 TAL 177.06 TAP 254.31 RCA 72.85 APO 152.02 V2 34.809
 RC 42.849 GL -14.33 GP -.64 ZAL 85.26 ZAP 7.41 ETS 175.14 ZAE 165.05 ETE 49.18 ZAC 100.24 ETC 14.42 CLP 7.38

PLANETOCENTRIC CONIC

C3 33.287 VHL 5.769 DLA -11.26 RAL 169.90 RAD 6568.3 VEL 12.436 PTH 2.25 VHP 12.439 DPA 8.45 RAP 167.25 ECC 1.5478
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 48 49 1983.07 -13.36 27.33 37.74 115.20 7 21 52 1383.1 -9.86 20.40
 90.00 15 53 56 5340.89 27.62 243.29 44.38 83.48 17 22 57 4740.9 26.43 234.82
 100.00 8 4 30 1738.91 -14.61 8.76 37.12 116.37 8 33 29 1138.9 -10.95 1.88
 100.00 17 20 56 5060.28 28.99 222.46 44.18 82.36 18 45 17 4460.3 27.63 213.92
 110.00 8 59 55 1565.37 -17.88 353.78 35.30 119.63 9 26 0 965.4 -13.80 347.04
 110.00 18 42 1 4806.59 32.65 202.50 43.49 79.26 20 2 7 4206.6 30.82 193.76

DIFFERENTIAL CORRECTIONS

TOE .4461 TRA -.8467 TC3 .1365 BAU .0784
 RDE -.3931 RRA -.1712 RC3 .1113 FAU .02240
 FDE -.4214 FRA .4148 FC3 -.5825 BSP 2786
 BDE .5946 BRA .8638 BC3 .1762 FSP -184

MID-COURSE EXECUTION ACCURACY

SGT 977.8 SGR 446.1 SG3 77.4
 RRT -.0094 RRF .0106 RTF -.7433
 SGB 1074.7 R23 -.0018 R13 .7433
 SG1 977.8 SG2 446.0 THA 179.69

ORBIT DETERMINATION ACCURACY

ST 512.3 SR 393.9 SS 470.3
 CRT -.7908 CRS -.9096 CST .9722
 LSA 773.3 MSA 201.1 SSA 16.3
 EL1 614.1 EL2 201.1 ALF 144.29

LAUNCH DATE JUN 12 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 195.511

RL 151.91 LAL -.00 LOL 260.37 VL 24.116 GAL 1.37 AZL 93.43 MCA 80.42 SMA 113.85 ECC .33505 INC 3.4256 V1 29.328
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.678 GAP -19.42 AZP 90.57 TAL 177.27 TAP 257.69 RCA 75.71 APO 152.00 V2 34.815
 RC 42.995 GL -15.27 GP -.68 ZAL 85.90 ZAP 5.72 ETS 173.21 ZAE 163.18 ETE 42.28 ZAC 98.84 ETC 14.29 CLP 5.68

PLANETOCENTRIC CONIC

C3 29.907 VHL 5.469 DLA -11.87 RAL 168.93 RAD 6568.2 VEL 12.300 PTH 2.22 VHP 11.803 DPA 7.85 RAP 168.60 ECC 1.4922
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 3 1935.64 -11.97 24.54 35.06 115.85 7 22 18 1335.6 -8.40 17.69
 90.00 15 44 56 5334.47 27.57 242.83 41.63 83.25 17 13 51 4734.5 26.34 234.37
 100.00 8 5 21 1692.67 -13.19 6.05 34.43 117.07 8 33 34 1092.7 -9.46 359.25
 100.00 17 12 19 5052.67 28.92 221.90 41.44 82.08 18 36 32 4452.7 27.52 213.38
 110.00 8 59 58 1521.65 -16.39 351.26 32.62 120.43 9 25 19 921.6 -12.23 344.63
 110.00 18 34 12 4796.46 32.52 201.74 40.73 78.83 19 54 8 4196.5 30.64 193.03

DIFFERENTIAL CORRECTIONS

TOE .4506 TRA -.8202 TC3 .1864 BAU .0892
 RDE -.3710 RRA -.1592 RC3 .1227 FAU .02367
 FDE -.4494 FRA .4153 FC3 -.6851 BSP 2944
 BDE .5837 BRA .8355 BC3 .2231 FSP -206

MID-COURSE EXECUTION ACCURACY

SGT 1017.5 SGR 445.2 SG3 85.6
 RRT -.0143 RRF .0152 RTF -.7595
 SGB 1110.7 R23 -.0018 R13 .7595
 SG1 1017.6 SG2 445.1 THA 179.56

ORBIT DETERMINATION ACCURACY

ST 540.6 SR 392.1 SS 499.6
 CRT -.8020 CRS -.9169 CST .9724
 LSA 809.8 MSA 198.8 SSA 16.6
 EL1 637.6 EL2 198.6 ALF 146.08

LAUNCH DATE JUN 12 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 202.186

RL 151.91 LAL -.00 LOL 260.37 VL 24.399 GAL 1.15 AZL 93.41 MCA 83.59 SMA 115.21 ECC .31916 INC 3.4124 V1 29.328
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.876 GAP -18.35 AZP 90.38 TAL 177.55 TAP 261.14 RCA 78.44 APO 151.98 V2 34.822
 RC 43.312 GL -16.24 GP -.72 ZAL 86.67 ZAP 4.01 ETS 169.61 ZAE 161.21 ETE 36.80 ZAC 97.45 ETC 14.16 CLP 3.95

PLANETOCENTRIC CONIC

C3 26.966 VHL 5.193 DLA -12.45 RAL 167.83 RAD 6568.1 VEL 12.180 PTH 2.19 VHP 11.192 DPA 7.25 RAP 169.92 ECC 1.4438
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 33 1890.26 -10.61 21.90 32.36 116.41 7 22 4 1290.3 -6.98 15.11
 90.00 15 35 40 5328.18 27.51 242.37 38.83 83.03 17 4 29 4728.2 26.26 233.93
 100.00 8 5 30 1648.44 -11.81 3.50 31.73 117.66 8 32 59 1048.4 -8.01 356.77
 100.00 17 3 24 5045.23 28.85 221.36 38.63 81.80 18 27 30 4445.2 27.41 212.85
 110.00 8 59 20 1479.86 -14.94 348.90 29.92 121.11 9 24 0 879.9 -10.70 342.35
 110.00 18 26 4 4786.57 32.38 201.00 37.91 78.41 19 45 51 4186.6 30.45 192.32

DIFFERENTIAL CORRECTIONS

TOE .4570 TRA -.7918 TC3 .2457 BAU .1009
 RDE -.3502 RRA -.1478 RC3 .1342 FAU .02510
 FDE -.4807 FRA .4147 FC3 -.8057 BSP 3120
 BDE .5757 BRA .8055 BC3 .2800 FSP -232

MID-COURSE EXECUTION ACCURACY

SGT 1058.2 SGR 443.4 SG3 94.7
 RRT -.0209 RRF .0206 RTF -.7762
 SGB 1147.3 R23 -.0010 R13 .7762
 SG1 1058.3 SG2 443.3 THA 179.39

ORBIT DETERMINATION ACCURACY

ST 571.3 SR 389.6 SS 531.2
 CRT -.8147 CRS -.9241 CST .9732
 LSA 849.6 MSA 195.4 SSA 17.0
 EL1 663.6 EL2 194.5 ALF 147.85

LAUNCH DATE JUN 12 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 208.879

RL 151.91 LAL -1.00 LOL 260.37 VL 24.659 GAL .93 AZL 93.40 HCA 86.75 SMA 116.50 ECC .30437 INC 3.3993 V1 29.328
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.061 GAP -17.32 AZP 90.19 TAL 177.88 TAP 264.64 RCA 81.04 APO 151.96 V2 34.830
 RC 43.796 GL -17.21 GP -.76 ZAL 87.55 ZAP 2.32 ETS 160.61 ZAE 159.22 ETE 32.40 ZAC 96.10 ETC 14.05 CLP 2.19

PLANETOCENTRIC CONIC

C3 24.411 VHL 4.941 DLA -12.99 RAL 166.62 RAD 6568.0 VEL 12.074 PTH 2.16 VHP 10.606 DPA 6.65 RAP 171.20 ECC 1.4017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 50 21 1847.23 -9.30 19.42 29.64 116.87 7 21 8 1247.2 -5.62 12.67
 90.00 15 26 12 5322.02 27.46 241.93 35.98 82.81 16 54 54 4722.0 26.18 233.50
 100.00 8 4 57 1606.51 -10.47 1.11 29.02 118.16 8 31 43 1006.5 -6.62 354.43
 100.00 16 54 16 5037.96 28.77 220.83 35.78 81.53 18 18 14 4438.0 27.30 212.34
 110.00 8 58 2 1440.29 -13.53 346.69 27.22 121.69 9 22 2 840.3 -9.24 340.22
 110.00 18 17 41 4776.96 32.25 200.28 35.05 78.00 19 37 18 4177.0 30.26 191.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4616 TRA -.7639 TC3 .3117 BAU .1123 SGT 1099.1 SGR 440.8 SG3 104.8 ST 600.9 SR 386.5 SS 563.7
 RDE -.3306 RRA -.1370 RC3 .1457 FAU .02668 RRT -.0260 RRF .0261 RTF -.7906 CRT -.8260 CRS -.9311 CST .9735
 FDE -.5144 FRA .4129 FC3 -.9463 BSP 3284 SGB 1184.2 R23 -.0015 R13 .7906 LSA 889.3 MSA 192.1 SSA 17.4
 BDE .5678 BRA .7761 BC3 .3441 FSP -261 SGI 1099.2 SG2 440.6 THA 179.29 ELI 688.7 EL2 190.0 ALF 149.44

LAUNCH DATE JUN 12 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 215.584

RL 151.91 LAL -1.00 LOL 260.37 VL 24.898 GAL .71 AZL 93.39 HCA 89.92 SMA 117.73 ECC .29063 INC 3.3863 V1 29.328
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.233 GAP -16.34 AZP 90.00 TAL 178.27 TAP 268.20 RCA 83.51 APO 151.94 V2 34.838
 RC 44.440 GL -18.19 GP -.81 ZAL 88.53 ZAP .90 ETS 115.40 ZAE 157.27 ETE 28.81 ZAC 94.78 ETC 13.95 CLP .39

PLANETOCENTRIC CONIC

C3 22.194 VHL 4.711 DLA -13.49 RAL 165.30 RAD 6567.9 VEL 11.982 PTH 2.14 VHP 10.045 DPA 6.06 RAP 172.45 ECC 1.3653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 49 24 1806.83 -8.04 17.11 26.93 117.24 7 19 31 1206.8 -4.33 10.40
 90.00 15 16 35 5315.97 27.41 241.49 33.12 82.60 16 45 11 4716.0 26.10 233.07
 100.00 8 3 41 1567.18 -9.20 358.88 26.31 118.57 8 29 48 967.2 -5.31 352.24
 100.00 16 45 0 5030.85 28.70 220.32 32.91 81.27 18 8 51 4430.9 27.20 211.84
 110.00 8 56 3 1403.16 -12.19 344.65 24.53 122.18 9 19 26 803.2 -7.86 338.24
 110.00 18 9 7 4767.64 32.12 199.59 32.17 77.61 19 28 34 4167.6 30.08 190.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4660 TRA -.7359 TC3 .3849 BAU .1233 SGT 1140.1 SGR 437.2 SG3 116.2 ST 630.5 SR 382.7 SS 598.7
 RDE -.3122 RRA -.1268 RC3 .1568 FAU .02849 RRT -.0315 RRF .0330 RTF -.8027 CRT -.8372 CRS -.9382 CST .9735
 FDE -.5525 FRA .4086 FC3 -1.1111 BSP 3393 SGB 1221.1 R23 -.0034 R13 .8027 LSA 930.9 MSA 188.8 SSA 17.8
 BDE .5610 BRA .7467 BC3 .4156 FSP -293 SGI 1140.2 SG2 437.0 THA 179.19 ELI 714.1 EL2 184.8 ALF 150.93

LAUNCH DATE JUN 12 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 222.298

RL 151.91 LAL -1.00 LOL 260.37 VL 25.119 GAL .50 AZL 93.37 HCA 93.10 SMA 118.89 ECC .27792 INC 3.3732 V1 29.328
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.393 GAP -15.40 AZP 89.82 TAL 178.71 TAP 271.81 RCA 85.85 APO 151.93 V2 34.846
 RC 45.237 GL -19.16 GP -.87 ZAL 89.61 ZAP 1.69 ETS 30.55 ZAE 155.42 ETE 25.83 ZAC 93.50 ETC 13.87 CLP -1.45

PLANETOCENTRIC CONIC

C3 20.273 VHL 4.503 DLA -13.94 RAL 163.88 RAD 6567.8 VEL 11.902 PTH 2.11 VHP 9.506 DPA 5.48 RAP 173.66 ECC 1.3336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 47 44 1769.32 -6.87 14.98 24.22 117.54 7 17 13 1169.3 -3.13 8.30
 90.00 15 6 56 5309.95 27.36 241.06 30.24 82.39 16 35 26 4710.0 26.02 232.65
 100.00 8 1 42 1530.66 -8.00 356.83 23.61 118.90 8 27 12 930.7 -4.09 350.23
 100.00 16 35 39 5023.85 28.63 219.81 30.03 81.01 17 59 23 4423.8 27.09 211.34
 110.00 8 53 24 1368.69 -10.94 342.77 21.84 122.59 9 16 13 768.7 -6.56 336.41
 110.00 18 0 25 4758.58 31.98 198.92 29.28 77.23 19 19 44 4158.6 29.90 190.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4721 TRA -.7043 TC3 .4667 BAU .1344 SGT 1179.1 SGR 432.8 SG3 128.8 ST 661.7 SR 378.4 SS 634.2
 RDE -.2951 RRA -.1172 RC3 .1673 FAU .03048 RRT -.0401 RRF .0401 RTF -.8156 CRT -.8499 CRS -.9448 CST .9744
 FDE -.5933 FRA .4026 FC3 -1.3016 BSP 3572 SGB 1256.0 R23 -.0023 R13 .8156 LSA 974.2 MSA 184.1 SSA 18.1
 BDE .5568 BRA .7140 BC3 .4957 FSP -330 SGI 1179.2 SG2 432.4 THA 179.03 ELI 741.2 EL2 178.0 ALF 152.35

LAUNCH DATE JUN 12 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 229.018

RL 151.91 LAL -1.00 LOL 260.37 VL 25.320 GAL .29 AZL 93.36 HCA 96.27 SMA 119.98 ECC .26618 INC 3.3601 V1 29.328
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.541 GAP -14.49 AZP 89.63 TAL 179.20 TAP 275.47 RCA 88.05 APO 151.92 V2 34.856
 RC 46.178 GL -20.12 GP -.93 ZAL 90.78 ZAP 3.47 ETS 15.12 ZAE 153.70 ETE 23.34 ZAC 92.27 ETC 13.79 CLP -3.34

PLANETOCENTRIC CONIC

C3 18.612 VHL 4.314 DLA -14.34 RAL 162.38 RAD 6567.8 VEL 11.832 PTH 2.10 VHP 8.989 DPA 4.90 RAP 174.81 ECC 1.3063
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 45 21 1734.90 -5.78 13.04 21.54 117.77 7 14 16 1134.9 -2.02 6.38
 90.00 14 57 21 5303.89 27.30 240.63 27.37 82.18 16 25 45 4703.9 25.94 232.23
 100.00 7 59 2 1497.15 -6.90 354.95 20.93 119.16 8 23 59 897.2 -2.96 348.38
 100.00 16 26 20 5016.88 28.55 219.30 27.16 80.76 17 49 57 4416.9 26.98 210.85
 110.00 8 50 9 1337.06 -9.77 341.06 19.18 122.92 9 12 26 737.1 -5.37 334.74
 110.00 17 51 43 4749.74 31.85 198.26 26.41 76.87 19 10 53 4149.7 29.71 189.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4763 TRA -.6746 TC3 .5532 BAU .1445 SGT 1217.9 SGR 427.6 SG3 143.0 ST 690.9 SR 373.6 SS 672.1
 RDE -.2793 RRA -.1081 RC3 .1768 FAU .03273 RRT -.0475 RRF .0486 RTF -.8258 CRT -.8610 CRS -.9513 CST .9747
 FDE -.6394 FRA .3948 FC3 -1.5223 BSP 3694 SGB 1290.8 R23 -.0038 R13 .8258 LSA 1017.8 MSA 180.3 SSA 18.5
 BDE .5522 BRA .6832 BC3 .5807 FSP -372 SGI 1218.1 SG2 427.0 THA 178.91 ELI 766.6 EL2 171.3 ALF 153.62

LAUNCH DATE JUN 12 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 235.739

RL 151.91 LAL -.00 LOL 260.37 VL 25.505 GAL .09 AZL 93.35 HCA 99.44 SMA 121.01 ECC .25538 INC 3.3468 V1 29.328
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.679 GAP -13.62 AZP 89.45 TAL 179.73 TAP 279.18 RCA 90.11 APO 151.91 V2 .34.865
 RC 47.255 GL -21.05 GP -1.00 ZAL 92.02 ZAP 5.38 ETS 10.18 ZAE 152.15 ETE 21.21 ZAC 91.10 ETC 13.73 CLP -5.29

PLANETOCENTRIC CONIC

C3 17.178 VHL 4.145 DLA -14.70 RAL 160.81 RAD 6567.7 VEL 11.771 PTH 2.08 VHP 8.494 DPA 4.34 RAP 175.91 ECC 1.2827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 17 1703.76 -4.79 11.29 18.89 117.94 7 10 40 1103.8 -1.02 4.64
 90.00 14 47 55 5297.69 27.24 240.18 24.54 81.96 16 16 13 4697.7 25.85 231.79
 100.00 7 55 43 1466.82 -5.89 353.27 18.29 119.36 8 20 10 866.8 -1.93 346.72
 100.00 16 17 10 5009.86 28.48 218.80 24.33 80.50 17 40 40 4409.9 26.87 210.36
 110.00 8 46 17 1308.40 -8.71 339.52 16.56 123.19 9 8 46 708.4 -4.28 333.23
 110.00 17 43 5 4741.05 31.71 197.62 23.56 76.51 19 2 6 4141.0 29.53 189.09

DIFFERENTIAL CORRECTIONS

TOE .4814 TRA -.6417 TC3 .6557 BAU .1564
 RDE -.2647 RRA -.0997 RC3 .1846 FAU .03551
 FDE -.6922 FRA .3831 FC3-1.7895 BSP 3806
 BDE .5494 BRA .6494 BC3 .6812 FSP -418

MID-COURSE EXECUTION ACCURACY

SGT 1256.8 SGR 421.4 SG3 159.7
 RRT -.0559 RRF .0578 RTF -.8375
 SGB 1325.5 R23 -.0051 R13 .8375
 SG1 1257.0 SG2 420.7 THA 178.79

ORBIT DETERMINATION ACCURACY

ST 720.3 SR 368.4 SS 713.3
 CRT -.8730 CRS -.9576 CST .9752
 LSA 1064.0 MSA 175.8 SSA 18.9
 EL1 792.4 EL2 163.3 ALF 154.80

LAUNCH DATE JUN 12 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 242.461

RL 151.91 LAL -.00 LOL 260.37 VL 25.675 GAL -.10 AZL 93.33 HCA 102.62 SMA 121.97 ECC .24546 INC 3.3333 V1 29.328
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.806 GAP -12.78 AZP 89.27 TAL 180.30 TAP 282.92 RCA 92.03 APO 151.91 V2 34.875
 RC 48.458 GL -21.96 GP -1.08 ZAL 93.31 ZAP 7.38 ETS 7.79 ZAE 150.78 ETE 19.38 ZAC 89.99 ETC 13.68 CLP -7.30

PLANETOCENTRIC CONIC

C3 15.941 VHL 3.993 DLA -15.00 RAL 159.20 RAD 6567.6 VEL 11.719 PTH 2.06 VHP 8.020 DPA 3.80 RAP 176.94 ECC 1.2624
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 34 1675.99 -3.90 9.73 16.28 118.07 7 6 30 1076.0 -.12 3.09
 90.00 14 38 45 5291.25 27.18 239.72 21.75 81.74 16 6 56 4691.2 25.76 231.34
 100.00 7 51 47 1439.75 -4.98 351.77 15.69 119.51 8 15 47 839.7 -1.01 345.23
 100.00 16 8 13 5002.72 28.39 218.28 21.54 80.24 17 31 36 4402.7 26.75 209.86
 110.00 8 41 54 1282.78 -7.75 338.16 13.99 123.40 9 3 17 682.8 -3.30 331.89
 110.00 17 34 36 4732.45 31.57 196.99 20.77 76.16 18 53 28 4132.5 29.35 188.49

DIFFERENTIAL CORRECTIONS

TOE .4915 TRA -.6057 TC3 .7638 BAU .1678
 RDE -.2513 RRA -.0920 RC3 .1907 FAU .03854
 FDE -.7575 FRA .3662 FC3-2.0930 BSP 4095
 BDE .5521 BRA .6126 BC3 .7872 FSP -485

MID-COURSE EXECUTION ACCURACY

SGT 1295.8 SGR 414.6 SG3 178.6
 RRT -.0718 RRF .0738 RTF -.8498
 SGB 1360.6 R23 -.0058 R13 .8498
 SG1 1296.2 SG2 413.4 THA 178.53

ORBIT DETERMINATION ACCURACY

ST 755.5 SR 363.0 SS 762.6
 CRT -.8870 CRS -.9642 CST .9765
 LSA 1120.1 MSA 170.3 SSA 19.1
 EL1 823.9 EL2 153.7 ALF 156.03

LAUNCH DATE JUN 12 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 249.177

RL 151.91 LAL -.00 LOL 260.37 VL 25.829 GAL -.28 AZL 93.32 HCA 105.80 SMA 122.87 ECC .23640 INC 3.3194 V1 29.328
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.924 GAP -11.97 AZP 89.10 TAL 180.90 TAP 286.70 RCA 93.82 APO 151.92 V2 34.886
 RC 49.776 GL -22.81 GP -1.16 ZAL 94.63 ZAP 9.47 ETS 6.39 ZAE 149.63 ETE 17.78 ZAC 88.96 ETC 13.64 CLP -9.40

PLANETOCENTRIC CONIC

C3 14.877 VHL 3.857 DLA -15.24 RAL 157.56 RAD 6567.6 VEL 11.673 PTH 2.05 VHP 7.567 DPA 3.28 RAP 177.90 ECC 1.2448
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 17 1651.65 -3.12 8.37 13.75 118.16 7 1 49 1051.7 .67 1.74
 90.00 14 29 58 5284.47 27.11 239.24 19.04 81.51 15 58 2 4684.5 25.66 230.87
 100.00 7 47 19 1416.01 -4.18 350.46 13.16 119.63 8 10 55 816.0 -.21 343.93
 100.00 15 59 37 4995.35 28.31 217.75 18.82 79.97 17 22 52 4395.4 26.63 209.35
 110.00 8 37 3 1260.23 -6.90 336.96 11.48 123.56 8 58 3 660.2 -2.44 330.71
 110.00 17 26 22 4723.89 31.43 196.36 18.05 75.82 18 45 6 4123.9 29.16 187.89

DIFFERENTIAL CORRECTIONS

TOE .4953 TRA -.5740 TC3 .8645 BAU .1763
 RDE -.2389 RRA -.0847 RC3 .1946 FAU .04184
 FDE -.8213 FRA .3486 FC3-2.4348 BSP 4188
 BDE .5500 BRA .5802 BC3 .8862 FSP -544

MID-COURSE EXECUTION ACCURACY

SGT 1329.3 SGR 406.8 SG3 199.0
 RRT -.0846 RRF .0865 RTF -.8573
 SGB 1390.2 R23 -.0066 R13 .8574
 SG1 1329.8 SG2 405.2 THA 178.37

ORBIT DETERMINATION ACCURACY

ST 782.4 SR 357.1 SS 805.5
 CRT -.8973 CRS -.9694 CST .9769
 LSA 1166.3 MSA 166.7 SSA 19.3
 EL1 847.6 EL2 145.5 ALF 157.01

LAUNCH DATE JUN 12 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 255.888

RL 151.91 LAL -.00 LOL 260.37 VL 25.970 GAL -.45 AZL 93.31 HCA 108.98 SMA 123.71 ECC .22815 INC 3.3051 V1 29.328
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.033 GAP -11.19 AZP 88.92 TAL 181.51 TAP 290.49 RCA 95.48 APO 151.93 V2 34.897
 RC 51.201 GL -23.62 GP -1.26 ZAL 95.98 ZAP 11.65 ETS 5.48 ZAE 148.69 ETE 16.37 ZAC 88.02 ETC 13.61 CLP -11.58

PLANETOCENTRIC CONIC

C3 13.963 VHL 3.737 DLA -15.43 RAL 155.91 RAD 6567.5 VEL 11.634 PTH 2.04 VHP 7.134 DPA 2.78 RAP 178.77 ECC 1.2298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 30 1630.71 -2.45 7.20 11.29 118.22 6 56 41 1030.7 1.34 .57
 90.00 14 21 38 5277.31 27.04 238.73 16.41 81.26 15 49 35 4677.3 25.55 230.37
 100.00 7 42 23 1395.53 -3.49 349.33 10.71 119.71 8 5 39 795.5 .49 342.80
 100.00 15 51 26 4987.72 28.22 217.20 16.19 79.70 17 14 33 4387.7 26.51 208.82
 110.00 8 31 49 1240.70 -6.17 335.93 9.05 123.69 8 52 29 640.7 -1.70 329.69
 110.00 17 18 29 4715.31 31.29 195.74 15.41 75.47 18 37 5 4115.3 28.98 187.30

DIFFERENTIAL CORRECTIONS

TOE .4972 TRA -.5444 TC3 .9657 BAU .1839
 RDE -.2276 RRA -.0780 RC3 .1960 FAU .04552
 FDE -.8928 FRA .3330 FC3-2.8227 BSP 4270
 BDE .5468 BRA .5500 BC3 .9854 FSP -611

MID-COURSE EXECUTION ACCURACY

SGT 1360.9 SGR 398.3 SG3 222.0
 RRT -.0976 RRF .1006 RTF -.8649
 SGB 1418.0 R23 -.0084 R13 .8650
 SG1 1361.5 SG2 396.2 THA 178.21

ORBIT DETERMINATION ACCURACY

ST 805.7 SR 351.0 SS 850.4
 CRT -.9063 CRS -.9738 CST .9773
 LSA 1211.7 MSA 163.8 SSA 19.4
 EL1 868.0 EL2 137.7 ALF 157.87

LAUNCH DATE JUN 12 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 262.589

RL 151.91 LAL -.00 LOL 260.37 VL 26.097 GAL -.61 AZL 93.29 HCA 112.16 SMA 124.48 ECC .22065 INC 3.2901 V1 29.328
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.133 GAP -10.45 AZP 88.76 TAL 182.14 TAP 294.31 RCA 97.01 APO 151.94 V2 34.908
 RC 52.722 GL -24.37 GP -1.38 ZAL 97.32 ZAP 13.93 ETS 4.84 ZAE 148.00 ETE 15.12 ZAC 87.18 ETC 13.60 CLP -13.86

PLANETOCENTRIC CONIC

C3 13.178 VHL 3.630 DLA -15.57 RAL 154.29 RAD 6567.5 VEL 11.600 PTH 2.03 VHP 6.721 DPA 2.31 RAP 179.55 ECC 1.2169
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 18 1613.08 -1.88 6.21 8.93 118.26 6 51 11 1013.1 1.91 359.58
 90.00 14 13 51 5269.71 26.96 238.18 13.88 81.00 15 41 41 4669.7 25.44 229.85
 100.00 7 37 5 1378.24 -2.91 348.38 8.36 119.76 8 0 3 778.2 1.07 341.86
 100.00 15 43 45 4979.78 28.12 216.63 13.66 79.42 17 6 45 4379.8 26.37 208.27
 110.00 8 26 17 1224.11 -5.54 335.05 6.72 123.79 8 46 41 624.1 -1.06 328.83
 110.00 17 11 2 4706.67 31.14 195.11 12.87 75.13 18 29 29 4106.7 28.78 186.70

DIFFERENTIAL CORRECTIONS

TDE .4994 TRA -.5121 TC3 1.0665 BAU .1910
 RDE -.2173 RRA -.0719 RC3 .1943 FAU .04979
 FDE -.9762 FRA .3093 FC3-3.2713 BSP 4400
 BDE .5446 BRA .5172 BC3 1.0840 FSP -694

MID-COURSE EXECUTION ACCURACY

SGT 1387.4 SGR 389.0 SG3 248.5
 RRT -.1153 RRF .1194 RTF -.8718
 SGB 1440.9 R23 -.0105 R13 .8719
 SG1 1388.2 SG2 386.2 THA 177.99

ORBIT DETERMINATION ACCURACY

ST 827.8 SR 344.7 SS 900.0
 CRT -.9156 CRS -.9782 CST .9777
 LSA 1260.1 MSA 161.0 SSA 19.5
 EL1 887.3 EL2 129.3 ALF 158.65

LAUNCH DATE JUN 12 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 269.280

RL 151.91 LAL -.00 LOL 260.37 VL 26.213 GAL -.75 AZL 93.27 HCA 115.35 SMA 125.19 ECC .21387 INC 3.2745 V1 29.328
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.226 GAP -9.72 AZP 88.60 TAL 182.78 TAP 298.12 RCA 98.41 APO 151.96 V2 34.920
 RC 54.330 GL -25.05 GP -1.51 ZAL 98.65 ZAP 16.33 ETS 4.38 ZAE 147.55 ETE 13.99 ZAC 86.45 ETC 13.59 CLP -16.26

PLANETOCENTRIC CONIC

C3 12.505 VHL 3.536 DLA -15.66 RAL 152.70 RAD 6567.5 VEL 11.571 PTH 2.02 VHP 6.327 DPA 1.87 RAP 180.21 ECC 1.2058
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 18 47 1598.60 -1.41 5.40 6.68 118.28 6 45 26 998.6 2.38 358.78
 90.00 14 6 41 5261.66 26.87 237.61 11.48 80.73 15 34 22 4661.7 25.32 229.29
 100.00 7 31 30 1363.98 -2.43 347.59 6.11 119.80 7 54 14 764.0 1.56 341.07
 100.00 15 36 39 4971.51 28.01 216.04 11.25 79.12 16 59 30 4371.5 26.23 207.69
 110.00 8 20 33 1210.30 -5.02 334.33 4.50 123.86 8 40 44 610.3 -.54 328.11
 110.00 17 4 5 4697.96 30.98 194.47 10.46 74.78 18 22 23 4098.0 28.59 186.10

DIFFERENTIAL CORRECTIONS

TDE .4993 TRA -.4809 TC3 1.1635 BAU .1971
 RDE -.2078 RRA -.0663 RC3 .1892 FAU .05472
 FDE -1.0691 FRA .2821 FC3-3.7887 BSP 4469
 BDE .5408 BRA .4855 BC3 1.1787 FSP -785

MID-COURSE EXECUTION ACCURACY

SGT 1409.5 SGR 379.2 SG3 278.7
 RRT -.1348 RRF .1404 RTF -.8777
 SGB 1459.6 R23 -.0132 R13 .8779
 SG1 1410.5 SG2 375.4 THA 177.76

ORBIT DETERMINATION ACCURACY

ST 845.0 SR 338.4 SS 951.2
 CRT -.9239 CRS -.9820 CST .9780
 LSA 1306.8 MSA 158.9 SSA 19.4
 EL1 902.2 EL2 121.3 ALF 159.30

LAUNCH DATE JUN 12 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 275.959

RL 151.91 LAL -.00 LOL 260.37 VL 26.317 GAL -.89 AZL 93.26 HCA 118.53 SMA 125.84 ECC .20776 INC 3.2580 V1 29.328
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.311 GAP -9.03 AZP 88.44 TAL 183.40 TAP 301.94 RCA 99.69 APO 151.98 V2 34.932
 RC 56.016 GL -25.66 GP -1.66 ZAL 99.94 ZAP 18.86 ETS 4.05 ZAE 147.37 ETE 12.95 ZAC 85.85 ETC 13.59 CLP -18.79

PLANETOCENTRIC CONIC

C3 11.927 VHL 3.454 DLA -15.70 RAL 151.16 RAD 6567.5 VEL 11.546 PTH 2.02 VHP 5.953 DPA 1.47 RAP 180.75 ECC 1.1963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 13 4 1587.07 -1.04 4.76 4.55 118.30 6 39 31 987.1 2.75 358.13
 90.00 14 0 10 5253.18 26.78 237.01 9.21 80.44 15 27 43 4653.2 25.18 228.70
 100.00 7 25 45 1352.55 -2.04 346.97 4.00 119.83 7 48 17 752.6 1.94 340.45
 100.00 15 30 10 4962.92 27.90 215.43 8.98 78.82 16 52 53 4362.9 26.08 207.10
 110.00 8 14 44 1199.09 -4.59 333.74 2.41 123.91 8 34 43 599.1 -.11 327.52
 110.00 16 57 40 4689.15 30.82 193.84 8.18 74.44 18 15 49 4089.2 28.38 185.49

DIFFERENTIAL CORRECTIONS

TDE .4980 TRA -.4494 TC3 1.2539 BAU .2020
 RDE -.1993 RRA -.0612 RC3 .1805 FAU .06029
 FDE -1.1732 FRA .2500 FC3-4.3759 BSP 4556
 BDE .5364 BRA .4535 BC3 1.2668 FSP -891

MID-COURSE EXECUTION ACCURACY

SGT 1425.6 SGR 368.8 SG3 312.8
 RRT -.1587 RRF .1656 RTF -.8833
 SGB 1472.6 R23 -.0159 R13 .8835
 SG1 1426.9 SG2 363.8 THA 177.49

ORBIT DETERMINATION ACCURACY

ST 858.6 SR 332.1 SS 1004.4
 CRT -.9316 CRS -.9853 CST .9784
 LSA 1353.3 MSA 156.9 SSA 19.2
 EL1 913.6 EL2 113.4 ALF 159.86

LAUNCH DATE JUN 12 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 282.623

RL 151.91 LAL -.00 LOL 260.37 VL 26.411 GAL -1.02 AZL 93.24 HCA 121.72 SMA 126.43 ECC .20228 INC 3.2405 V1 29.328
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.389 GAP -8.35 AZP 88.29 TAL 184.02 TAP 305.74 RCA 100.86 APO 152.01 V2 34.945
 RC 57.772 GL -26.20 GP -1.83 ZAL 101.18 ZAP 21.54 ETS 3.80 ZAE 147.46 ETE 12.00 ZAC 85.39 ETC 13.60 CLP -21.47

PLANETOCENTRIC CONIC

C3 11.432 VHL 3.381 DLA -15.70 RAL 149.71 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 5.598 DPA 1.10 RAP 181.14 ECC 1.1881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 7 15 1578.23 -.76 4.27 2.56 118.31 6 33 33 978.2 3.03 357.64
 90.00 13 54 22 5244.29 26.68 236.38 7.09 80.14 15 21 46 4644.3 25.04 228.09
 100.00 7 19 56 1343.72 -1.74 346.48 2.01 119.85 7 42 19 743.7 2.24 339.96
 100.00 15 24 22 4954.03 27.78 214.79 6.85 78.50 16 46 56 4354.0 25.92 206.49
 110.00 8 8 55 1190.25 -4.25 333.27 .45 123.95 8 28 45 590.2 .23 327.06
 110.00 16 51 52 4680.27 30.66 193.20 6.05 74.09 18 9 52 4080.3 28.18 184.88

DIFFERENTIAL CORRECTIONS

TDE .4941 TRA -.4193 TC3 1.3307 BAU .2050
 RDE -.1916 RRA -.0567 RC3 .1678 FAU .06664
 FDE -1.2920 FRA .2121 FC3-5.0469 BSP 4616
 BDE .5300 BRA .4231 BC3 1.3412 FSP -1016

MID-COURSE EXECUTION ACCURACY

SGT 1433.8 SGR 358.1 SG3 351.8
 RRT -.1870 RRF .1962 RTF -.8873
 SGB 1477.8 R23 -.0200 R13 .8876
 SG1 1435.4 SG2 351.3 THA 177.16

ORBIT DETERMINATION ACCURACY

ST 866.5 SR 326.0 SS 1061.5
 CRT -.9384 CRS -.9882 CST .9785
 LSA 1399.7 MSA 156.0 SSA 18.8
 EL1 919.7 EL2 106.2 ALF 160.28

LAUNCH DATE JUN 12 1967

FLIGHT TIME 110.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 289.271

RL 151.91 LAL -0.00 LOL 260.37 VL 26.496 GAL -1.13 AZL 93.22 HCA 124.92 SMA 126.97 ECC .19738 INC 3.2218 V1 29.328
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.460 GAP -7.70 AZP 88.15 TAL 184.61 TAP 309.53 RCA 101.91 APO 152.03 V2 34.957
 RC 59.590 GL -26.66 GP -2.02 ZAL 102.36 ZAP 24.39 ETS 3.61 ZAE 147.84 ETE 11.11 ZAC 85.11 ETC 13.61 CLP -24.31

PLANETOCENTRIC CONIC

C3 11.006 VHL 3.318 DLA -15.66 RAL 148.34 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 5.262 DPA .78 RAP 181.38 ECC 1.1811
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 1 26 1571.81 -.55 3.91 .72 118.31 6 27 38 971.8 3.24 357.28
 90.00 13 49 17 5235.04 26.57 235.72 5.12 79.83 15 16 32 4635.0 24.89 227.45
 100.00 7 14 9 1337.20 -1.52 346.12 .18 119.86 7 36 26 737.2 2.46 339.60
 100.00 15 19 16 4944.88 27.66 214.14 4.88 78.18 16 41 40 4344.9 25.75 205.86
 110.00 8 3 12 1183.53 -4.00 332.92 358.63 123.98 8 22 56 583.5 .49 326.71
 110.00 16 46 42 4671.31 30.49 192.55 4.07 73.74 18 4 33 4071.3 27.96 184.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4854 TRA -1.3920 TC3 1.3894 BAU .2056 SGT 1430.7 SGR 347.1 SG3 395.5 ST 864.9 SR 320.0 SS 1118.3
 RDE -.1845 RRA -.0526 RC3 .1509 FAU .07380 RRT -.2185 RRF .2315 RTF -.8894 CRT -.9436 CRS -.9905 CST .9782
 FDE -1.4218 FRA .1716 FC3 -5.8045 BSP 4595 SGB 1472.2 R23 -.0263 R13 .8898 LSA 1440.9 MSA 156.0 SSA 18.4
 BDE .5193 BRA .3956 BC3 1.3975 FSP -1149 SG1 1432.9 SG2 338.2 THA 176.79 EL1 916.7 EL2 100.0 ALF 160.52

LAUNCH DATE JUN 12 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 295.903

RL 151.91 LAL -0.00 LOL 260.37 VL 26.571 GAL -1.23 AZL 93.20 HCA 128.11 SMA 127.46 ECC .19303 INC 3.2014 V1 29.328
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.525 GAP -7.07 AZP 88.02 TAL 185.17 TAP 313.28 RCA 102.85 APO 152.06 V2 34.970
 RC 61.464 GL -27.05 GP -2.25 ZAL 103.46 ZAP 27.42 ETS 3.48 ZAE 148.52 ETE 10.24 ZAC 85.00 ETC 13.63 CLP -27.34

PLANETOCENTRIC CONIC

C3 10.640 VHL 3.262 DLA -15.59 RAL 147.08 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 4.945 DPA .50 RAP 181.44 ECC 1.1751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 55 44 1567.52 -.41 3.67 359.03 118.31 6 21 52 967.5 3.38 357.04
 90.00 13 44 57 5225.47 26.45 235.05 3.32 79.51 15 12 2 4625.5 24.73 226.80
 100.00 7 8 30 1332.73 -1.37 345.88 358.50 119.86 7 30 43 732.7 2.62 339.36
 100.00 15 14 52 4935.50 27.52 213.47 3.07 77.86 16 37 7 4335.5 25.57 205.22
 110.00 7 57 41 1178.69 -3.82 332.67 356.98 124.00 8 17 19 578.7 .67 326.46
 110.00 16 42 11 4662.30 30.32 191.91 2.26 73.40 17 59 53 4062.3 27.75 183.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4743 TRA -1.3663 TC3 1.4246 BAU .2035 SGT 1415.7 SGR 336.5 SG3 444.7 ST 857.4 SR 314.4 SS 1179.3
 RDE -.1783 RRA -.0490 RC3 .1294 FAU .08177 RRT -.2580 RRF .2752 RTF -.8898 CRT -.9480 CRS -.9924 CST .9777
 FDE -1.5690 FRA .1257 FC3 -6.6536 BSP 4558 SGB 1455.1 R23 -.0340 R13 .8904 LSA 1483.2 MSA 156.3 SSA 17.8
 BDE .5067 BRA .3696 BC3 1.4305 FSP -1305 SG1 1418.5 SG2 324.4 THA 176.30 EL1 908.3 EL2 94.4 ALF 160.61

LAUNCH DATE JUN 12 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 302.518

RL 151.91 LAL -0.00 LOL 260.37 VL 26.637 GAL -1.32 AZL 93.18 HCA 131.30 SMA 127.89 ECC .18919 INC 3.1792 V1 29.328
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.584 GAP -6.47 AZP 87.90 TAL 185.69 TAP 317.00 RCA 103.70 APO 152.09 V2 34.983
 RC 63.388 GL -27.37 GP -2.51 ZAL 104.47 ZAP 30.67 ETS 3.39 ZAE 149.52 ETE 9.39 ZAC 85.11 ETC 13.65 CLP -30.57

PLANETOCENTRIC CONIC

C3 10.322 VHL 3.213 DLA -15.49 RAL 145.94 RAD 6567.4 VEL 11.477 PTH 1.99 VHP 4.649 DPA .28 RAP 181.29 ECC 1.1699
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 50 13 1565.12 -.33 3.54 357.51 118.32 6 16 18 965.1 3.45 356.90
 90.00 13 41 21 5215.61 26.33 234.35 1.68 79.18 15 8 17 4615.6 24.57 226.12
 100.00 7 3 4 1330.07 -1.28 345.73 356.98 119.87 7 25 14 730.1 2.71 339.21
 100.00 15 11 11 4925.89 27.39 212.80 1.43 77.52 16 33 17 4325.9 25.39 204.56
 110.00 7 52 24 1175.52 -3.69 332.50 355.48 124.01 8 12 0 575.5 .79 326.29
 110.00 16 38 20 4653.21 30.14 191.26 .61 73.05 17 55 54 4053.2 27.53 183.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4606 TRA -1.3417 TC3 1.4465 BAU .2001 SGT 1392.3 SGR 326.6 SG3 501.2 ST 843.5 SR 309.5 SS 1244.2
 RDE -.1730 RRA -.0458 RC3 .1021 FAU .09101 RRT -.3053 RRF .3279 RTF -.8897 CRT -.9518 CRS -.9940 CST .9771
 FDE -1.7350 FRA .0726 FC3 -7.6331 BSP 4524 SGB 1430.0 R23 -.0443 R13 .8905 LSA 1526.6 MSA 156.8 SSA 17.2
 BDE .4920 BRA .3447 BC3 1.4501 FSP -1489 SG1 1396.0 SG2 310.1 THA 175.69 EL1 894.0 EL2 89.5 ALF 160.54

LAUNCH DATE JUN 12 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 309.113

RL 151.91 LAL -0.00 LOL 260.37 VL 26.696 GAL -1.40 AZL 93.15 HCA 134.50 SMA 128.28 ECC .18581 INC 3.1548 V1 29.328
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.638 GAP -5.88 AZP 87.79 TAL 186.17 TAP 320.67 RCA 104.44 APO 152.11 V2 34.996
 RC 65.357 GL -27.61 GP -2.82 ZAL 105.38 ZAP 34.14 ETS 3.33 ZAE 150.84 ETE 8.51 ZAC 85.44 ETC 13.68 CLP -34.04

PLANETOCENTRIC CONIC

C3 10.044 VHL 3.169 DLA -15.36 RAL 144.93 RAD 6567.4 VEL 11.464 PTH 1.99 VHP 4.372 DPA .10 RAP 180.93 ECC 1.1653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 44 59 1564.32 -.31 3.49 356.15 118.32 6 11 3 964.3 3.48 356.86
 90.00 13 38 31 5205.48 26.20 233.64 .21 78.84 15 5 16 4605.5 24.39 225.43
 100.00 6 57 55 1328.96 -1.24 345.67 355.63 119.87 7 20 4 729.0 2.74 339.15
 100.00 15 8 15 4916.08 27.24 212.10 359.96 77.19 16 30 11 4316.1 25.20 203.89
 110.00 7 47 28 1173.76 -3.63 332.41 354.14 124.01 8 7 2 573.8 .86 326.20
 110.00 16 35 12 4644.04 29.96 190.61 359.13 72.71 17 52 36 4044.0 27.30 182.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4398 TRA -1.3219 TC3 1.4299 BAU .1922 SGT 1348.3 SGR 318.0 SG3 563.3 ST 815.9 SR 305.4 SS 1309.1
 RDE -.1684 RRA -.0430 RC3 .0693 FAU .10113 RRT -.3583 RRF .3900 RTF -.8851 CRT -.9537 CRS -.9953 CST .9756
 FDE -1.9148 FRA .0184 FC3 -8.7162 BSP 4359 SGB 1385.3 R23 -.0608 R13 .8865 LSA 1564.4 MSA 158.3 SSA 16.4
 BDE .4709 BRA .3247 BC3 1.4316 FSP -1683 SG1 1353.3 SG2 295.8 THA 174.93 EL1 866.9 EL2 86.4 ALF 160.15

LAUNCH DATE JUN 12 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 315.690

RL 151.91 LAL -0.00 LOL 260.37 VL 26.747 GAL -1.47 AZL 93.13 HCA 137.70 SMA 128.62 ECC .18286 INC 3.1274 V1 29.328
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.687 GAP -5.31 AZP 87.69 TAL 186.59 TAP 324.30 RCA 105.10 APO 152.14 V2 35.009
 RC 67.365 GL -27.77 GP -3.19 ZAL 106.19 ZAP 37.86 ETS 3.29 ZAE 152.50 ETE 7.55 ZAC 86.03 ETC 13.70 CLP -37.75

PLANETOCENTRIC CONIC

C3 9.799 VHL 3.130 DLA -15.20 RAL 144.05 RAD 6567.4 VEL 11.454 PTH 1.99 VHP 4.116 DPA -.02 RAP 180.31 ECC 1.1613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 40 3 1564.96 -.33 3.53 354.95 118.32 6 6 8 965.0 3.46 356.90
 90.00 13 36 26 5195.03 26.06 232.90 358.91 78.50 15 3 1 4595.0 24.21 224.72
 100.00 6 53 7 1329.22 -1.25 345.69 354.44 119.87 7 15 16 729.2 2.73 339.16
 100.00 15 6 3 4906.00 27.09 211.39 358.66 76.84 16 27 49 4306.0 25.00 203.21
 110.00 7 42 54 1173.26 -3.61 332.38 352.96 124.02 8 2 27 573.3 .88 326.18
 110.00 16 32 45 4634.73 29.77 189.95 357.82 72.36 17 50 0 4034.7 27.07 181.81

DIFFERENTIAL CORRECTIONS

TDE .4146 TRA -.3037 TC3 1.3836 BAU .1813
 RDE -.1648 RRA -.0407 RC3 .0293 FAU .11241
 FDE-2.1123 FRA -.0428 FC3-9.9307 BSP 4182
 BDE .4461 BRA .3064 BC3 1.3839 FSP -1911

MID-COURSE EXECUTION ACCURACY

SGT 1287.6 SGR 311.9 SG3 632.6
 RRT -.4197 RRF .4635 RTF -.8775
 SGB 1324.9 R23 -.0845 R13 .8797
 SG1 1294.6 SG2 281.6 THA 173.90

ORBIT DETERMINATION ACCURACY

ST 778.6 SR 302.6 SS 1376.4
 CRT -.9546 CRS -.9963 CST .9735
 LSA 1602.0 MSA 159.8 SSA 15.6
 EL1 831.1 EL2 84.4 ALF 159.43

LAUNCH DATE JUN 12 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 322.247

RL 151.91 LAL -0.00 LOL 260.37 VL 26.791 GAL -1.52 AZL 93.10 HCA 140.91 SMA 128.92 ECC .18030 INC 3.0964 V1 29.328
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.730 GAP -4.76 AZP 87.60 TAL 186.96 TAP 327.87 RCA 105.67 APO 152.16 V2 35.023
 RC 69.409 GL -27.87 GP -3.62 ZAL 106.89 ZAP 41.85 ETS 3.27 ZAE 154.52 ETE 6.43 ZAC 86.88 ETC 13.71 CLP -41.73

PLANETOCENTRIC CONIC

C3 9.580 VHL 3.095 DLA -15.02 RAL 143.31 RAD 6567.3 VEL 11.444 PTH 1.99 VHP 3.881 DPA -.09 RAP 179.43 ECC 1.1577
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 35 28 1566.90 -.39 3.64 353.92 118.31 6 1 35 966.9 3.40 357.00
 90.00 13 35 8 5184.16 25.91 232.14 357.78 78.15 15 1 33 4584.2 24.01 223.99
 100.00 6 48 40 1330.73 -1.30 345.77 353.41 119.87 7 10 51 730.7 2.68 339.25
 100.00 15 4 38 4895.56 26.92 210.66 357.53 76.49 16 26 13 4295.6 24.79 202.51
 110.00 7 38 44 1173.89 -3.63 332.42 351.96 124.01 7 58 18 573.9 .86 326.21
 110.00 16 31 3 4625.17 29.57 189.28 356.68 72.01 17 48 8 4025.2 26.82 181.17

DIFFERENTIAL CORRECTIONS

TDE .3821 TRA -.2906 TC3 1.2940 BAU .1658
 RDE -.1623 RRA -.0386 RC3 -.0186 FAU .12454
 FDE-2.3216 FRA -.1008 FC-11.2544 BSP 3880
 BDE .4152 BRA .2931 BC3 1.2942 FSP -2146

MID-COURSE EXECUTION ACCURACY

SGT 1205.1 SGR 309.7 SG3 707.4
 RRT -.4838 RRF .5466 RTF -.8628
 SGB 1244.2 R23 -.1225 R13 .8667
 SG1 1214.8 SG2 268.9 THA 172.55

ORBIT DETERMINATION ACCURACY

ST 727.2 SR 301.3 SS 1442.8
 CRT -.9531 CRS -.9971 CST .9700
 LSA 1635.5 MSA 161.8 SSA 14.7
 EL1 782.6 EL2 84.7 ALF 158.18

LAUNCH DATE JUN 12 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 328.784

RL 151.91 LAL -0.00 LOL 260.37 VL 26.829 GAL -1.57 AZL 93.06 HCA 144.11 SMA 129.17 ECC .17811 INC 3.0608 V1 29.328
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.770 GAP -4.22 AZP 87.52 TAL 187.27 TAP 331.38 RCA 106.17 APO 152.18 V2 35.036
 RC 71.485 GL -27.88 GP -4.12 ZAL 107.49 ZAP 46.13 ETS 3.26 ZAE 156.90 ETE 5.04 ZAC 88.03 ETC 13.71 CLP -45.99

PLANETOCENTRIC CONIC

C3 9.380 VHL 3.063 DLA -14.82 RAL 142.72 RAD 6567.3 VEL 11.435 PTH 1.98 VHP 3.668 DPA -.12 RAP 178.26 ECC 1.1544
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 14 1570.12 -.50 3.82 353.05 118.31 5 57 24 970.1 3.29 357.18
 90.00 13 34 40 5172.67 25.74 231.34 356.82 77.78 15 0 53 4572.7 23.80 223.21
 100.00 6 44 35 1333.47 -1.39 345.92 352.55 119.86 7 6 49 733.5 2.59 339.40
 100.00 15 4 1 4884.56 26.74 209.89 356.56 76.12 16 25 25 4284.6 24.57 201.77
 110.00 7 34 58 1175.63 -3.70 332.51 351.11 124.01 7 54 34 575.6 .79 326.30
 110.00 16 30 6 4615.16 29.35 188.58 355.70 71.64 17 47 2 4015.2 26.57 180.50

DIFFERENTIAL CORRECTIONS

TDE .3449 TRA -.2792 TC3 1.1709 BAU .1472
 RDE -.1613 RRA -.0371 RC3 -.0773 FAU .13791
 FDE-2.5465 FRA -.1645 FC-12.7286 BSP 3573
 BDE .3807 BRA .2816 BC3 1.1734 FSP -2424

MID-COURSE EXECUTION ACCURACY

SGT 1105.7 SGR 313.8 SG3 789.9
 RRT -.5474 RRF .6378 RTF -.8402
 SGB 1149.3 R23 -.1804 R13 .8477
 SG1 1119.7 SG2 259.3 THA 170.67

ORBIT DETERMINATION ACCURACY

ST 665.6 SR 302.5 SS 1511.9
 CRT -.9497 CRS -.9977 CST .9647
 LSA 1671.4 MSA 163.4 SSA 13.8
 EL1 725.9 EL2 86.8 ALF 156.29

LAUNCH DATE JUN 12 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 335.301

RL 151.91 LAL -0.00 LOL 260.37 VL 26.861 GAL -1.60 AZL 93.02 HCA 147.32 SMA 129.39 ECC .17624 INC 3.0192 V1 29.328
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.805 GAP -3.70 AZP 87.46 TAL 187.50 TAP 334.83 RCA 106.58 APO 152.19 V2 35.049
 RC 73.590 GL -27.80 GP -4.73 ZAL 107.97 ZAP 50.70 ETS 3.25 ZAE 159.63 ETE 3.12 ZAC 89.48 ETC 13.69 CLP -50.54

PLANETOCENTRIC CONIC

C3 9.193 VHL 3.032 DLA -14.58 RAL 142.29 RAD 6567.3 VEL 11.427 PTH 1.98 VHP 3.478 DPA -.13 RAP 176.79 ECC 1.1513
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 20 1574.69 -.64 4.07 352.34 118.31 5 53 34 974.7 3.15 357.44
 90.00 13 35 6 5160.27 25.56 230.48 356.01 77.38 15 1 6 4560.3 23.57 222.38
 100.00 6 40 51 1337.47 -1.53 346.14 351.85 119.86 7 3 9 737.5 2.46 339.62
 100.00 15 4 16 4872.71 26.55 209.07 355.75 75.73 16 25 29 4272.7 24.32 200.97
 110.00 7 31 36 1178.49 -3.81 332.66 350.43 124.00 7 51 15 578.5 .68 326.45
 110.00 16 30 0 4604.46 29.12 187.83 354.88 71.25 17 46 44 4004.5 26.29 179.80

DIFFERENTIAL CORRECTIONS

TDE .2990 TRA -.2732 TC3 .9923 BAU .1233
 RDE -.1618 RRA -.0357 RC3 -.1479 FAU .15165
 FDE-2.7697 FRA -.2180 FC-14.2821 BSP 3129
 BDE .3400 BRA .2755 BC3 1.0032 FSP -2698

MID-COURSE EXECUTION ACCURACY

SGT 982.8 SGR 326.1 SG3 875.1
 RRT -.5913 RRF .7286 RTF -.7978
 SGB 1035.5 R23 -.2748 R13 .8139
 SG1 1002.9 SG2 257.7 THA 168.10

ORBIT DETERMINATION ACCURACY

ST 587.5 SR 306.4 SS 1575.4
 CRT -.9411 CRS -.9982 CST .9551
 LSA 1701.0 MSA 165.5 SSA 12.9
 EL1 656.1 EL2 92.8 ALF 153.28

LAUNCH DATE JUN 12 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 341.797

RL 151.91 LAL -.00 LOL 260.37 VL 26.888 GAL -1.62 AZL 92.97 HCA 150.53 SMA 129.57 ECC .17469 INC 2.9696 V1 29.328
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.836 GAP -3.19 AZP 87.41 TAL 187.68 TAP 338.21 RCA 106.93 APO 152.20 V2 35.062
 RC 75.721 GL -27.63 GP -5.46 ZAL 108.35 ZAP 55.56 ETS 3.22 ZAE 162.69 ETE .24 ZAC 91.23 ETC 13.64 CLP -55.38

PLANETOCENTRIC CONIC

C3 9.012 VHL 3.002 DLA ~14.29 RAL 142.01 RAD 6567.3 VEL 11.419 PTH 1.98 VHP 3.313 DPA -.14 RAP 175.01 ECC 1.1483
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 40 1580.89 -.84 4.42 351.80 118.31 5 50 1 980.9 2.95 357.79
 90.00 13 36 33 5146.41 25.35 229.52 355.35 76.95 15 2 19 4546.4 23.30 221.45
 100.00 6 37 23 1343.02 -1.72 346.44 351.31 119.85 6 59 46 743.0 2.27 339.92
 100.00 15 5 31 4859.51 26.32 208.15 355.09 75.30 16 26 30 4259.5 24.04 200.09
 110.00 7 28 34 1182.70 -3.97 332.88 349.91 123.98 7 48 17 582.7 .52 326.67
 110.00 16 30 49 4592.59 28.86 187.01 354.21 70.83 17 47 22 3992.6 25.97 179.02

DIFFERENTIAL CORRECTIONS

TDE .2471 TRA -.2695 TC3 .7664 BAU .0966
 RDE -.1644 RRA -.0347 RC3 -.2349 FAU .16585
 FDE -2.9923 FRA -.2698 FC-15.913 BSP 2655
 BDE .2968 BRA .2717 BC3 .8016 FSP -2999

MID-COURSE EXECUTION ACCURACY

SGT 846.1 SGR 350.7 SG3 963.6
 RRT -.5950 RRF .8122 RTF -.7219
 SGB 915.9 R23 -.4126 R13 .7600
 SG1 874.3 SG2 272.8 THA 164.61

ORBIT DETERMINATION ACCURACY

ST 498.0 SR 314.4 SS 1637.5
 CRT -.9245 CRS -.9986 CST .9380
 LSA 1732.1 MSA 167.1 SSA 11.9
 EL1 579.8 EL2 102.9 ALF 148.63

LAUNCH DATE JUN 12 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 348.272

RL 151.91 LAL -.00 LOL 260.37 VL 26.909 GAL -1.62 AZL 92.91 HCA 153.74 SMA 129.71 ECC .17341 INC 2.9090 V1 29.328
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.863 GAP -2.70 AZP 87.39 TAL 187.78 TAP 341.52 RCA 107.22 APO 152.21 V2 35.075
 RC 77.874 GL -27.34 GP -6.35 ZAL 108.62 ZAP 60.69 ETS 3.16 ZAE 166.01 ETE 355.40 ZAC 93.27 ETC 13.54 CLP -60.49

PLANETOCENTRIC CONIC

C3 8.832 VHL 2.972 DLA -13.95 RAL 141.90 RAD 6567.3 VEL 11.411 PTH 1.98 VHP 3.173 DPA -.19 RAP 172.93 ECC 1.1454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 7 1589.24 -1.11 4.88 351.41 118.30 5 46 36 989.2 2.68 358.25
 90.00 13 39 13 5130.30 25.10 228.41 354.84 76.44 15 4 44 4530.3 22.99 220.37
 100.00 6 34 5 1350.59 -1.97 346.86 350.93 119.83 6 56 36 750.6 2.01 340.34
 100.00 15 7 57 4844.18 26.05 207.09 354.57 74.80 16 28 41 4244.2 23.71 199.07
 110.00 7 25 47 1188.66 -4.19 333.19 349.55 123.96 7 45 36 588.7 .29 326.98
 110.00 16 32 44 4578.88 28.55 186.06 353.69 70.35 17 49 3 3978.9 25.60 178.12

DIFFERENTIAL CORRECTIONS

TDE .1866 TRA -.2705 TC3 .4787 BAU .0694
 RDE -.1691 RRA -.0336 RC3 -.3414 FAU .17931
 FDE -3.1827 FRA -.2983 FC-17.5764 BSP 2110
 BDE .2518 BRA .2726 BC3 .5880 FSP -3278

MID-COURSE EXECUTION ACCURACY

SGT 706.5 SGR 389.7 SG3 1048.1
 RRT -.5051 RRF .8799 RTF -.5673
 SGB 806.8 R23 -.5943 R13 .6643
 SG1 740.2 SG2 321.0 THA 160.65

ORBIT DETERMINATION ACCURACY

ST 394.3 SR 326.6 SS 1685.2
 CRT -.8858 CRS -.9989 CST .9000
 LSA 1753.1 MSA 168.9 SSA 10.9
 EL1 497.7 EL2 120.1 ALF 141.04

LAUNCH DATE JUN 12 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 354.727

RL 151.91 LAL -.00 LOL 260.37 VL 26.926 GAL -1.62 AZL 92.83 HCA 156.96 SMA 129.83 ECC .17239 INC 2.8326 V1 29.328
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.886 GAP -2.22 AZP 87.39 TAL 187.81 TAP 344.77 RCA 107.44 APO 152.21 V2 35.088
 RC 80.046 GL -26.90 GP -7.46 ZAL 108.79 ZAP 66.06 ETS 3.03 ZAE 169.42 ETE 346.17 ZAC 95.60 ETC 13.36 CLP -65.84

PLANETOCENTRIC CONIC

C3 8.644 VHL 2.940 DLA -13.50 RAL 141.97 RAD 6567.3 VEL 11.403 PTH 1.97 VHP 3.060 DPA -.36 RAP 170.54 ECC 1.1423
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 27 1600.75 -1.48 5.52 351.18 118.28 5 43 8 1000.8 2.31 358.90
 90.00 13 43 28 5110.59 24.78 227.05 354.47 75.84 15 8 38 4510.6 22.59 219.06
 100.00 6 30 43 1361.13 -2.33 347.44 350.71 119.81 6 53 24 761.1 1.65 340.92
 100.00 15 11 52 4825.45 25.71 205.80 354.19 74.21 16 32 18 4225.5 23.30 197.84
 110.00 7 23 4 1197.15 -4.52 333.64 349.35 123.92 7 43 2 597.1 -.03 327.42
 110.00 16 36 0 4562.20 28.16 184.92 353.30 69.77 17-52 3 3962.2 25.15 177.04

DIFFERENTIAL CORRECTIONS

TDE .1213 TRA -.2730 TC3 .1378 BAU .0573
 RDE -.1767 RRA -.0326 RC3 -.4759 FAU .19191
 FDE -3.3376 FRA -.3103 FC-19.2205 BSP 1680
 BDE .2144 BRA .2750 BC3 .4955 FSP -3545

MID-COURSE EXECUTION ACCURACY

SGT 601.6 SGR 448.6 SG3 1127.9
 RRT -.2534 RRF .9296 RTF -.2691
 SGB 750.4 R23 -.7995 R13 .4757
 SG1 622.1 SG2 419.6 THA 159.80

ORBIT DETERMINATION ACCURACY

ST 287.8 SR 345.1 SS 1722.7
 CRT -.7876 CRS -.9992 CST .8040
 LSA 1772.2 MSA 170.1 SSA 9.9
 EL1 425.8 EL2 143.7 ALF 128.48

LAUNCH DATE JUN 12 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 361.162

RL 151.91 LAL -.00 LOL 260.37 VL 26.938 GAL -1.60 AZL 92.73 HCA 160.18 SMA 129.91 ECC .17161 INC 2.7333 V1 29.328
 RP 107.96 LAP -.93 LOP 60.56 VP 37.907 GAP -1.76 AZP 87.43 TAL 187.77 TAP 347.95 RCA 107.61 APO 152.20 V2 35.101
 RC 82.236 GL -26.23 GP -8.87 ZAL 108.87 ZAP 71.61 ETS 2.81 ZAE 172.35 ETE 326.33 ZAC 98.16 ETC 13.07 CLP -71.38

PLANETOCENTRIC CONIC

C3 8.438 VHL 2.905 DLA -12.89 RAL 142.25 RAD 6567.3 VEL 11.394 PTH 1.97 VHP 2.976 DPA -.74 RAP 167.87 ECC 1.1389
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 12 15 1617.18 -2.01 6.44 351.11 118.25 5 39 12 1017.2 1.78 359.81
 90.00 13 49 51 5085.05 24.34 225.31 354.22 75.07 15 14 36 4485.1 22.05 217.38
 100.00 6 26 55 1376.26 -2.84 348.27 350.65 119.77 6 49 52 776.3 1.14 341.75
 100.00 15 17 52 4801.20 25.25 204.15 353.94 73.45 16 37 53 4201.2 22.74 196.25
 110.00 7 20 9 1209.58 -4.99 334.29 349.32 123.86 7 40 18 609.6 -.51 328.07
 110.00 16 41 8 4540.64 27.65 183.45 353.03 69.05 17 56 49 3940.6 24.54 175.66

DIFFERENTIAL CORRECTIONS

TDE .0507 TRA -.2779 TC3 -.2678 BAU .0791
 RDE -.1875 RRA -.0309 RC3 -.6483 FAU .20235
 FDE -3.4178 FRA -.2891 FC-20.7596 BSP 1627
 BDE .1942 BRA .2796 BC3 .7014 FSP -3774

MID-COURSE EXECUTION ACCURACY

SGT 591.8 SGR 531.6 SG3 1194.9
 RRT .1804 RRF .9621 RTF .1871
 SGB 795.5 R23 .7795 R13 .5641
 SG1 618.4 SG2 500.3 THA 29.59

ORBIT DETERMINATION ACCURACY

ST 196.1 SR 370.5 SS 1736.2
 CRT -.4644 CRS -.9994 CST .4850
 LSA 1777.8 MSA 171.5 SSA 8.8
 EL1 384.3 EL2 167.4 ALF 107.16

LAUNCH DATE JUN 12 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 367.576

RL 151.91 LAL -.00 LOL 260.37 VL 26.946 GAL -1.57 AZL 92.60 HCA 163.40 SMA 129.96 ECC .17105 INC 2.5966 V1 29.328
 RP 107.92 LAP -.74 LOP 63.78 VP 37.924 GAP -1.30 AZP 87.51 TAL 187.66 TAP 351.06 RCA 107.73 APO 152.19 V2 35.113
 RC 84.440 GL -25.23 GP -10.75 ZAL 108.87 ZAP 77.28 ETS 2.44 ZAE 173.21 ETE 289.54 ZAC 100.94 ETC 12.58 CLP -77.05

PLANETOCENTRIC CONIC

C3 8.199 VHL 2.863 DLA -12.00 RAL 142.77 RAD 6567.3 VEL 11.384 PTH 1.97 VHP 2.922 DPA -1.53 RAP 164.91 ECC 1.1349
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 6 48 1641.83 -2.81 7.82 351.22 118.19 5 34 9 1041.8 .98 1.19
 90.00 13 59 27 5049.63 23.70 222.91 354.08 74.03 15 23 37 4449.6 21.28 215.07
 100.00 6 22 1 1399.12 -3.61 349.53 350.78 119.69 6 45 20 799.1 .37 343.00
 100.00 15 26 55 4767.57 24.58 201.87 353.79 72.43 16 46 22 4167.6 21.95 194.07
 110.00 7 16 27 1228.66 -5.71 335.29 349.48 123.76 7 36 56 628.7 -1.24 329.07
 110.00 16 48 58 4510.79 26.90 181.45 352.87 68.07 18 4 9 3910.8 23.69 173.76

DIFFERENTIAL CORRECTIONS

TDE -.0199 TRA -.2814 TC3 -.7346 BAU .1253
 RDE -.2017 RRA -.0274 RC3 -.8762 FAU .20915
 FDE -3.3865 FRA -.2205 FC-22.0835 BSP 2172
 BDE .2026 BRA .2827 BC3 1.1434 FSP -3925

MID-COURSE EXECUTION ACCURACY

SGT 714.1 SGR 646.3 SG3 1240.3
 RRT .5620 RRF .9814 RTF .5706
 SGB 963.2 R23 .5015 R13 .8439
 SG1 852.8 SG2 447.6 THA 39.96

ORBIT DETERMINATION ACCURACY

ST 177.7 SR 404.1 SS 1713.7
 CRT .2669 CRS -.9996 CST -.2471
 LSA 1761.2 MSA 172.3 SSA 7.8
 EL1 407.5 EL2 169.8 ALF 81.89

LAUNCH DATE JUN 12 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 373.969

RL 151.91 LAL -.00 LOL 260.37 VL 26.950 GAL -1.53 AZL 92.40 HCA 166.62 SMA 129.99 ECC .17068 INC 2.3965 V1 29.328
 RP 107.89 LAP -.35 LOP 67.00 VP 37.938 GAP -.86 AZP 87.67 TAL 187.48 TAP 354.10 RCA 107.80 APO 152.18 V2 35.125
 RC 86.655 GL -23.63 GP -13.40 ZAL 108.83 ZAP 82.97 ETS 1.81 ZAE 170.49 ETE 258.33 ZAC 103.89 ETC 11.75 CLP -82.78

PLANETOCENTRIC CONIC

C3 7.902 VHL 2.811 DLA -10.61 RAL 143.62 RAD 6567.3 VEL 11.371 PTH 1.96 VHP 2.905 DPA -3.04 RAP 161.63 ECC 1.1301
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 37 1681.53 -4.08 10.04 351.56 118.05 5 26 39 1081.5 -.30 3.40
 90.00 14 14 25 4996.26 22.65 219.35 354.05 72.54 15 37 41 4396.3 20.05 211.64
 100.00 6 14 40 1436.15 -4.86 351.57 351.13 119.53 6 38 37 836.2 -.89 345.03
 100.00 15 41 2 4716.87 23.50 198.50 353.75 70.97 16 59 39 4116.9 20.68 190.83
 110.00 7 10 56 1260.00 -6.89 336.95 349.88 123.56 7 31 56 660.0 -2.43 330.70
 110.00 17 1 17 4465.79 25.72 178.48 352.80 66.67 18 15 42 3865.8 22.34 170.96

DIFFERENTIAL CORRECTIONS

TDE -.0842 TRA -.2804 TC3-1.2669 BAU .1845
 RDE -.2195 RRA -.0212 RC3-1.2016 FAU .21184
 FDE -3.2027 FRA -.1120 FC-23.2084 BSP 3154
 BDE .2351 BRA .2812 BC3 1.7462 FSP -3997

MID-COURSE EXECUTION ACCURACY

SGT 935.4 SGR 811.5 SG3 1260.7
 RRT .7688 RRF .9920 RTF .7729
 SGB 1238.3 R23 .3764 R13 .9179
 SG1 1166.3 SG2 416.2 THA 39.75

ORBIT DETERMINATION ACCURACY

ST 245.6 SR 448.1 SS 1641.3
 CRT .7224 CRS -.9997 CST -.7101
 LSA 1710.4 MSA 172.0 SSA 6.8
 EL1 486.4 EL2 156.4 ALF 65.72

LAUNCH DATE JUN 12 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 380.342

RL 151.91 LAL -.00 LOL 260.37 VL 26.951 GAL -1.48 AZL 92.07 HCA 169.84 SMA 130.00 ECC .17051 INC 2.0717 V1 29.328
 RP 107.85 LAP -.37 LOP 70.21 VP 37.950 GAP -.43 AZP 87.96 TAL 187.23 TAP 357.07 RCA 107.83 APO 152.16 V2 35.137
 RC 88.880 GL -20.84 GP -17.50 ZAL 108.80 ZAP 88.55 ETS .74 ZAE 165.05 ETE 245.67 ZAC 107.00 ETC 10.25 CLP -88.48

PLANETOCENTRIC CONIC

C3 7.504 VHL 2.739 DLA -8.14 RAL 145.01 RAD 6567.2 VEL 11.353 PTH 1.96 VHP 2.939 DPA -5.93 RAP 157.86 ECC 1.1235
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 44 25 1752.41 -6.34 14.03 352.29 117.66 5 13 38 1152.4 -2.58 7.36
 90.00 14 39 41 4906.50 20.70 213.49 354.15 70.24 16 1 27 4306.5 17.82 206.00
 100.00 6 1 50 1502.68 -7.08 355.26 351.88 119.12 6 26 52 902.7 -3.14 348.69
 100.00 16 4 57 4631.46 21.49 192.95 353.83 68.71 17 22 9 4031.5 18.41 185.51
 110.00 7 1 6 1317.09 -9.03 339.99 350.69 123.11 7 23 3 717.1 -4.61 333.69
 110.00 17 22 10 4389.81 23.58 173.62 352.85 64.51 18 35 20 3789.8 19.96 166.36

DIFFERENTIAL CORRECTIONS

TDE -.1295 TRA -.2695 TC3-1.8879 BAU .2555
 RDE -.2375 RRA -.0070 RC3-1.7090 FAU .20738
 FDE -2.7643 FRA .0706 FC-23.9260 BSP 4445
 BDE .2705 BRA .2696 BC3 2.5466 FSP -3928

MID-COURSE EXECUTION ACCURACY

SGT 1211.4 SGR 1060.0 SG3 1237.9
 RRT .8656 RRF .9971 RTF .8665
 SGB 1609.7 R23 .2886 R13 .9544
 SG1 1555.7 SG2 413.3 THA 40.60

ORBIT DETERMINATION ACCURACY

ST 321.8 SR 497.5 SS 1471.5
 CRT .8508 CRS -.9998 CST -.8425
 LSA 1577.1 MSA 170.5 SSA 5.9
 EL1 574.1 EL2 146.5 ALF 58.93

LAUNCH DATE JUN 12 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 386.702

RL 151.91 LAL -.00 LOL 260.37 VL 26.948 GAL -1.42 AZL 91.45 HCA 173.07 SMA 129.98 ECC .17051 INC 1.4483 V1 29.328
 RP 107.82 LAP -.17 LOP 73.44 VP 37.958 GAP -.00 AZP 88.56 TAL 186.93 TAP 359.99 RCA 107.82 APO 152.14 V2 35.149
 RC 91.113 GL -15.01 GP -24.80 ZAL 108.91 ZAP 93.73 ETS 358.72 ZAE 156.56 ETE 243.54 ZAC 110.28 ETC 7.22 CLP -94.11

PLANETOCENTRIC CONIC

C3 6.934 VHL 2.633 DLA -2.86 RAL 147.55 RAD 6567.2 VEL 11.328 PTH 1.95 VHP 3.079 DPA -11.86 RAP 152.99 ECC 1.1141
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 14 24 1904.66 -11.04 22.74 354.11 116.24 4 46 9 1304.7 -7.43 15.92
 90.00 15 29 59 4726.13 16.15 202.22 354.73 66.42 16 48 45 4126.1 12.82 195.12
 100.00 5 34 25 1646.57 -11.75 3.39 353.74 117.69 6 1 52 1046.6 -7.95 356.66
 100.00 16 52 40 4459.46 16.87 182.27 354.39 64.95 18 6 59 3859.5 13.35 175.24
 110.00 6 39 36 1442.51 -13.61 346.82 352.65 121.66 7 3 38 842.5 -9.32 340.34
 110.00 18 3 58 4236.27 18.78 164.30 353.37 60.90 19 14 34 3636.3 14.76 157.49

DIFFERENTIAL CORRECTIONS

TDE -.1244 TRA -.2385 TC3-2.6600 BAU .3573
 RDE -.2600 RRA .0035 RC3-2.7899 FAU .20108
 FDE -2.0977 FRA .1116 FC-25.1058 BSP 6703
 BDE .2882 BRA .2385 BC3 3.8548 FSP -4099

MID-COURSE EXECUTION ACCURACY

SGT 1518.5 SGR 1574.5 SG3 1208.7
 RRT .9233 RRF .9993 RTF .9241
 SGB 2187.4 R23 .1846 R13 .9821
 SG1 2145.1 SG2 428.0 THA 46.12

ORBIT DETERMINATION ACCURACY

ST 315.1 SR 567.4 SS 1219.1
 CRT .8645 CRS -.9999 CST -.8591
 LSA 1372.0 MSA 157.6 SSA 5.3
 EL1 633.3 EL2 141.9 ALF 62.88

LAUNCH DATE JUN 12 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 393.025

RL 151.91 LAL -.00 LOL 260.37 VL 26.942 GAL -1.34 AZL 89.75 MCA 176.29 SMA 129.94 ECC .17067 INC .1175 V1 29.328
 RP 107.78 LAP .02 LOP 76.66 VP 37.965 GAP .41 AZP 90.25 TAL 186.54 TAP 2.83 RCA 107.76 APO 152.12 V2 35.160
 RC 93.352 GL 2.63 GP -41.06 ZAL 108.83 ZAP 97.30 ETS 354.29 ZAE 140.08 ETE 247.60 ZAC 113.12 ETC 359.70 CLP -99.71

PLANETOCENTRIC CONIC

C3 6.403 VHL 2.530 DLA 13.40 RAL 154.49 RAD 6567.2 VEL 11.305 PTH 1.94 VHP 3.671 DPA -26.12 RAP 144.43 ECC 1.1054
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 36 14 2409.11 -23.76 54.19 3.06 105.87 3 16 23 1809.1 -21.36 46.35
 90.00 18 3 34 4194.14 -.15 171.65 .45 61.68 19 13 28 3594.1 -3.93 165.02
 100.00 4 4 35 2124.18 -24.59 32.96 2.79 107.55 4 39 59 1524.2 -21.96 25.15
 100.00 19 17 54 3954.30 .61 153.60 .03 60.11 20 23 49 3354.3 -3.37 147.07
 110.00 5 28 35 1861.37 -26.77 12.14 1.92 112.10 5 59 36 1261.4 -23.53 4.47
 110.00 20 10 24 3789.88 2.56 139.90 358.80 55.90 21 13 34 3189.9 -1.93 133.70

DIFFERENTIAL CORRECTIONS

TDE .1092 TRA -.0978 TC3-3.4436 BAU .4772
 RDE -.0077 RRA .1917 RC3-4.3841 FAU .13354
 FDE .0242 FRA .8079 FC-18.0543 BSP 8397
 BDE .1094 BRA .2152 BC3 5.5749 FSP -2476

MID-COURSE EXECUTION ACCURACY

SGT 1774.9 SGR 2263.3 SG3 806.0
 RRT .9363 RRF .9999 RTF .9367
 SGB 2876.2 R23 .1329 R13 .9910
 SG1 2832.7 SG2 498.1 THA 52.35

ORBIT DETERMINATION ACCURACY

ST 261.7 SR 150.5 SS 199.7
 CRT -.2525 CRS -.9795 CST .0645
 LSA 273.5 MSA 236.9 SSA 8.2
 EL1 265.6 EL2 143.5 ALF 168.27

LAUNCH DATE JUN 12 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 399.286

RL 151.91 LAL -.00 LOL 260.37 VL 26.934 GAL -1.24 AZL 66.76 MCA 179.48 SMA 129.88 ECC .17097 INC23.2174 V1 29.328
 RP 107.75 LAP .21 LOP 79.88 VP 37.968 GAP .81 AZP 113.24 TAL 186.05 TAP 5.52 RCA 107.68 APO 152.09 V2 35.170
 RC 95.596 GL 66.39 GP -85.23 ZAL 93.81 ZAP 92.41 ETS 254.39 ZAE 88.87 ETE 160.87 ZAC 106.19 ETC 247.78 CLP 120.41

PLANETOCENTRIC CONIC

C3 134.480 VHL 11.597 DLA 63.26 RAL 212.80 RAD 6570.4 VEL 15.994 PTH 2.82 VHP 17.076 DPA -64.08 RAP 87.30 ECC 3.2132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.74 21 14 24 4837.44 -12.87 236.88 116.20 27.49 22 35 1 4237.4 -19.93 233.38
 149.26 7 10 34 3136.17 -12.86 95.50 116.18 27.49 8 2 50 2536.2 -19.92 92.00
 30.74 21 14 24 4837.44 -12.87 236.88 116.20 27.49 22 35 1 4237.4 -19.93 233.38
 149.26 7 10 34 3136.17 -12.86 95.50 116.18 27.49 8 2 50 2536.2 -19.92 92.00
 30.74 21 14 24 4837.44 -12.87 236.88 116.20 27.49 22 35 1 4237.4 -19.93 233.38
 149.26 7 10 34 3136.17 -12.86 95.50 116.18 27.49 8 2 50 2536.2 -19.92 92.00

DIFFERENTIAL CORRECTIONS

TDE 1.9802 TRA 3.5796 TC3 .1237 BAU .3161
 RDE -2.8959 RRA -2.2406 RC3 -.1250 FAU-.00654
 FDE .6889 FRA 1.0790 FC3 .0421 BSP 5604
 BDE 3.5082 BRA 4.2230 BC3 .1758 FSP 100

MID-COURSE EXECUTION ACCURACY

SGT 4060.4 SGR 2860.6 SG3 106.8
 RRT -.9601 RRF -.9696 RTF .9993
 SGB 4966.9 R23 -.0564 R13 -.9984
 SG1 4922.9 SG2 659.8 THA 145.21

ORBIT DETERMINATION ACCURACY

ST 1532.1 SR 1609.9 SS 726.0
 CRT -.9203 CRS .9458 CST -.9975
 LSA 2293.7 MSA 453.4 SSA .3
 EL1 2177.9 EL2 443.1 ALF 133.46

LAUNCH DATE JUN 12 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 405.653

RL 151.91 LAL -.00 LOL 260.37 VL 26.923 GAL -1.16 AZL 98.25 MCA 182.77 SMA 129.81 ECC .17147 INC 8.2450 V1 29.328
 RP 107.72 LAP .40 LOP 83.11 VP 37.970 GAP 1.23 AZP 81.76 TAL 185.62 TAP 8.39 RCA 107.55 APO 152.06 V2 35.180
 RC 97.843 GL -54.20 GP 48.77 ZAL 98.84 ZAP 103.34 ETS 17.01 ZAE 124.67 ETE 119.32 ZAC 93.58 ETC 27.73 CLP-110.49

PLANETOCENTRIC CONIC

C3 22.673 VHL 4.762 DLA -40.26 RAL 134.07 RAD 6567.9 VEL 12.002 PTH 2.14 VHP 4.284 DPA 57.12 RAP 184.82 ECC 1.3731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.10 5 36 59 1551.11 26.17 18.00 8.59 121.76 6 2 50 951.1 30.16 10.55
 119.90 12 19 54 5582.06 26.18 260.16 8.60 121.75 13 52 56 4982.1 30.17 252.71
 60.10 5 36 59 1551.11 26.17 18.00 8.59 121.76 6 2 50 951.1 30.16 10.55
 119.90 12 19 54 5582.06 26.18 260.16 8.60 121.75 13 52 56 4982.1 30.17 252.71
 60.10 5 36 59 1551.11 26.17 18.00 8.59 121.76 6 2 50 951.1 30.16 10.55
 119.90 12 19 54 5582.06 26.18 260.16 8.60 121.75 13 52 56 4982.1 30.17 252.71

DIFFERENTIAL CORRECTIONS

TDE-1.5099 TRA -.7127 TC3-1.2144 BAU .5065
 RDE 1.8095 RRA .2660 RC3-1.1480 FAU .08989
 FDE-5.2245 FRA -.8513 FC3-3.4321 BSP 10283
 BDE 2.3567 BRA .7607 BC3 1.6711 FSP -1907

MID-COURSE EXECUTION ACCURACY

SGT 2429.2 SGR 2472.2 SG3 623.1
 RRT -.9477 RRF -.9998 RTF .9539
 SGB 3465.9 R23 .1390 R13 -.9903
 SG1 3420.3 SG2 560.4 THA 134.47

ORBIT DETERMINATION ACCURACY

ST 1848.1 SR 2181.2 SS 2331.7
 CRT -.9921 CRS 1.0000 CST -.9929
 LSA 3684.0 MSA 195.9 SSA .7
 EL1 2853.4 EL2 177.2 ALF 130.24

LAUNCH DATE JUN 12 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 411.928

RL 151.91 LAL -.00 LOL 260.37 VL 26.910 GAL -1.05 AZL 95.62 MCA 186.00 SMA 129.72 ECC .17207 INC 5.6234 V1 29.328
 RP 107.69 LAP .59 LOP 86.34 VP 37.970 GAP 1.62 AZP 84.41 TAL 185.05 TAP 11.05 RCA 107.39 APO 152.04 V2 35.190
 RC 100.092 GL -44.96 GP 26.39 ZAL 100.47 ZAP 111.68 ETS 12.35 ZAE 141.98 ETE 134.91 ZAC 103.62 ETC 24.71 CLP-114.35

PLANETOCENTRIC CONIC

C3 13.923 VHL 3.731 DLA -32.11 RAL 139.46 RAD 6567.5 VEL 11.632 PTH 2.04 VHP 3.352 DPA 38.24 RAP 166.54 ECC 1.2291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.20 7 16 55 1203.41 24.30 349.23 3.43 111.66 7 36 58 603.4 27.02 341.30
 105.80 11 22 57 5703.34 24.31 268.76 3.43 111.65 12 58 0 5103.3 27.03 260.83
 74.20 7 16 55 1203.41 24.30 349.23 3.43 111.66 7 36 58 603.4 27.02 341.30
 105.80 11 22 57 5703.34 24.31 268.76 3.43 111.65 12 58 0 5103.3 27.03 260.83
 110.00 10 19 44 611.29 17.23 302.23 359.77 119.99 10 29 55 11.3 21.09 295.22
 110.00 13 19 18 5343.46 31.79 243.76 6.10 103.28 14 48 22 4743.5 33.29 234.85

DIFFERENTIAL CORRECTIONS

TDE-1.2084 TRA -.5210 TC3-2.3347 BAU .4801
 RDE .7230 RRA .0510 RC3 1.0970 FAU .14841
 FDE-5.7031 FRA -.4753 FC3-9.2280 BSP 8943
 BDE 1.4082 BRA .5235 BC3 2.5796 FSP -2913

MID-COURSE EXECUTION ACCURACY

SGT 2714.9 SGR 1382.5 SG3 965.4
 RRT -.9521 RRF -.9995 RTF .9580
 SGB 3046.6 R23 .2258 R13 -.9739
 SG1 3022.9 SG2 379.6 THA 153.69

ORBIT DETERMINATION ACCURACY

ST 1877.7 SR 1110.9 SS 2538.1
 CRT -.9920 CRS 1.0000 CST -.9926
 LSA 3341.5 MSA 190.8 SSA 1.3
 EL1 2178.4 EL2 121.0 ALF 149.49

LAUNCH DATE JUN 12 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 418.181

RL 151.91 LAL -.00 LOL 260.37 VL 26.894 GAL -.93 AZL 94.83 HCA 189.24 SMA 129.61 ECC .17282 INC 4.8321 V1 29.328
 RP 107.66 LAP .78 LOP 89.57 VP 37.967 GAP 2.00 AZP 85.23 TAL 184.44 TAP 13.67 RCA 107.21 APO 152.01 V2 35.199
 RC 102.344 GL -40.99 GP 17.33 ZAL 100.36 ZAP 117.11 ETS 10.15 ZAE 145.81 ETE 148.25 ZAC 107.93 ETC 22.77 CLP-118.52

PLANETOCENTRIC CONIC

C3 11.930 VHL 3.454 DLA -28.84 RAL 142.26 RAD 6567.5 VEL 11.546 PTH 2.02 VHP 3.258 DPA 30.31 RAP 161.11 ECC 1.1963
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.27 8 43 22 930.61 22.66 328.23 2.95 108.34 8 58 53 330.6 24.95 320.27
 95.73 10 18 49 621.70 22.67 305.59 2.96 108.33 10 29 11 21.7 24.96 297.63
 100.00 9 46 1 727.27 18.06 311.46 1.04 114.23 9 58 9 127.3 21.18 304.06
 100.00 11 58 51 5588.31 27.42 261.21 4.40 102.39 13 31 59 4988.3 28.85 252.70
 110.00 9 37 49 753.08 12.24 310.18 357.81 122.17 9 50 22 153.1 16.40 303.54
 110.00 14 23 33 5135.26 33.96 227.93 5.50 94.17 15 49 8 4535.3 34.16 218.69

DIFFERENTIAL CORRECTIONS

TDE-1.1817 TRA -.4571 TC3-3.0542 BAU .5038
 RDE .4211 RRA .0143 RC3 .8058 FAU .16163
 FDE-5.3271 FRA -.2202 FC-11.7293 BSP 9372
 BDE 1.2545 BRA .4573 BC3 3.1587 FSP -3224

MID-COURSE EXECUTION ACCURACY

SGT 3007.2 SGR 893.6 SG3 1036.5
 RRT -.9553 RRF -.9976 RTF .9640
 SGB 3137.2 R23 .2368 R13 -.9698
 SG1 3126.9 SG2 254.0 THA 164.04

ORBIT DETERMINATION ACCURACY

ST 1978.4 SR 698.7 SS 2488.4
 CRT -.9928 CRS 1.0000 CST -.9931
 LSA 3249.6 MSA 184.9 SSA 2.4
 EL1 2096.6 EL2 79.1 ALF 160.65

LAUNCH DATE JUN 12 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 424.418

RL 151.91 LAL -.00 LOL 260.37 VL 26.876 GAL -.79 AZL 94.45 HCA 192.47 SMA 129.49 ECC .17370 INC 4.4496 V1 29.328
 RP 107.63 LAP .96 LOP 92.80 VP 37.963 GAP 2.39 AZP 85.66 TAL 183.77 TAP 16.25 RCA 107.00 APO 151.98 V2 35.208
 RC 104.596 GL -38.78 GP 12.62 ZAL 99.65 ZAP 121.58 ETS 8.89 ZAE 145.83 ETE 157.22 ZAC 110.27 ETC 21.53 CLP-122.46

PLANETOCENTRIC CONIC

C3 11.081 VHL 3.329 DLA -27.27 RAL 144.37 RAD 6567.4 VEL 11.510 PTH 2.00 VHP 3.298 DPA 26.21 RAP 158.38 ECC 1.1824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 57 981.30 17.38 329.83 1.91 112.71 8 48 18 381.3 20.31 322.38
 90.00 10 47 7 5828.31 26.30 278.59 4.80 100.90 12 24 15 5228.3 27.54 270.14
 100.00 9 16 3 838.81 14.82 318.16 .69 116.26 9 30 1 238.8 18.23 311.02
 100.00 12 45 42 5446.03 29.08 250.96 5.30 97.24 14 16 28 4846.0 29.78 242.23
 110.00 9 27 2 804.29 10.37 312.97 358.11 122.76 9 40 27 204.3 14.62 306.44
 110.00 14 51 11 5053.32 34.18 221.54 5.70 90.39 16 15 25 4453.3 33.86 212.31

DIFFERENTIAL CORRECTIONS

TDE-1.2143 TRA -.4145 TC3-3.6081 BAU .5410
 RDE .2893 RRA .0029 RC3 .5635 FAU .16005
 FDE-4.9044 FRA -.0147 FC-12.5049 BSP 10121
 BDE 1.2483 BRA .4145 BC3 3.6519 FSP -3231

MID-COURSE EXECUTION ACCURACY

SGT 3283.7 SGR 623.5 SG3 1024.4
 RRT -.9507 RRF -.9912 RTF .9674
 SGB 3342.4 R23 .2203 R13 -.9698
 SG1 3337.0 SG2 190.2 THA 169.73

ORBIT DETERMINATION ACCURACY

ST 2105.2 SR 498.1 SS 2406.2
 CRT -.9937 CRS 1.0000 CST -.9935
 LSA 3230.6 MSA 181.6 SSA 3.5
 EL1 2162.6 EL2 54.1 ALF 166.76

LAUNCH DATE JUN 12 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 430.637

RL 151.91 LAL -.00 LOL 260.37 VL 26.857 GAL -.65 AZL 94.22 HCA 195.71 SMA 129.36 ECC .17471 INC 4.2222 V1 29.328
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.956 GAP 2.76 AZP 85.93 TAL 183.06 TAP 18.77 RCA 106.76 APO 151.96 V2 35.216
 RC 106.849 GL -37.34 GP 9.78 ZAL 98.65 ZAP 125.53 ETS 8.05 ZAE 144.64 ETE 163.11 ZAC 111.65 ETC 20.66 CLP-126.13

PLANETOCENTRIC CONIC

C3 10.625 VHL 3.260 DLA -26.46 RAL 146.26 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 3.382 DPA 23.72 RAP 156.80 ECC 1.1749
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 17 13 1046.80 15.62 333.83 2.49 113.92 8 34 40 446.8 18.72 326.53
 90.00 11 16 56 5745.63 27.23 272.72 6.06 98.09 12 52 41 5145.6 28.07 264.15
 100.00 9 8 39 880.69 13.54 320.61 1.47 116.90 9 23 20 280.7 17.05 313.57
 100.00 13 8 11 5386.97 29.51 246.63 6.35 95.00 14 37 58 4787.0 29.89 237.84
 110.00 9 25 38 827.41 9.52 314.21 359.10 122.99 9 39 25 227.4 13.79 307.73
 110.00 15 7 42 5013.02 34.16 218.40 6.52 88.53 16 31 15 4413.0 33.57 209.20

DIFFERENTIAL CORRECTIONS

TDE-1.2641 TRA -.3713 TC3-4.0526 BAU .5781
 RDE .2195 RRA -.0004 RC3 .3777 FAU .15291
 FDE-4.5183 FRA .1639 FC-12.4595 BSP 10852
 BDE 1.2830 BRA .3713 BC3 4.0701 FSP -3120

MID-COURSE EXECUTION ACCURACY

SGT 3528.3 SGR 457.7 SG3 981.9
 RRT -.9334 RRF -.9737 RTF .9694
 SGB 3557.8 R23 .1864 R13 -.9705
 SG1 3554.1 SG2 163.1 THA 173.08

ORBIT DETERMINATION ACCURACY

ST 2234.2 SR 385.8 SS 2322.2
 CRT -.9950 CRS .9999 CST -.9939
 LSA 3240.6 MSA 178.3 SSA 4.6
 EL1 2266.9 EL2 38.0 ALF 170.25

LAUNCH DATE JUN 12 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 436.837

RL 151.91 LAL -.00 LOL 260.37 VL 26.836 GAL -.49 AZL 94.07 HCA 198.95 SMA 129.22 ECC .17586 INC 4.0709 V1 29.328
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.948 GAP 3.13 AZP 86.15 TAL 182.30 TAP 21.25 RCA 106.49 APO 151.94 V2 35.223
 RC 109.101 GL -36.30 GP 7.89 ZAL 97.43 ZAP 129.10 ETS 7.45 ZAE 143.09 ETE 167.08 ZAC 112.43 ETC 19.99 CLP-129.54

PLANETOCENTRIC CONIC

C3 10.355 VHL 3.218 DLA -26.07 RAL 148.10 RAD 6567.4 VEL 11.478 PTH 2.00 VHP 3.489 DPA 22.01 RAP 155.90 ECC 1.1704
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 15 33 1071.84 14.92 335.34 3.68 114.35 8 33 25 471.8 18.09 328.09
 90.00 11 33 14 5710.20 27.54 270.17 7.45 96.86 13 8 24 5110.2 28.20 261.57
 100.00 9 9 23 898.00 13.01 321.62 2.73 117.15 9 24 21 298.0 16.55 314.61
 100.00 13 22 5 5359.27 29.66 244.58 7.68 93.93 14 51 25 4759.3 29.89 235.78
 110.00 9 28 47 837.12 9.16 314.73 .45 123.08 9 42 44 237.1 13.45 308.26
 110.00 15 19 11 4992.92 34.11 216.83 7.75 87.60 16 42 24 4392.9 33.40 207.66

DIFFERENTIAL CORRECTIONS

TDE-1.3207 TRA -.3226 TC3-4.4232 BAU .6132
 RDE .1785 RRA -.0002 RC3 .2345 FAU .14366
 FDE-4.1704 FRA .3296 FC-12.0102 BSP 11511
 BDE 1.3327 BRA .3226 BC3 4.4295 FSP -2949

MID-COURSE EXECUTION ACCURACY

SGT 3747.3 SGR 351.8 SG3 927.8
 RRT -.8925 RRF -.9335 RTF .9704
 SGB 3763.8 R23 .1461 R13 -.9709
 SG1 3760.5 SG2 158.1 THA 175.20

ORBIT DETERMINATION ACCURACY

ST 2360.8 SR 317.8 SS 2240.4
 CRT -.9964 CRS .9995 CST -.9942
 LSA 3265.4 MSA 175.4 SSA 5.7
 EL1 2381.9 EL2 26.6 ALF 172.36

LAUNCH DATE JUN 12 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 443.018

RL 151.91 LAL -.00 LOL 260.37 VL 26.813 GAL -.32 AZL 93.96 HCA 202.19 SMA 129.06 ECC .17713 INC 3.9626 V1 29.328
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.938 GAP 3.50 AZP 86.33 TAL 181.49 TAP 23.69 RCA 106.20 APO 151.92 V2 35.230
 RC 111.351 GL -35.47 GP 6.54 ZAL 96.06 ZAP 132.36 ETS 6.98 ZAE 141.48 ETE 169.88 ZAC 112.79 ETC 19.43 CLP-132.70

PLANETOCENTRIC CONIC

C3 10.195 VHL 3.193 DLA -25.93 RAL 149.95 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 3.610 DPA 20.72 RAP 155.47 ECC 1.1678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 19 55 1078.87 14.72 335.76 5.23 114.46 8 37 54 478.9 17.90 328.53
 90.00 11 43 38 5696.87 27.65 269.21 9.04 96.38 13 18 35 5096.9 28.24 260.59
 100.00 9 14 30 902.64 12.86 321.89 4.30 117.22 9 29 33 302.6 16.41 314.89
 100.00 13 31 44 5348.34 29.70 243.77 9.24 93.51 15 0 53 4748.3 29.87 234.97
 110.00 9 34 43 839.22 9.08 314.85 2.06 123.10 9 48 42 239.2 13.37 308.38
 110.00 15 28 1 4984.52 34.08 216.17 9.28 87.22 16 51 6 4384.5 33.32 207.02

DIFFERENTIAL CORRECTIONS

TDE-1.3855 TRA -.2726 TC3-4.7547 BAU .6482
 RDE .1539 RRA .0026 RC3 .1241 FAU .13451
 FDE-3.8784 FRA .4613 FC-11.4225 BSP 12240
 BDE 1.3940 BRA .2726 BC3 4.7563 FSP -2800

MID-COURSE EXECUTION ACCURACY

SGT 3961.8 SGR 287.3 SG3 874.7
 RRT -.8169 RRF -.8577 RTF .9711
 SGB 3972.3 R23 .1093 R13 -.9714
 SGI 3968.8 S62 165.5 THA 176.60

ORBIT DETERMINATION ACCURACY

ST 2493.3 SR 276.2 SS 2173.4
 CRT -.9978 CRS .9987 CST -.9945
 LSA 3314.6 MSA 172.4 SSA 6.9
 EL1 2508.5 EL2 18.1 ALF 173.69

LAUNCH DATE JUN 12 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 449.180

RL 151.91 LAL -.00 LOL 260.37 VL 26.789 GAL -.14 AZL 93.88 HCA 205.44 SMA 128.90 ECC .17854 INC 3.8805 V1 29.328
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.927 GAP 3.87 AZP 86.49 TAL 180.65 TAP 26.08 RCA 105.89 APO 151.92 V2 35.236
 RC 113.598 GL -34.77 GP 5.54 ZAL 94.55 ZAP 135.36 ETS 6.60 ZAE 139.92 ETE 171.91 ZAC 112.81 ETC 18.94 CLP-135.64

PLANETOCENTRIC CONIC

C3 10.107 VHL 3.179 DLA -25.95 RAL 151.85 RAD 6567.4 VEL 11.467 PTH 1.99 VHP 3.740 DPA 19.68 RAP 155.40 ECC 1.1663
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 2 1075.38 14.82 335.55 7.03 114.41 8 45 57 475.4 17.99 328.31
 90.00 11 50 41 5696.92 27.65 269.22 10.81 96.39 13 25 38 5096.9 28.24 260.60
 100.00 9 22 29 899.55 12.96 321.71 6.11 117.17 9 37 28 299.6 16.50 314.71
 100.00 13 38 55 5347.98 29.71 243.74 11.02 93.49 15 8 3 4748.0 29.87 234.94
 110.00 9 42 33 836.58 9.18 314.70 3.87 123.07 9 56 29 236.6 13.47 308.23
 110.00 15 35 20 4983.72 34.08 216.11 11.05 87.18 16 58 24 4383.7 33.31 206.95

DIFFERENTIAL CORRECTIONS

TDE-1.4543 TRA -.2257 TC3-5.0515 BAU .6826
 RDE .1390 RRA .0076 RC3 .0375 FAU .12603
 FDE-3.6278 FRA .5364 FC-10.7948 BSP 12962
 BDE 1.4609 BRA .2258 BC3 5.0516 FSP -2661

MID-COURSE EXECUTION ACCURACY

SGT 4170.1 SGR 252.2 SG3 824.3
 RRT -.7039 RRF -.7423 RTF .9726
 SGB 4177.8 R23 .0793 R13 -.9728
 SGI 4173.9 SG2 178.9 THA 177.56

ORBIT DETERMINATION ACCURACY

ST 2626.2 SR 250.6 SS 2116.4
 CRT -.9989 CRS .9973 CST -.9949
 LSA 3378.0 MSA 166.5 SSA 8.0
 EL1 2638.1 EL2 11.9 ALF 174.55

LAUNCH DATE JUN 12 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 455.324

RL 151.91 LAL -.00 LOL 260.37 VL 26.764 GAL .05 AZL 93.82 HCA 208.68 SMA 128.73 ECC .18008 INC 3.8160 V1 29.328
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.914 GAP 4.23 AZP 86.65 TAL 179.76 TAP 28.44 RCA 105.55 APO 151.91 V2 35.241
 RC 115.842 GL -34.13 GP 4.78 ZAL 92.92 ZAP 138.14 ETS 6.28 ZAE 138.46 ETE 173.43 ZAC 112.55 ETC 18.49 CLP-138.36

PLANETOCENTRIC CONIC

C3 10.076 VHL 3.174 DLA -26.09 RAL 153.82 RAD 6567.4 VEL 11.466 PTH 1.99 VHP 3.879 DPA 18.78 RAP 155.63 ECC 1.1658
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 38 52 1064.70 15.12 334.91 9.07 114.23 8 56 37 464.7 18.27 327.65
 90.00 11 55 34 5706.38 27.57 269.90 12.76 96.72 13 30 40 5106.4 28.22 261.29
 100.00 9 32 35 891.27 13.22 321.23 8.12 117.06 9 47 26 291.3 16.74 314.21
 100.00 13 44 33 5355.05 29.68 244.27 12.98 93.77 15 13 48 4755.0 29.88 235.47
 110.00 9 51 51 830.80 9.39 314.39 5.87 123.02 10 5 42 230.8 13.67 307.91
 110.00 15 41 46 4988.28 34.10 216.47 13.03 87.39 17 4 54 4388.3 33.36 207.30

DIFFERENTIAL CORRECTIONS

TDE-1.5105 TRA -.1433 TC3-5.2459 BAU .7067
 RDE .1292 RRA .0108 RC3 -.0376 FAU .11491
 FDE-3.3466 FRA .7146 FC3-9.8728 BSP 13292
 BDE 1.5160 BRA .1437 BC3 5.2461 FSP -2409

MID-COURSE EXECUTION ACCURACY

SGT 4313.7 SGR 235.3 SG3 762.3
 RRT -.5539 RRF -.5911 RTF .9704
 SGB 4320.1 R23 .0632 R13 -.9705
 SGI 4315.7 SG2 195.9 THA 178.27

ORBIT DETERMINATION ACCURACY

ST 2729.6 SR 233.2 SS 2030.3
 CRT -.9992 CRS .9945 CST -.9947
 LSA 3405.7 MSA 167.8 SSA 9.2
 EL1 2739.5 EL2 9.3 ALF 175.12

LAUNCH DATE JUN 12 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 461.449

RL 151.91 LAL -.00 LOL 260.37 VL 26.737 GAL .26 AZL 93.76 HCA 211.93 SMA 128.55 ECC .18175 INC 3.7636 V1 29.328
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.900 GAP 4.60 AZP 86.80 TAL 178.83 TAP 30.76 RCA 105.19 APO 151.92 V2 35.246
 RC 118.080 GL -33.53 GP 4.17 ZAL 91.18 ZAP 140.71 ETS 6.00 ZAE 137.12 ETE 174.60 ZAC 112.06 ETC 18.07 CLP-140.90

PLANETOCENTRIC CONIC

C3 10.094 VHL 3.177 DLA -26.31 RAL 155.87 RAD 6567.4 VEL 11.467 PTH 1.99 VHP 4.023 DPA 17.97 RAP 156.10 ECC 1.1661
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 51 57 1048.60 15.57 333.94 11.31 113.95 9 9 25 448.6 18.68 326.64
 90.00 11 58 52 5723.19 27.43 271.11 14.87 97.31 13 34 15 5123.2 28.16 262.52
 100.00 9 44 22 879.28 13.59 320.53 10.33 116.88 9 59 2 279.3 17.09 313.49
 100.00 13 49 7 5367.74 29.62 245.21 15.12 94.26 15 18 35 4767.7 29.89 236.41
 110.00 10 2 19 822.94 9.68 313.97 8.04 122.94 10 16 2 222.9 13.95 307.48
 110.00 15 47 39 4996.85 34.12 217.14 15.21 87.78 17 10 56 4396.8 33.44 207.96

DIFFERENTIAL CORRECTIONS

TDE-1.5845 TRA -.0782 TC3-5.4685 BAU .7381
 RDE .1252 RRA .0167 RC3 -.0924 FAU .10760
 FDE-3.1609 FRA .7818 FC3-9.2285 BSP 13953
 BDE 1.5894 BRA .0799 BC3 5.4693 FSP -2297

MID-COURSE EXECUTION ACCURACY

SGT 4501.6 SGR 235.7 SG3 719.5
 RRT -.4207 RRF -.4534 RTF .9714
 SGB 4507.8 R23 .0483 R13 -.9715
 SGI 4502.7 SG2 213.7 THA 178.74

ORBIT DETERMINATION ACCURACY

ST 2859.8 SR 226.0 SS 1989.2
 CRT -.9986 CRS .9912 CST -.9951
 LSA 3487.1 MSA 162.4 SSA 10.3
 EL1 2868.7 EL2 11.8 ALF 175.49

LAUNCH DATE JUN 12 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 467.554

RL 151.91 LAL -.00 LOL 260.37 VL 26.710 GAL .48 AZL 93.72 HCA 215.17 SMA 128.37 ECC .18357 INC 3.7199 V1 29.328
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.884 GAP 4.96 AZP 86.96 TAL 177.87 TAP 33.05 RCA 104.81 APO 151.94 V2 35.250
 RC 120.312 GL -32.94 GP 3.69 ZAL 89.35 ZAP 143.11 ETS 5.76 ZAE 135.91 ETE 175.53 ZAC 111.36 ETC 17.67 CLP-143.26

PLANETOCENTRIC CONIC

C3 10.157 VHL 3.187 DLA -26.58 RAL 158.01 RAD 6567.4 VEL 11.469 PTH 1.99 VHP 4.174 DPA 17.20 RAP 156.79 ECC 1.1672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 6 59 1028.00 16.13 332.69 13.74 113.59 9 24 7 428.0 19.19 325.35
 90.00 12 0 53 5746.25 27.22 272.76 17.12 98.12 13 36 39 5146.3 28.06 264.20
 100.00 9 57 35 864.58 14.04 319.67 12.72 116.66 10 11 59 264.6 17.51 312.59
 100.00 13 52 58 5384.91 29.52 246.47 17.42 94.92 15 22 43 4784.9 29.89 237.69
 110.00 10 13 46 813.76 10.02 313.48 10.37 122.85 10 27 20 213.8 14.28 306.97
 110.00 15 53 16 5008.49 34.15 218.04 17.58 88.32 17 16 44 4408.5 33.54 208.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6486 TRA .0045 TC3-5.6169 BAU .7629 SGT 4647.9 SGR 243.4 SG3 671.4 ST 2965.9 SR 222.8 SS 1926.1
 RDE .1237 RRA .0222 RC3 -.1386 FAU .09925 RRT -.3027 RRF -.3311 RTF .9709 CRT -.9970 CRS .9865 CST -.9952
 FDE-2.9551 FRA .8741 FC3-8.4603 BSP 14405 SGB 4654.2 R23 .0384 R13 -.9709 LSA 3539.9 MSA 159.6 SSA 11.4
 BDE 1.6533 BRA .0227 BC3 5.6186 FSP -2138 SG1 4648.4 SG2 231.9 THA 179.09 EL1 2974.2 EL2 17.3 ALF 175.72

LAUNCH DATE JUN 12 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 473.639

RL 151.91 LAL -.00 LOL 260.37 VL 26.681 GAL .71 AZL 93.68 HCA 218.42 SMA 128.18 ECC .18553 INC 3.6826 V1 29.328
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.867 GAP 5.32 AZP 87.11 TAL 176.88 TAP 35.30 RCA 104.40 APO 151.96 V2 35.253
 RC 122.538 GL -32.34 GP 3.29 ZAL 87.42 ZAP 145.34 ETS 5.55 ZAE 134.80 ETE 176.26 ZAC 110.48 ETC 17.29 CLP-145.48

PLANETOCENTRIC CONIC

C3 10.263 VHL 3.204 DLA -26.89 RAL 160.23 RAD 6567.4 VEL 11.474 PTH 1.99 VHP 4.330 DPA 16.46 RAP 157.65 ECC 1.1689
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 51 1003.35 16.80 331.19 16.36 113.13 9 40 34 403.4 19.79 323.79
 90.00 12 1 43 5775.08 26.93 274.82 19.51 99.11 13 37 58 5175.1 27.91 266.29
 100.00 10 11 58 847.92 14.54 318.69 15.28 116.41 10 26 6 247.9 17.98 311.58
 100.00 13 56 17 5405.75 29.39 248.01 19.88 95.72 15 26 23 4805.7 29.87 239.24
 110.00 10 25 59 803.91 10.38 312.95 12.87 122.75 10 39 23 203.9 14.63 306.41
 110.00 15 58 46 5022.52 34.17 219.14 20.11 88.97 17 22 28 4422.5 33.65 209.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7184 TRA .0910 TC3-5.7422 BAU .7882 SGT 4797.4 SGR 256.1 SG3 629.8 ST 3075.9 SR 224.1 SS 1876.3
 RDE .1249 RRA .0282 RC3 -.1743 FAU .09203 RRT -.2162 RRF -.2413 RTF .9709 CRT -.9943 CRS .9811 CST -.9954
 FDE-2.7851 FRA .9448 FC3-7.7631 BSP 14935 SGB 4804.2 R23 .0315 R13 -.9709 LSA 3606.5 MSA 155.8 SSA 12.4
 BDE 1.7230 BRA .0952 BC3 5.7449 FSP -2019 SG1 4797.7 SG2 250.1 THA 179.34 EL1 3083.9 EL2 23.8 ALF 175.86

LAUNCH DATE JUN 12 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 479.704

RL 151.91 LAL -.00 LOL 260.37 VL 26.652 GAL .96 AZL 93.65 HCA 221.67 SMA 127.99 ECC .18764 INC 3.6504 V1 29.328
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.849 GAP 5.68 AZP 87.27 TAL 175.86 TAP 37.52 RCA 103.97 APO 152.00 V2 35.256
 RC 124.755 GL -31.72 GP 2.96 ZAL 85.42 ZAP 147.43 ETS 5.35 ZAE 133.80 ETE 176.86 ZAC 109.45 ETC 16.92 CLP-147.55

PLANETOCENTRIC CONIC

C3 10.414 VHL 3.227 DLA -27.21 RAL 162.53 RAD 6567.4 VEL 11.481 PTH 2.00 VHP 4.490 DPA 15.73 RAP 158.66 ECC 1.1714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 42 39 974.43 17.56 329.41 19.18 112.57 9 58 53 374.4 20.47 321.94
 90.00 12 1 18 5809.90 26.53 277.29 22.03 100.29 13 38 8 5209.9 27.68 268.82
 100.00 10 27 25 829.81 15.09 317.63 18.01 116.11 10 41 14 229.8 18.48 310.47
 100.00 13 59 14 5429.75 29.21 249.77 22.48 96.63 15 29 44 4829.7 29.83 241.02
 110.00 10 38 52 793.85 10.75 312.40 15.51 122.64 10 52 6 193.8 14.98 305.85
 110.00 16 4 16 5038.48 34.18 220.39 22.80 89.71 17 28 15 4438.5 33.76 211.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7874 TRA .1859 TC3-5.8297 BAU .8122 SGT 4936.1 SGR 271.0 SG3 590.8 ST 3177.3 SR 228.6 SS 1825.4
 RDE .1282 RRA .0343 RC3 -.2017 FAU .08530 RRT -.1548 RRF -.1770 RTF .9708 CRT -.9908 CRS .9751 CST -.9956
 FDE-2.6270 FRA 1.0090 FC3-7.0909 BSP 15401 SGB 4943.5 R23 .0266 R13 -.9709 LSA 3668.3 MSA 152.2 SSA 13.5
 BDE 1.7919 BRA .1890 BC3 5.8332 FSP -1898 SG1 4936.3 SG2 267.7 THA 179.51 EL1 3185.4 EL2 30.8 ALF 175.92

LAUNCH DATE JUN 12 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 485.748

RL 151.91 LAL -.00 LOL 260.37 VL 26.622 GAL 1.22 AZL 93.62 HCA 224.91 SMA 127.79 ECC .18991 INC 3.6220 V1 29.328
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.829 GAP 6.04 AZP 87.43 TAL 174.80 TAP 39.72 RCA 103.52 APO 152.06 V2 35.258
 RC 126.964 GL -31.07 GP 2.69 ZAL 83.34 ZAP 149.40 ETS 5.18 ZAE 132.90 ETE 177.35 ZAC 108.28 ETC 16.57 CLP-149.50

PLANETOCENTRIC CONIC

C3 10.613 VHL 3.258 DLA -27.55 RAL 164.92 RAD 6567.4 VEL 11.489 PTH 2.00 VHP 4.656 DPA 15.01 RAP 159.81 ECC 1.1747
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 3 42 940.21 18.45 327.28 22.19 111.87 10 19 22 340.2 21.25 319.74
 90.00 11 59 17 5851.76 25.99 280.24 24.64 101.67 13 36 49 5251.8 27.33 271.83
 100.00 10 43 46 810.71 15.66 316.49 20.90 115.79 10 57 17 210.7 19.00 309.29
 100.00 14 1 54 5456.50 28.99 251.73 25.21 97.63 15 32 50 4856.5 29.74 243.00
 110.00 10 52 15 784.04 11.11 311.87 18.29 122.54 11 5 19 184.0 15.33 305.30
 110.00 16 9 54 5055.93 34.18 221.75 25.65 90.51 17 34 10 4455.9 33.87 212.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8549 TRA .2926 TC3-5.8677 BAU .8331 SGT 5059.2 SGR 286.6 SG3 553.7 ST 3268.9 SR 235.5 SS 1773.7
 RDE .1332 RRA .0402 RC3 -.2222 FAU .07876 RRT -.1134 RRF -.1337 RTF .9705 CRT -.9866 CRS .9685 CST -.9957
 FDE-2.4794 FRA 1.0733 FC3-6.4252 BSP 15806 SGB 5067.3 R23 .0235 R13 -.9705 LSA 3723.6 MSA 149.4 SSA 14.4
 BDE 1.8596 BRA .2953 BC3 5.8719 FSP -1783 SG1 5059.3 SG2 284.8 THA 179.63 EL1 3277.2 EL2 38.4 ALF 175.93

LAUNCH DATE JUN 12 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 491.771

RL 151.91 LAL -.00 LOL 260.37 VL 26.591 GAL 1.49 AZL 93.60 MCA 228.16 SMA 127.59 ECC .19235 INC 3.5966 V1 29.328
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.808 GAP 6.41 AZP 87.60 TAL 173.72 TAP 41.89 RCA 103.05 APO 152.13 V2 35.259
 RC 129.165 GL -30.40 GP 2.45 ZAL 81.20 ZAP 151.25 ETS 5.02 ZAE 132.09 ETE 177.76 ZAC 106.99 ETC 16.23 CLP-151.34

PLANETOCENTRIC CONIC

C3 10.862 VHL 3.296 DLA -27.89 RAL 167.37 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 4.827 DPA 14.27 RAP 161.07 ECC 1.1788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 27 56 897.60 19.50 324.61 25.41 110.94 10 42 54 297.6 22.18 316.95
 90.00 11 54 38 615.78 25.22 305.95 27.31 103.32 12 4 54 15.8 26.80 297.64
 100.00 11 0 53 791.05 16.24 315.32 23.94 115.45 11 14 5 191.0 19.53 308.07
 100.00 14 4 22 5485.61 28.71 253.85 28.07 98.72 15 35 48 4885.6 29.61 245.16
 110.00 11 6 1 774.92 11.45 311.37 21.21 122.43 11 18 56 174.9 15.65 304.78
 110.00 16 15 43 5074.50 34.16 223.20 28.64 91.37 17 40 18 4474.5 33.97 213.96

DIFFERENTIAL CORRECTIONS

TDE-1.9239 TRA .4065 TC3-5.8772 BAU .8541
 RDE .1397 RRA .0460 RC3 -.2359 FAU .07293
 FDE-2.3467 FRA 1.1288 FC3-5.8125 BSP 16208
 BOE 1.9290 BRA .4091 BC3 5.8820 FSP -1678

MID-COURSE EXECUTION ACCURACY

SGT 5180.2 SGR 302.2 SG3 520.2
 RRT -.0878 RRF -.1066 RTF .9703
 SGB 5189.0 R23 .0212 R13 -.9703
 SG1 5180.2 SG2 301.1 THA 179.71

ORBIT DETERMINATION ACCURACY

ST 3355.3 SR 244.4 SS 1724.4
 CRT -.9819 CRS .9618 CST -.9959
 LSA 3777.6 MSA 146.8 SSA 15.3
 EL1 3363.9 EL2 46.2 ALF 175.91

LAUNCH DATE JUN 12 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 497.771

RL 151.91 LAL -.00 LOL 260.37 VL 26.559 GAL 1.78 AZL 93.57 MCA 231.41 SMA 127.38 ECC .19496 INC 3.5737 V1 29.328
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.786 GAP 6.78 AZP 87.77 TAL 172.62 TAP 44.03 RCA 102.55 APO 152.22 V2 35.259
 RC 131.355 GL -29.68 GP 2.25 ZAL 79.00 ZAP 153.00 ETS 4.88 ZAE 131.36 ETE 178.10 ZAC 105.60 ETC 15.90 CLP-153.08

PLANETOCENTRIC CONIC

C3 11.166 VHL 3.342 DLA -28.21 RAL 169.90 RAD 6567.4 VEL 11.513 PTH 2.01 VHP 5.002 DPA 13.53 RAP 162.44 ECC 1.1838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 59 48 832.26 21.04 320.43 28.94 109.40 11 13 40 232.3 23.49 312.62
 90.00 11 42 54 692.47 23.91 311.19 29.92 105.64 11 54 26 92.5 25.83 303.04
 100.00 11 18 39 771.22 16.81 314.13 27.12 115.08 11 31 31 171.2 20.06 306.84
 100.00 14 6 43 5516.78 28.36 256.10 31.05 99.85 15 38 40 4916.8 29.43 247.46
 110.00 11 20 2 766.92 11.74 310.94 24.25 122.34 11 32 48 166.9 15.92 304.33
 110.00 16 21 50 5093.85 34.12 224.71 31.76 92.26 17 46 44 4493.9 34.05 215.46

DIFFERENTIAL CORRECTIONS

TDE-1.9932 TRA .5294 TC3-5.8520 BAU .8743
 RDE .1476 RRA .0517 RC3 -.2438 FAU .06757
 FDE-2.2248 FRA 1.1791 FC3-5.2391 BSP 16616
 BOE 1.9987 BRA .5320 BC3 5.8570 FSP -1586

MID-COURSE EXECUTION ACCURACY

SGT 5295.0 SGR 317.4 SG3 489.3
 RRT -.0739 RRF -.0915 RTF .9702
 SGB 5304.5 R23 .0196 R13 -.9702
 SG1 5295.0 SG2 316.5 THA 179.75

ORBIT DETERMINATION ACCURACY

ST 3433.6 SR 254.9 SS 1675.9
 CRT -.9769 CRS .9551 CST -.9961
 LSA 3826.4 MSA 144.6 SSA 16.1
 EL1 3442.6 EL2 54.4 ALF 175.85

LAUNCH DATE JUN 12 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 503.747

RL 151.91 LAL -.00 LOL 260.37 VL 26.527 GAL 2.08 AZL 93.55 MCA 234.66 SMA 127.18 ECC .19776 INC 3.5528 V1 29.328
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.763 GAP 7.15 AZP 87.94 TAL 171.49 TAP 46.15 RCA 102.03 APO 152.33 V2 35.259
 RC 133.537 GL -28.93 GP 2.08 ZAL 76.77 ZAP 154.65 ETS 4.76 ZAE 130.71 ETE 178.38 ZAC 104.10 ETC 15.59 CLP-154.73

PLANETOCENTRIC CONIC

C3 11.531 VHL 3.396 DLA -28.52 RAL 172.47 RAD 6567.4 VEL 11.529 PTH 2.01 VHP 5.183 DPA 12.77 RAP 163.89 ECC 1.1898
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.49 11 2 8 864.58 22.56 323.35 32.58 107.92 11 16 32 264.6 24.80 315.38
 93.51 12 1 7 673.46 22.57 309.36 32.58 107.90 12 12 21 73.5 24.81 301.39
 100.00 11 36 55 751.65 17.38 312.95 30.43 114.71 11 49 26 151.6 20.56 305.60
 100.00 14 9 1 5549.67 27.96 258.46 34.12 101.03 15 41 31 4949.7 29.20 249.88
 110.00 11 34 7 760.42 11.98 310.58 27.40 122.26 11 46 48 160.4 16.15 303.96
 110.00 16 28 18 5113.67 34.05 226.25 35.01 93.18 17 53 31 4513.7 34.12 217.01

DIFFERENTIAL CORRECTIONS

TDE-2.0615 TRA .6617 TC3-5.7883 BAU .8931
 RDE .1568 RRA .0570 RC3 -.2467 FAU .06253
 FDE-2.1109 FRA 1.2250 FC3-4.6949 BSP 16987
 BOE 2.0675 BRA .6641 BC3 5.7936 FSP -1498

MID-COURSE EXECUTION ACCURACY

SGT 5400.6 SGR 331.8 SG3 460.3
 RRT -.0686 RRF -.0855 RTF .9701
 SGB 5410.8 R23 .0187 R13 -.9701
 SG1 5400.7 SG2 331.0 THA 179.76

ORBIT DETERMINATION ACCURACY

ST 3501.2 SR 266.7 SS 1626.5
 CRT -.9717 CRS .9486 CST -.9962
 LSA 3867.1 MSA 143.2 SSA 16.8
 EL1 3510.8 EL2 62.8 ALF 175.77

LAUNCH DATE JUN 12 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 509.700

RL 151.91 LAL -.00 LOL 260.37 VL 26.495 GAL 2.40 AZL 93.53 MCA 237.91 SMA 126.97 ECC .20075 INC 3.5335 V1 29.328
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.739 GAP 7.53 AZP 88.12 TAL 170.35 TAP 48.25 RCA 101.48 APO 152.45 V2 35.257
 RC 135.709 GL -28.15 GP 1.93 ZAL 74.50 ZAP 156.23 ETS 4.65 ZAE 130.11 ETE 178.62 ZAC 102.52 ETC 15.29 CLP-156.30

PLANETOCENTRIC CONIC

C3 11.962 VHL 3.459 DLA -28.80 RAL 175.09 RAD 6567.5 VEL 11.548 PTH 2.02 VHP 5.369 DPA 11.99 RAP 165.42 ECC 1.1969
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.54 10 56 36 923.94 22.61 327.72 35.82 108.32 11 12 0 323.9 24.90 319.76
 95.46 12 27 34 629.48 22.62 306.15 35.82 108.31 12 38 3 29.5 24.91 298.19
 100.00 11 55 29 732.77 17.91 311.80 33.86 114.34 12 7 42 132.8 21.04 304.41
 100.00 14 11 21 5583.91 27.49 260.90 37.29 102.23 15 44 25 4983.9 28.90 252.38
 110.00 11 48 10 755.81 12.14 310.33 30.65 122.20 12 0 46 155.8 16.31 303.70
 110.00 16 35 10 5133.64 33.97 227.81 38.37 94.09 18 0 44 4533.6 34.16 218.57

DIFFERENTIAL CORRECTIONS

TDE-2.1289 TRA .8051 TC3-5.6890 BAU .9106
 RDE .1673 RRA .0618 RC3 -.2451 FAU .05783
 FDE-2.0047 FRA 1.2697 FC3-4.1853 BSP 17327
 BOE 2.1355 BRA .8074 BC3 5.6942 FSP -1415

MID-COURSE EXECUTION ACCURACY

SGT 5499.1 SGR 345.3 SG3 433.5
 RRT -.0699 RRF -.0862 RTF .9699
 SGB 5509.9 R23 .0182 R13 -.9699
 SG1 5499.1 SG2 344.5 THA 179.75

ORBIT DETERMINATION ACCURACY

ST 3558.2 SR 279.5 SS 1576.8
 CRT -.9665 CRS .9421 CST -.9964
 LSA 3899.3 MSA 142.7 SSA 17.3
 EL1 3568.4 EL2 71.5 ALF 175.66

LAUNCH DATE JUN 12 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 515.626

RL 151.91 LAL -.00 LOL 260.37 VL 26.462 GAL 2.74 AZL 93.52 HCA 241.15 SMA 126.75 ECC .20395 INC 3.5156 V1 29.328
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.714 GAP 7.91 AZP 88.30 TAL 169.18 TAP 50.33 RCA 100.90 APO 152.61 V2 35.255
 RC 137.871 GL -27.33 GP 1.80 ZAL 72.21 ZAP 157.73 ETS 4.56 ZAE 129.58 ETE 178.82 ZAC 100.87 ETC 15.01 CLP-157.80

PLANETOCENTRIC CONIC

C3 12.466 VHL 3.531 DLA -29.04 RAL 177.75 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 5.561 DPA 11.20 RAP 167.01 ECC 1.2052
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.27 10 56 49 966.09 22.61 330.82 39.15 108.73 11 12 55 366.1 24.96 322.88
 96.73 12 48 31 604.84 22.62 304.33 39.15 108.72 12 58 36 4.8 24.97 296.39
 100.00 12 14 12 715.12 18.40 310.72 37.39 113.98 12 26 7 115.1 21.49 303.28
 100.00 14 13 50 5619.07 26.96 263.37 40.53 103.43 15 47 29 5019.1 28.54 254.93
 110.00 12 2 1 753.45 12.23 310.20 33.98 122.17 12 14 34 153.5 16.39 303.57
 110.00 16 42 30 5153.51 33.86 229.35 41.83 95.00 18 8 24 4553.5 34.18 220.12

DIFFERENTIAL CORRECTIONS

TDE-2.1921 TRA .9612 TC3-5.5470 BAU .9254
 RDE .1790 RRA .0662 RC3 -.2397 FAU .05327
 FDE-1.9015 FRA 1.3136 FC3-3.6993 BSP 17582
 BDE 2.1994 BRA .9634 BC3 5.5522 FSP -1332

MID-COURSE EXECUTION ACCURACY

SGT 5583.9 SGR 357.9 SG3 407.9
 RRT -.0757 RRF -.0916 RTF .9695
 SGB 5595.4 R23 .0180 R13 -.9695
 SG1 5584.0 SG2 356.9 THA 179.72

ORBIT DETERMINATION ACCURACY

ST 3599.2 SR 292.9 SS 1524.1
 CRT -.9611 CRS .9354 CST -.9965
 LSA 3916.8 MSA 143.4 SSA 17.7
 EL1 3610.2 EL2 80.7 ALF 175.53

LAUNCH DATE JUN 12 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 521.525

RL 151.91 LAL -.00 LOL 260.37 VL 26.428 GAL 3.10 AZL 93.50 HCA 244.40 SMA 126.54 ECC .20738 INC 3.4987 V1 29.328
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.688 GAP 8.30 AZP 88.49 TAL 168.00 TAP 52.40 RCA 100.30 APO 152.78 V2 35.253
 RC 140.023 GL -26.47 GP 1.68 ZAL 69.91 ZAP 159.17 ETS 4.48 ZAE 129.09 ETE 179.00 ZAC 99.14 ETC 14.75 CLP-159.24

PLANETOCENTRIC CONIC

C3 13.053 VHL 3.613 DLA -29.25 RAL 180.42 RAD 6567.5 VEL 11.595 PTH 2.03 VHP 5.759 DPA 10.39 RAP 168.67 ECC 1.2148
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.34 11 0 5 999.76 22.54 333.28 42.57 109.15 11 16 45 399.8 24.95 325.36
 97.66 13 6 35 5878.93 22.56 281.19 42.57 109.13 14 44 34 5278.9 24.96 273.27
 100.00 12 32 45 699.43 18.83 309.75 41.01 113.65 12 44 24 99.4 21.87 302.27
 100.00 14 16 37 5654.49 26.37 265.84 43.84 104.61 15 50 51 5054.5 28.12 257.48
 110.00 12 15 31 753.70 12.22 310.21 37.38 122.18 12 28 4 153.7 16.38 303.58
 110.00 16 50 20 5172.98 33.73 230.86 45.38 95.88 18 16 33 4573.0 34.18 221.64

DIFFERENTIAL CORRECTIONS

TDE-2.2581 TRA 1.1244 TC3-5.3878 BAU .9411
 RDE .1919 RRA .0699 RC3 -.2309 FAU .04924
 FDE-1.8099 FRA 1.3510 FC3-3.2654 BSP 17905
 BDE 2.2662 BRA 1.1266 BC3 5.3928 FSP -1263

MID-COURSE EXECUTION ACCURACY

SGT 5670.7 SGR 369.6 SG3 384.8
 RRT -.0862 RRF -.1020 RTF .9694
 SGB 5682.8 R23 .0181 R13 -.9694
 SG1 5670.8 SG2 368.3 THA 179.68

ORBIT DETERMINATION ACCURACY

ST 3635.0 SR 306.8 SS 1475.0
 CRT -.9559 CRS .9294 CST -.9966
 LSA 3932.1 MSA 144.6 SSA 17.9
 EL1 3646.8 EL2 89.8 ALF 175.38

LAUNCH DATE JUN 12 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 527.394

RL 151.91 LAL -.00 LOL 260.37 VL 26.395 GAL 3.47 AZL 93.48 HCA 247.65 SMA 126.33 ECC .21105 INC 3.4827 V1 29.328
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.662 GAP 8.69 AZP 88.67 TAL 166.80 TAP 54.45 RCA 99.67 APO 152.99 V2 35.249
 RC 142.165 GL -25.59 GP 1.58 ZAL 67.61 ZAP 160.55 ETS 4.43 ZAE 128.65 ETE 179.14 ZAC 97.36 ETC 14.50 CLP-160.61

PLANETOCENTRIC CONIC

C3 13.732 VHL 3.706 DLA -29.42 RAL 183.11 RAD 6567.5 VEL 11.624 PTH 2.04 VHP 5.965 DPA 9.56 RAP 170.37 ECC 1.2260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.66 11 5 28 1027.84 22.42 335.31 46.06 109.57 11 22 36 427.8 24.88 327.42
 98.34 13 22 36 5872.87 22.43 280.69 46.07 109.55 15 0 29 5272.9 24.89 272.80
 100.00 12 50 49 686.66 19.18 308.96 44.70 113.38 13 2 16 86.7 22.18 301.45
 100.00 14 19 56 5689.28 25.75 268.24 47.22 105.73 15 54 46 5089.3 27.66 259.96
 110.00 12 28 32 756.84 12.11 310.39 40.83 122.21 12 41 9 156.8 16.27 303.76
 110.00 16 58 42 5191.86 33.59 232.31 49.01 96.73 18 25 14 4591.9 34.16 223.11

DIFFERENTIAL CORRECTIONS

TDE-2.3212 TRA 1.2995 TC3-5.1991 BAU .9553
 RDE .2060 RRA .0730 RC3 -.2194 FAU .04544
 FDE-1.7221 FRA 1.3873 FC3-2.8645 BSP 18184
 BDE 2.3304 BRA 1.3015 BC3 5.2038 FSP -1197

MID-COURSE EXECUTION ACCURACY

SGT 5748.9 SGR 380.3 SG3 363.1
 RRT -.0996 RRF -.1151 RTF .9693
 SGB 5761.4 R23 .0182 R13 -.9693
 SG1 5749.0 SG2 378.5 THA 179.62

ORBIT DETERMINATION ACCURACY

ST 3657.0 SR 320.9 SS 1424.4
 CRT -.9507 CRS .9234 CST -.9968
 LSA 3934.9 MSA 146.9 SSA 18.0
 EL1 3669.7 EL2 99.2 ALF 175.23

LAUNCH DATE JUN 12 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 533.232

RL 151.91 LAL -.00 LOL 260.37 VL 26.361 GAL 3.87 AZL 93.47 HCA 250.89 SMA 126.11 ECC .21497 INC 3.4675 V1 29.328
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.634 GAP 9.10 AZP 88.86 TAL 165.59 TAP 56.48 RCA 99.00 APO 153.22 V2 35.245
 RC 144.295 GL -24.68 GP 1.49 ZAL 65.32 ZAP 161.88 ETS 4.39 ZAE 128.26 ETE 179.26 ZAC 95.52 ETC 14.27 CLP-161.94

PLANETOCENTRIC CONIC

C3 14.513 VHL 3.810 DLA -29.55 RAL 185.78 RAD 6567.6 VEL 11.658 PTH 2.05 VHP 6.178 DPA 8.71 RAP 172.12 ECC 1.2388
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.19 11 12 28 1051.79 22.23 337.01 49.62 109.98 11 30 0 451.8 24.75 329.15
 98.81 13 36 57 5873.29 22.24 280.65 49.62 109.97 15 14 50 5273.3 24.76 272.79
 100.00 13 7 54 678.25 19.41 308.44 48.42 113.19 13 19 12 78.2 22.38 300.91
 100.00 14 24 13 5722.07 25.13 270.48 50.67 106.75 15 59 35 5122.1 27.18 262.28
 110.00 12 40 58 763.09 11.88 310.73 44.32 122.29 12 53 42 163.1 16.06 304.11
 110.00 17 7 37 5209.99 33.44 233.70 52.72 97.54 18 34 27 4610.0 34.12 224.53

DIFFERENTIAL CORRECTIONS

TDE-2.3792 TRA 1.4901 TC3-4.9755 BAU .9662
 RDE .2211 RRA .0752 RC3 -.2060 FAU .04168
 FDE-1.6360 FRA 1.4255 FC3-2.4861 BSP 18364
 BDE 2.3895 BRA 1.4920 BC3 4.9797 FSP -1128

MID-COURSE EXECUTION ACCURACY

SGT 5814.7 SGR 390.1 SG3 342.5
 RRT -.1148 RRF -.1299 RTF .9689
 SGB 5827.8 R23 .0183 R13 -.9689
 SG1 5814.9 SG2 387.5 THA 179.56

ORBIT DETERMINATION ACCURACY

ST 3662.6 SR 334.9 SS 1371.6
 CRT -.9453 CRS .9171 CST -.9968
 LSA 3922.4 MSA 150.5 SSA 17.9
 EL1 3676.2 EL2 108.9 ALF 175.06

LAUNCH DATE JUN 12 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 539.036

RL 151.91 LAL -.00 LOL 260.37 VL 26.327 GAL 4.28 AZL 93.45 HCA 254.14 SMA 125.90 ECC .21918 INC 3.4528 V1 29.328
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.605 GAP 9.52 AZP 89.06 TAL 164.36 TAP 58.50 RCA 98.30 APO 153.49 V2 35.240
 RC 146.414 GL -23.75 GP 1.41 ZAL 63.05 ZAP 163.16 ETS 4.38 ZAE 127.89 ETE 179.36 ZAC 93.64 ETC 14.06 CLP-163.22

PLANETOCENTRIC CONIC

C3 15.409 VHL 3.925 DLA -29.63 RAL 188.44 RAD 6567.6 VEL 11.696 PTH 2.06 VHP 6.399 DPA 7.86 RAP 173.91 ECC 1.2536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.90 11 20 49 1072.41 21.98 338.44 53.22 110.39 11 38 41 472.4 24.55 330.61
 99.10 13 49 49 5879.46 21.99 281.01 53.23 110.38 15 27 48 5279.5 24.56 273.18
 100.00 13 23 15 676.39 19.46 308.32 52.15 113.15 13 34 31 76.4 22.42 300.79
 100.00 14 30 4 5750.72 24.55 272.41 54.19 107.61 16 5 55 5150.7 26.73 264.29
 110.00 12 52 43 772.64 11.53 311.25 47.82 122.40 13 5 36 172.6 15.73 304.65
 110.00 17 17 5 5227.23 33.28 235.02 56.48 98.31 18 44 12 4627.2 34.07 225.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4398 TRA 1.6880 TC3-4.7450 BAU .9783 SGT 5881.6 SGR 398.9 SG3 323.8 ST 3663.0 SR 348.8 SS 1322.8
 RDE .2375 RRA .0765 RC3 -.1909 FAU .03838 RRT -.1330 RRF -.1478 RTF .9688 CRT -.9401 CRS .9114 CST -.9969
 FDE-1.5597 FRA 1.4579 FC3-2.1561 BSP 18626 SGB 5895.1 R23 .0186 R13 -.9688 LSA 3907.0 MSA 154.5 SSA 17.8
 BDE 2.4513 BRA 1.6897 BC3 4.7489 FSP -1072 SG1 5881.8 SG2 395.3 THA 179.48 EL1 3677.6 EL2 118.4 ALF 174.88

LAUNCH DATE JUN 12 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 544.803

RL 151.91 LAL -.00 LOL 260.37 VL 26.292 GAL 4.72 AZL 93.44 HCA 257.38 SMA 125.68 ECC .22369 INC 3.4386 V1 29.328
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.576 GAP 9.95 AZP 89.25 TAL 163.13 TAP 60.52 RCA 97.57 APO 153.80 V2 35.234
 RC 148.521 GL -22.81 GP 1.34 ZAL 60.81 ZAP 164.40 ETS 4.40 ZAE 127.55 ETE 179.44 ZAC 91.71 ETC 13.87 CLP-164.45

PLANETOCENTRIC CONIC

C3 16.435 VHL 4.054 DLA -29.66 RAL 191.07 RAD 6567.7 VEL 11.740 PTH 2.07 VHP 6.630 DPA 6.98 RAP 175.73 ECC 1.2705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.78 11 30 19 1090.16 21.65 339.62 56.86 110.79 11 48 29 490.2 24.28 331.83
 99.22 14 1 16 602.91 21.66 303.82 56.87 110.77 14 11 19 2.9 24.29 296.03
 100.00 13 36 1 683.62 19.26 308.77 55.83 113.31 13 47 25 83.6 22.25 301.25
 100.00 14 38 15 5772.72 24.09 273.89 57.80 108.25 16 14 27 5172.7 26.36 265.82
 110.00 13 3 42 785.57 11.06 311.95 51.33 122.55 13 16 47 185.6 15.27 305.39
 110.00 17 27 3 5243.54 33.11 236.27 60.29 99.03 18 54 27 4643.5 34.00 227.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4983 TRA 1.8991 TC3-4.4964 BAU .9887 SGT 5941.3 SGR 406.7 SG3 306.2 ST 3652.1 SR 362.1 SS 1274.4
 RDE .2548 RRA .0768 RC3 -.1748 FAU .03524 RRT -.1527 RRF -.1671 RTF .9687 CRT -.9349 CRS .9056 CST -.9970
 FDE-1.4873 FRA 1.4902 FC3-1.8563 BSP 18860 SGB 5955.2 R23 .0187 R13 -.9687 LSA 3881.6 MSA 159.2 SSA 17.5
 BDE 2.5112 BRA 1.9006 BC3 4.4998 FSP -1019 SG1 5941.6 SG2 401.9 THA 179.40 EL1 3667.8 EL2 127.9 ALF 174.70

LAUNCH DATE JUN 12 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 550.529

RL 151.91 LAL -.00 LOL 260.37 VL 26.258 GAL 5.18 AZL 93.42 HCA 260.63 SMA 125.47 ECC .22853 INC 3.4248 V1 29.328
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.546 GAP 10.39 AZP 89.44 TAL 161.90 TAP 62.52 RCA 96.79 APO 154.14 V2 35.228
 RC 150.615 GL -21.86 GP 1.28 ZAL 58.61 ZAP 165.60 ETS 4.45 ZAE 127.25 ETE 179.51 ZAC 89.75 ETC 13.69 CLP-165.65

PLANETOCENTRIC CONIC

C3 17.606 VHL 4.196 DLA -29.65 RAL 193.65 RAD 6567.7 VEL 11.789 PTH 2.08 VHP 6.871 DPA 6.09 RAP 177.58 ECC 1.2898
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.81 11 40 54 1105.17 21.26 340.57 60.53 111.18 11 59 19 505.2 23.95 332.83
 99.19 14 11 18 619.63 21.27 304.90 60.53 111.16 14 21 38 19.6 23.96 297.15
 100.00 13 45 40 701.60 18.77 309.89 59.44 113.70 13 57 22 101.6 21.82 302.41
 100.00 14 49 13 5786.48 23.79 274.80 61.52 108.65 16 25 39 5186.5 26.12 266.77
 110.00 13 13 52 801.91 10.46 312.84 54.83 122.73 13 27 14 201.9 14.70 306.30
 110.00 17 37 30 5258.93 32.94 237.44 64.15 99.70 19 5 9 4658.9 33.93 228.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.5552 TRA 2.1231 TC3-4.2361 BAU .9978 SGT 5995.0 SGR 413.6 SG3 289.8 ST 3631.4 SR 374.8 SS 1227.0
 RDE .2732 RRA .0761 RC3 -.1582 FAU .03230 RRT -.1739 RRF -.1877 RTF .9687 CRT -.9297 CRS .8999 CST -.9971
 FDE-1.4194 FRA 1.5214 FC3-1.5884 BSP 19085 SGB 6009.3 R23 .0188 R13 -.9687 LSA 3847.8 MSA 164.5 SSA 17.1
 BDE 2.5698 BRA 2.1245 BC3 4.2390 FSP -970 SG1 5995.4 SG2 407.3 THA 179.31 EL1 3648.1 EL2 137.4 ALF 174.51

LAUNCH DATE JUN 12 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 556.211

RL 151.91 LAL -.00 LOL 260.37 VL 26.224 GAL 5.67 AZL 93.41 HCA 263.87 SMA 125.25 ECC .23373 INC 3.4112 V1 29.328
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.516 GAP 10.85 AZP 89.64 TAL 160.66 TAP 64.52 RCA 95.98 APO 154.53 V2 35.221
 RC 152.696 GL -20.90 GP 1.22 ZAL 56.45 ZAP 166.77 ETS 4.54 ZAE 126.96 ETE 179.57 ZAC 87.76 ETC 13.54 CLP-166.82

PLANETOCENTRIC CONIC

C3 18.943 VHL 4.352 DLA -29.60 RAL 196.18 RAD 6567.8 VEL 11.846 PTH 2.10 VHP 7.123 DPA 5.20 RAP 179.46 ECC 1.3118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.00 11 52 28 1117.57 20.80 341.30 64.21 111.55 12 11 5 517.6 23.54 333.60
 99.00 14 19 56 641.47 20.81 306.33 64.21 111.54 14 30 37 41.5 23.55 298.63
 100.00 13 52 23 729.56 18.00 311.60 62.95 114.28 14 4 33 129.6 21.13 304.20
 100.00 15 2 41 5792.76 23.66 275.22 65.34 108.83 16 39 14 5192.8 26.01 267.21
 110.00 13 23 12 821.59 9.73 313.90 58.32 122.93 13 36 54 221.6 14.00 307.40
 110.00 17 48 22 5273.49 32.77 238.54 68.03 100.33 19 16 15 4673.5 33.84 229.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.6101 TRA 2.3614 TC3-3.9657 BAU 1.0050 SGT 6041.9 SGR 419.5 SG3 274.4 ST 3601.0 SR 386.5 SS 1180.8
 RDE .2925 RRA .0741 RC3 -.1415 FAU .02950 RRT -.1960 RRF -.2092 RTF .9686 CRT -.9243 CRS .8941 CST -.9972
 FDE-1.3552 FRA 1.5526 FC3-1.3482 BSP 19277 SGB 6056.5 R23 .0188 R13 -.9686 LSA 3805.4 MSA 170.4 SSA 16.7
 BDE 2.6264 BRA 2.3626 BC3 3.9683 FSP -922 SG1 6042.5 SG2 411.4 THA 179.22 EL1 3618.7 EL2 146.8 ALF 174.32

LAUNCH DATE JUN 12 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 561.843

RL 151.91 LAL -.00 LOL 260.37 VL 26.189 GAL 6.19 AZL 93.40 HCA 267.11 SMA 125.04 ECC .23933 INC 3.3979 V1 29.328
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.484 GAP 11.33 AZP 89.83 TAL 159.41 TAP 66.52 RCA 95.11 APO 154.97 V2 35.214
 RC 154.762 GL -19.94 GP 1.17 ZAL 54.34 ZAP 167.91 ETS 4.69 ZAE 126.69 ETE 179.61 ZAC 85.74 ETC 13.41 CLP-167.97

PLANETOCENTRIC CONIC

C3 20.468 VHL 4.524 DLA -29.50 RAL 198.65 RAD 6567.8 VEL 11.910 PTH 2.12 VHP 7.388 DPA 4.29 RAP 181.36 ECC 1.3368
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.35 12 5 1 1127.28 20.27 341.79 67.89 111.91 12 23 48 527.3 23.06 334.14
 98.65 14 27 4 668.51 20.28 308.11 67.90 111.90 14 38 13 68.5 23.08 300.45
 100.00 13 56 55 765.05 16.99 313.76 66.39 114.97 14 9 40 165.0 20.22 306.45
 100.00 15 17 52 5794.01 23.63 275.30 69.24 108.86 16 54 26 5194.0 25.99 267.29
 110.00 13 31 42 844.51 8.88 315.13 61.77 123.15 13 45 47 244.5 13.18 308.67
 110.00 17 59 34 5287.32 32.59 239.58 71.94 100.92 19 27 41 4687.3 33.76 230.54

DIFFERENTIAL CORRECTIONS

TDE-2.6611 TRA 2.6171 TC3-3.6851 BAU 1.0089
 RDE .3127 RRA .0708 RC3 -.1252 FAU .02677
 FDE-1.2934 FRA 1.5855 FC3-1.1321 BSP 19384
 BDE 2.6794 BRA 2.6181 BC3 3.6872 FSP -873

MID-COURSE EXECUTION ACCURACY

SGT 6081.0 SGR 424.5 SG3 260.0
 RRT -.2187 RRF -.2309 RTF .9685
 SGB 6095.8 R23 .0185 R13 -.9685
 SG1 6081.7 SG2 414.2 THA 179.12

ORBIT DETERMINATION ACCURACY

ST 3559.9 SR 397.2 SS 1135.3
 CRT -.9186 CRS .8878 CST -.9973
 LSA 3753.4 MSA 176.8 SSA 16.3
 EL1 3578.6 EL2 156.2 ALF 174.14

LAUNCH DATE JUN 12 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 567.421

RL 151.91 LAL -.00 LOL 260.37 VL 26.155 GAL 6.74 AZL 93.38 HCA 270.35 SMA 124.83 ECC .24535 INC 3.3845 V1 29.328
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.453 GAP 11.83 AZP 90.02 TAL 158.17 TAP 68.52 RCA 94.20 APO 155.46 V2 35.205
 RC 156.813 GL -18.99 GP 1.12 ZAL 52.29 ZAP 169.03 ETS 4.90 ZAE 126.43 ETE 179.64 ZAC 83.69 ETC 13.30 CLP-169.08

PLANETOCENTRIC CONIC

C3 22.206 VHL 4.712 DLA -29.37 RAL 201.05 RAD 6567.9 VEL 11.983 PTH 2.14 VHP 7.668 DPA 3.37 RAP 183.28 ECC 1.3655
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.87 12 18 40 1133.84 19.68 342.02 71.57 112.25 12 37 33 533.8 22.53 334.43
 98.13 14 32 34 701.19 19.69 310.27 71.57 112.24 14 44 15 101.2 22.54 302.67
 100.00 13 59 58 805.66 15.81 316.19 69.76 115.70 14 13 24 205.7 19.14 308.98
 100.00 15 33 57 5792.64 23.66 275.21 73.17 108.82 17 10 29 5192.6 26.01 267.20
 110.00 13 39 23 870.49 7.91 316.51 65.20 123.36 13 53 54 270.5 12.25 310.10
 110.00 18 11 1 5300.58 32.42 240.57 75.86 101.49 19 39 22 4700.6 33.66 231.56

DIFFERENTIAL CORRECTIONS

TDE-2.7143 TRA 2.8847 TC3-3.4096 BAU 1.0128
 RDE .3337 RRA .0661 RC3 -.1093 FAU .02429
 FDE-1.2378 FRA 1.6163 FC3 -.9470 BSP 19551
 BDE 2.7347 BRA 2.8855 BC3 3.4113 FSP -832

MID-COURSE EXECUTION ACCURACY

SGT 6116.8 SGR 428.6 SG3 246.6
 RRT -.2428 RRF -.2539 RTF .9686
 SGB 6131.8 R23 .0182 R13 -.9686
 SG1 6117.7 SG2 415.7 THA 179.02

ORBIT DETERMINATION ACCURACY

ST 3515.5 SR 406.7 SS 1093.3
 CRT -.9130 CRS .8818 CST -.9974
 LSA 3699.4 MSA 183.0 SSA 15.9
 EL1 3535.0 EL2 165.0 ALF 173.96

LAUNCH DATE JUN 12 1967

FLIGHT TIME 202.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 572.937

RL 151.91 LAL -.00 LOL 260.37 VL 26.120 GAL 7.32 AZL 93.37 HCA 273.58 SMA 124.62 ECC .25185 INC 3.3712 V1 29.328
 RP 107.67 LAP 3.36 LOP 173.96 VP 37.420 GAP 12.35 AZP 90.21 TAL 156.93 TAP 70.51 RCA 93.23 APO 156.00 V2 35.197
 RC 158.850 GL -18.05 GP 1.08 ZAL 50.31 ZAP 170.12 ETS 5.19 ZAE 126.19 ETE 179.67 ZAC 81.63 ETC 13.21 CLP-170.18

PLANETOCENTRIC CONIC

C3 24.190 VHL 4.918 DLA -29.20 RAL 203.37 RAD 6568.0 VEL 12.065 PTH 2.16 VHP 7.963 DPA 2.45 RAP 185.21 ECC 1.3981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.58 12 33 31 1136.74 19.03 341.95 75.23 112.57 12 52 27 536.7 21.92 334.41
 97.42 14 36 14 740.00 19.04 312.85 75.24 112.56 14 48 34 140.0 21.94 305.31
 100.00 14 2 3 849.70 14.49 318.80 73.07 116.43 14 16 13 249.7 17.93 311.69
 100.00 15 50 23 5790.33 23.71 275.06 77.13 108.76 17 26 53 5190.3 26.05 267.04
 110.00 13 46 17 899.35 6.83 318.05 68.58 123.58 14 1 16 299.3 11.19 311.68
 110.00 18 22 38 5313.44 32.24 241.53 79.79 102.03 19 51 12 4713.4 33.56 232.55

DIFFERENTIAL CORRECTIONS

TDE-2.7672 TRA 3.1684 TC3-3.1357 BAU 1.0145
 RDE .3555 RRA .0599 RC3 -.0944 FAU .02194
 FDE-1.1863 FRA 1.6476 FC3 -.7851 BSP 19712
 BDE 2.7900 BRA 3.1690 BC3 3.1371 FSP -793

MID-COURSE EXECUTION ACCURACY

SGT 6146.9 SGR 431.9 SG3 234.1
 RRT -.2676 RRF -.2775 RTF .9688
 SGB 6162.0 R23 .0177 R13 -.9688
 SG1 6148.0 SG2 416.0 THA 178.92

ORBIT DETERMINATION ACCURACY

ST 3465.5 SR 414.8 SS 1053.6
 CRT -.9073 CRS .8758 CST -.9975
 LSA 3640.8 MSA 189.2 SSA 15.4
 EL1 3485.9 EL2 173.4 ALF 173.79

LAUNCH DATE JUN 12 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 578.384

RL 151.91 LAL -.00 LOL 260.37 VL 26.086 GAL 7.94 AZL 93.36 HCA 276.82 SMA 124.41 ECC .25887 INC 3.3579 V1 29.328
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.388 GAP 12.90 AZP 90.40 TAL 155.70 TAP 72.52 RCA 92.20 APO 156.61 V2 35.187
 RC 160.871 GL -17.11 GP 1.04 ZAL 48.39 ZAP 171.20 ETS 5.60 ZAE 125.95 ETE 179.68 ZAC 79.55 ETC 13.14 CLP-171.27

PLANETOCENTRIC CONIC

C3 26.454 VHL 5.143 DLA -28.99 RAL 205.61 RAD 6568.1 VEL 12.159 PTH 2.18 VHP 8.275 DPA 1.52 RAP 187.15 ECC 1.4354
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.52 12 50 0 1134.50 18.32 341.48 78.88 112.86 13 8 54 534.5 21.26 333.99
 96.48 14 37 36 786.39 18.34 315.96 78.89 112.85 14 50 43 186.4 21.28 308.47
 100.00 14 3 29 896.09 13.07 321.51 76.34 117.13 14 18 25 296.1 16.60 314.50
 100.00 16 6 48 5788.07 23.76 274.91 81.09 108.69 17 43 16 5188.1 26.09 266.88
 110.00 13 52 26 930.85 5.64 319.71 71.91 123.77 14 7 57 330.8 10.04 313.38
 110.00 18 34 20 5326.07 32.06 242.47 83.71 102.56 20 3 7 4726.1 33.45 233.52

DIFFERENTIAL CORRECTIONS

TDE-2.8198 TRA 3.4699 TC3-2.8651 BAU 1.0137
 RDE .3779 RRA .0522 RC3 -.0805 FAU .01970
 FDE-1.1385 FRA 1.6797 FC3 -.6446 BSP 19847
 BDE 2.8450 BRA 3.4703 BC3 2.8662 FSP -756

MID-COURSE EXECUTION ACCURACY

SGT 6171.0 SGR 434.2 SG3 222.4
 RRT -.2929 RRF -.3014 RTF .9691
 SGB 6186.2 R23 .0171 R13 -.9691
 SG1 6172.3 SG2 415.1 THA 178.81

ORBIT DETERMINATION ACCURACY

ST 3410.6 SR 421.5 SS 1016.3
 CRT -.9014 CRS .8697 CST -.9975
 LSA 3578.4 MSA 195.3 SSA 15.0
 EL1 3431.8 EL2 181.4 ALF 173.63

LAUNCH DATE JUN 12 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 583.753

RL 151.91 LAL -.00 LOL 260.37 VL 26.052 GAL 8.60 AZL 93.34 HCA 280.05 SMA 124.20 ECC .26647 INC 3.3443 V1 29.328
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.355 GAP 13.48 AZP 90.58 TAL 154.48 TAP 74.53 RCA 91.11 APO 157.30 V2 35.178
 RC 162.878 GL -16.19 GP 1.00 ZAL 46.54 ZAP 172.27 ETS 6.17 ZAE 125.72 ETE 179.69 ZAC 77.47 ETC 13.09 CLP-172.34

PLANETOCENTRIC CONIC

C3 29.043 VHL 5.389 DLA -28.75 RAL 207.76 RAD 6568.2 VEL 12.264 PTH 2.21 VHP 8.608 DPA .60 RAP 189.11 ECC 1.4780
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.81 13 9 1 1124.07 17.57 340.37 82.50 113.13 13 27 45 524.1 20.55 332.93
 95.19 14 35 45 843.32 17.58 319.81 82.51 113.12 14 49 48 243.3 20.56 312.37
 100.00 14 4 26 944.19 11.56 324.28 79.55 117.76 14 20 10 344.2 15.18 317.37
 100.00 16 23 1 5786.47 23.79 274.80 85.04 108.65 17 59 27 5186.5 26.12 266.77
 110.00 13 57 53 964.77 4.35 321.49 75.21 123.94 14 13 58 364.8 8.78 315.20
 110.00 18 46 3 5338.66 31.87 243.41 87.63 103.08 20 15 1 4738.7 33.34 234.49

DIFFERENTIAL CORRECTIONS

TDE-2.8696 TRA 3.7935 TC3-2.5961 BAU 1.0084
 RDE .4009 RRA .0426 RC3 -.0679 FAU .01748
 FDE-1.0926 FRA 1.7149 FC3 -.5209 BSP 19877
 BDE 2.8975 BRA 3.7937 BC3 2.5970 FSP -717

MID-COURSE EXECUTION ACCURACY

SGT 6188.7 SGR 435.6 SG3 211.5
 RRT -.3182 RRF -.3250 RTF .9694
 SGB 6204.0 R23 .0161 R13 -.9694
 SG1 6190.3 SG2 412.8 THA 178.71

ORBIT DETERMINATION ACCURACY

ST 3349.6 SR 426.5 SS 980.7
 CRT -.8951 CRS .8630 CST -.9976
 LSA 3510.4 MSA 201.3 SSA 14.5
 EL1 3371.4 EL2 188.9 ALF 173.48

LAUNCH DATE JUN 12 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 589.032

RL 151.91 LAL -.00 LOL 260.37 VL 26.018 GAL 9.30 AZL 93.33 HCA 283.28 SMA 124.00 ECC .27471 INC 3.3304 V1 29.328
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.321 GAP 14.10 AZP 90.77 TAL 153.27 TAP 76.56 RCA 89.93 APO 158.06 V2 35.167
 RC 164.869 GL -15.29 GP .97 ZAL 44.77 ZAP 173.33 ETS 6.97 ZAE 125.49 ETE 179.70 ZAC 75.37 ETC 13.08 CLP-173.40

PLANETOCENTRIC CONIC

C3 32.006 VHL 5.657 DLA -28.48 RAL 209.82 RAD 6568.3 VEL 12.385 PTH 2.24 VHP 8.963 DPA -.33 RAP 191.07 ECC 1.5267
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.79 13 33 35 1095.59 16.76 337.92 86.09 113.37 13 51 50 495.6 19.78 330.53
 93.21 14 27 36 920.56 16.77 325.12 86.09 113.36 14 42 57 320.6 19.79 317.73
 100.00 14 5 0 993.59 9.98 327.10 82.71 118.32 14 21 33 393.6 13.69 320.27
 100.00 16 38 52 5785.83 23.81 274.76 88.97 108.63 18 15 18 5185.8 26.13 266.73
 110.00 14 2 41 1000.87 2.98 323.38 78.45 124.07 14 19 22 400.9 7.43 317.13
 110.00 18 57 40 5351.32 31.67 244.34 91.53 103.60 20 26 52 4751.3 33.21 235.45

DIFFERENTIAL CORRECTIONS

TDE-2.9244 TRA 4.1335 TC3-2.3405 BAU 1.0018
 RDE .4245 RRA .0314 RC3 -.0566 FAU .01545
 FDE-1.0527 FRA 1.7495 FC3 -.4178 BSP 19993
 BDE 2.9550 BRA 4.1336 BC3 2.3411 FSP -685

MID-COURSE EXECUTION ACCURACY

SGT 6202.3 SGR 436.2 SG3 201.2
 RRT -.3444 RRF -.3497 RTF .9700
 SGB 6217.6 R23 .0151 R13 -.9700
 SG1 6204.1 SG2 409.4 THA 178.61

ORBIT DETERMINATION ACCURACY

ST 3289.3 SR 430.1 SS 949.3
 CRT -.8890 CRS .8570 CST -.9977
 LSA 3444.2 MSA 206.5 SSA 14.1
 EL1 3311.5 EL2 195.6 ALF 173.35

LAUNCH DATE JUN 12 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 594.207

RL 151.91 LAL -.00 LOL 260.37 VL 25.984 GAL 10.05 AZL 93.32 HCA 286.51 SMA 123.79 ECC .28367 INC 3.3162 V1 29.328
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.288 GAP 14.75 AZP 90.94 TAL 152.09 TAP 78.60 RCA 88.68 APO 158.91 V2 35.156
 RC 166.846 GL -14.40 GP .94 ZAL 43.07 ZAP 174.38 ETS 8.14 ZAE 125.26 ETE 179.69 ZAC 73.28 ETC 13.08 CLP-174.46

PLANETOCENTRIC CONIC

C3 35.407 VHL 5.950 DLA -28.19 RAL 211.78 RAD 6568.4 VEL 12.521 PTH 2.27 VHP 9.343 DPA -1.25 RAP 193.04 ECC 1.5827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 44 57 1109.68 13.85 337.60 88.67 114.95 14 3 27 509.7 17.10 330.43
 90.00 14 31 53 957.41 18.01 328.35 90.56 112.23 14 47 51 357.4 20.87 320.85
 100.00 14 5 15 1044.02 8.33 329.94 85.83 118.81 14 22 39 444.0 12.12 323.19
 100.00 16 54 17 5786.34 23.80 274.79 92.87 108.64 18 30 44 5186.3 26.12 266.76
 110.00 14 6 52 1038.94 1.52 325.37 81.65 124.15 14 24 11 438.9 5.99 319.14
 110.00 19 9 10 5364.19 31.46 245.28 95.41 104.12 20 38 34 4764.2 33.08 236.43

DIFFERENTIAL CORRECTIONS

TDE-2.9809 TRA 4.4950 TC3-2.0946 BAU .9917
 RDE .4486 RRA .0182 RC3 -.0465 FAU .01350
 FDE-1.0163 FRA 1.7859 FC3 -.3301 BSP 20084
 BDE 3.0144 BRA 4.4951 BC3 2.0951 FSP -653

MID-COURSE EXECUTION ACCURACY

SGT 6210.3 SGR 435.9 SG3 191.6
 RRT -.3709 RRF -.3745 RTF .9707
 SGB 6225.6 R23 .0140 R13 -.9707
 SG1 6212.4 SG2 404.7 THA 178.50

ORBIT DETERMINATION ACCURACY

ST 3227.1 SR 432.0 SS 920.6
 CRT -.8829 CRS .8509 CST -.9978
 LSA 3376.9 MSA 211.1 SSA 13.6
 EL1 3249.7 EL2 201.4 ALF 173.23

LAUNCH DATE JUN 12 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 599.263

RL 151.91 LAL -.00 LOL 260.37 VL 25.951 GAL 10.85 AZL 93.30 HCA 289.74 SMA 123.59 ECC .29342 INC 3.3015 V1 29.328
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.254 GAP 15.45 AZP 91.12 TAL 150.93 TAP 80.67 RCA 87.33 APO 159.86 V2 35.145
 RC 168.808 GL -13.54 GP .92 ZAL 41.45 ZAP 175.42 ETS 9.93 ZAE 125.02 ETE 179.69 ZAC 71.18 ETC 13.12 CLP-175.51

PLANETOCENTRIC CONIC

C3 39.320 VHL 6.271 DLA -27.87 RAL 213.65 RAD 6568.5 VEL 12.676 PTH 2.30 VHP 9.752 DPA -2.17 RAP 195.00 ECC 1.6471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 31 55 1202.88 11.11 343.07 91.27 116.22 13 51 58 602.9 14.54 336.07
 90.00 14 59 49 917.18 19.02 325.84 94.88 111.38 15 15 6 317.2 21.76 318.24
 100.00 14 5 12 1095.28 6.64 332.80 88.89 119.21 14 23 27 495.3 10.49 326.12
 100.00 17 9 13 5788.06 23.76 274.90 96.73 108.69 18 45 41 5188.1 26.09 266.88
 110.00 14 10 28 1078.76 .00 327.45 84.79 124.18 14 28 26 478.8 4.49 321.24
 110.00 19 20 27 5377.34 31.24 246.24 99.25 104.65 20 50 4 4777.3 32.93 237.43

DIFFERENTIAL CORRECTIONS

TDE-3.0401 TRA 4.8810 TC3-1.8590 BAU .9774
 RDE .4730 RRA .0030 RC3 -.0378 FAU .01162
 FDE -.9837 FRA 1.8248 FC3 -.2559 BSP 20158
 BDE 3.0767 BRA 4.8810 BC3 1.8594 FSP -624

MID-COURSE EXECUTION ACCURACY

SGT 6213.4 SGR 434.8 SG3 182.6
 RRT -.3976 RRF -.3996 RTF .9716
 SGB 6228.6 R23 .0128 R13 -.9716
 SG1 6215.8 SG2 398.8 THA 178.40

ORBIT DETERMINATION ACCURACY

ST 3164.2 SR 432.2 SS 895.0
 CRT -.8768 CRS .8450 CST -.9979
 LSA 3309.6 MSA 215.1 SSA 13.2
 EL1 3186.9 EL2 206.4 ALF 173.14

LAUNCH DATE JUN 12 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 604.180

RL 151.91 LAL -0.00 LOL 260.37 VL 25.918 GAL 11.72 AZL 93.29 HCA 292.97 SMA 123.40 ECC .30407 INC 3.2863 V1 29.328
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.220 GAP 16.20 AZP 91.28 TAL 149.80 TAP 82.77 RCA 85.88 APO 160.92 V2 35.134
 RC 170.755 GL -12.69 GP .89 ZAL 39.91 ZAP 176.46 ETS 12.89 ZAE 124.77 ETE 179.67 ZAC 69.10 ETC 13.18 CLP-176.58

PLANETOCENTRIC CONIC

C3 43.835 VHL 6.621 DLA -27.54 RAL 215.41 RAD 6568.7 VEL 12.853 PTH 2.34 VHP 10.194 DPA -3.08 RAP 196.97 ECC 1.7214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 24 34 1277.48 8.83 347.37 94.03 117.01 13 45 52 677.5 12.38 340.49
 90.00 15 21 15 897.43 19.51 324.60 98.92 110.94 15 36 12 297.4 22.18 316.94
 100.00 14 4 53 1147.21 4.91 335.68 91.91 119.52 14 24 0 547.2 8.80 329.06
 100.00 17 23 37 5790.97 23.70 275.10 100.55 108.78 19 0 8 5191.0 26.04 267.08
 110.00 14 13 30 1120.11 -1.58 329.61 87.88 124.15 14 32 11 520.1 2.91 323.40
 110.00 19 31 29 5390.83 31.00 247.22 103.06 105.19 21 1 20 4790.8 32.77 238.45

DIFFERENTIAL CORRECTIONS

TDE-3.0990 TRA 5.2966 TC3-1.6317 BAU .9564
 RDE .4977 RRA -.0144 RC3 -.0306 FAU .00973
 FDE -.9530 FRA 1.8681 FC3 -.1922 BSP 20129
 BDE 3.1387 BRA 5.2966 BC3 1.6320 FSP -593

MID-COURSE EXECUTION ACCURACY

SGT 6211.4 SGR 432.8 SG3 174.3
 RRT -.4241 RRF -.4243 RTF .9726
 SGB 6226.4 R23 .0113 R13 -.9726
 SG1 6214.1 SG2 391.8 THA 178.30

ORBIT DETERMINATION ACCURACY

ST 3098.6 SR 430.7 SS 871.6
 CRT -.8703 CRS .8387 CST -.9980
 LSA 3240.2 MSA 218.4 SSA 12.8
 EL1 3121.3 EL2 210.6 ALF 173.07

LAUNCH DATE JUN 12 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 608.933

RL 151.91 LAL -0.00 LOL 260.37 VL 25.886 GAL 12.66 AZL 93.27 HCA 296.19 SMA 123.21 ECC .31574 INC 3.2702 V1 29.328
 RP 107.90 LAP 2.93 LOP 196.60 VP 37.186 GAP 17.01 AZP 91.44 TAL 148.71 TAP 84.91 RCA 84.30 APO 162.11 V2 35.122
 RC 172.686 GL -11.87 GP .87 ZAL 38.46 ZAP 177.49 ETS 18.49 ZAE 124.50 ETE 179.66 ZAC 67.03 ETC 13.27 CLP-177.65

PLANETOCENTRIC CONIC

C3 49.064 VHL 7.005 DLA -27.18 RAL 217.07 RAD 6568.8 VEL 13.055 PTH 2.38 VHP 10.672 DPA -3.98 RAP 198.93 ECC 1.8075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 19 7 1345.61 6.70 351.24 96.83 117.58 13 41 33 745.6 10.34 344.45
 90.00 15 39 58 885.82 19.79 323.86 102.83 110.68 15 54 44 285.8 22.43 316.18
 100.00 14 4 17 1199.69 3.14 338.58 94.87 119.74 14 24 17 599.7 7.08 332.00
 100.00 17 37 29 5795.01 23.61 275.37 104.31 108.89 19 14 4 5195.0 25.97 267.36
 110.00 14 16 2 1162.82 -3.21 331.84 90.93 124.05 14 35 24 562.8 1.28 325.63
 110.00 19 42 14 5404.65 30.75 248.22 106.81 105.73 21 12 18 4804.6 32.60 239.49

DIFFERENTIAL CORRECTIONS

TDE-3.1669 TRA 5.7363 TC3-1.4205 BAU .9319
 RDE .5228 RRA -.0339 RC3 -.0244 FAU .00797
 FDE -.9278 FRA 1.9129 FC3 -.1406 BSP 20189
 BDE 3.2097 BRA 5.7364 BC3 1.4207 FSP -566

MID-COURSE EXECUTION ACCURACY

SGT 6204.1 SGR 430.1 SG3 166.4
 RRT -.4511 RRF -.4498 RTF .9739
 SGB 6219.0 R23 .0098 R13 -.9739
 SG1 6207.2 SG2 383.7 THA 178.20

ORBIT DETERMINATION ACCURACY

ST 3036.1 SR 427.7 SS 852.3
 CRT -.8643 CRS .8333 CST -.9982
 LSA 3174.7 MSA 220.5 SSA 12.3
 EL1 3058.6 EL2 213.5 ALF 173.02

LAUNCH DATE JUN 12 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 613.491

RL 151.91 LAL -0.00 LOL 260.37 VL 25.854 GAL 13.67 AZL 93.25 HCA 299.41 SMA 123.02 ECC .32855 INC 3.2533 V1 29.328
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.152 GAP 17.89 AZP 91.60 TAL 147.68 TAP 87.09 RCA 82.60 APO 163.43 V2 35.110
 RC 174.603 GL -11.07 GP .85 ZAL 37.10 ZAP 178.47 ETS 31.97 ZAE 124.21 ETE 179.64 ZAC 64.97 ETC 13.39 CLP-178.73

PLANETOCENTRIC CONIC

C3 55.143 VHL 7.426 DLA -26.80 RAL 218.63 RAD 6569.0 VEL 13.285 PTH 2.43 VHP 11.194 DPA -4.86 RAP 200.88 ECC 1.9075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 14 34 1410.39 4.65 354.89 99.60 117.96 13 38 4 810.4 8.35 348.17
 90.00 15 56 57 879.03 19.95 323.43 106.63 110.52 16 11 36 279.0 22.57 315.73
 100.00 14 3 24 1252.61 1.35 341.48 97.78 119.86 14 24 17 652.6 5.31 334.94
 100.00 17 50 48 5800.08 23.50 275.70 108.00 109.03 19 27 28 5200.1 25.88 267.71
 110.00 14 18 2 1206.69 -4.88 334.14 93.91 123.88 14 38 9 606.7 -4.0 327.92
 110.00 19 52 39 5418.77 30.48 249.24 110.49 106.27 21 22 58 4818.8 32.41 240.55

DIFFERENTIAL CORRECTIONS

TDE-3.2409 TRA 6.2082 TC3-1.2217 BAU .9008
 RDE .5481 RRA -.0557 RC3 -.0195 FAU .00623
 FDE -.9064 FRA 1.9619 FC3 -.0979 BSP 20228
 BDE 3.2869 BRA 6.2085 BC3 1.2219 FSP -542

MID-COURSE EXECUTION ACCURACY

SGT 6192.4 SGR 426.6 SG3 159.0
 RRT -.4783 RRF -.4754 RTF .9753
 SGB 6207.1 R23 .0083 R13 -.9753
 SG1 6195.8 SG2 374.4 THA 178.11

ORBIT DETERMINATION ACCURACY

ST 2974.6 SR 423.1 SS 836.4
 CRT -.8586 CRS .8282 CST -.9983
 LSA 3110.9 MSA 221.6 SSA 11.9
 EL1 2996.8 EL2 215.3 ALF 173.00

LAUNCH DATE JUN 12 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 18 1968

HELIOCENTRIC CONIC

DISTANCE 617.817

RL 151.91 LAL -0.00 LOL 260.37 VL 25.822 GAL 14.77 AZL 93.24 HCA 302.63 SMA 122.83 ECC .34266 INC 3.2353 V1 29.328
 RP 107.97 LAP 2.72 LOP 203.04 VP 37.119 GAP 18.84 AZP 91.75 TAL 146.69 TAP 89.33 RCA 80.74 APO 164.92 V2 35.097
 RC 176.504 GL -10.29 GP .83 ZAL 35.83 ZAP 179.15 ETS 77.14 ZAE 123.90 ETE 179.62 ZAC 62.94 ETC 13.54 CLP-179.84

PLANETOCENTRIC CONIC

C3 62.245 VHL 7.890 DLA -26.41 RAL 220.08 RAD 6569.2 VEL 13.550 PTH 2.48 VHP 11.764 DPA -5.73 RAP 202.81 ECC 2.0244
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 10 26 1473.12 2.63 358.40 102.35 118.20 13 34 59 873.1 6.39 351.73
 90.00 16 12 39 875.49 20.04 323.20 110.32 110.44 16 27 14 275.5 22.64 315.50
 100.00 14 2 13 1305.88 -4.46 344.41 100.63 119.89 14 23 59 705.9 3.52 337.88
 100.00 18 3 33 5806.01 23.36 276.09 111.61 109.20 19 40 19 5206.0 25.77 268.12
 110.00 14 19 32 1251.54 -6.58 336.50 96.84 123.62 14 40 23 651.5 -2.11 330.26
 110.00 20 2 43 5433.12 30.20 250.26 114.10 106.82 21 33 16 4833.1 32.21 241.62

DIFFERENTIAL CORRECTIONS

TDE-3.3218 TRA 6.7154 TC3-1.0353 BAU .8616
 RDE .5735 RRA -.0801 RC3 -.0157 FAU .00450
 FDE -.8887 FRA 2.0157 FC3 -.0626 BSP 20264
 BDE 3.3710 BRA 6.7158 BC3 1.0354 FSP -518

MID-COURSE EXECUTION ACCURACY

SGT 6175.5 SGR 422.3 SG3 152.1
 RRT -.5054 RRF -.5012 RTF .9769
 SGB 6189.9 R23 .0067 R13 -.9769
 SG1 6179.2 SG2 364.2 THA 178.01

ORBIT DETERMINATION ACCURACY

ST 2913.8 SR 417.0 SS 823.8
 CRT -.8532 CRS .8236 CST -.9984
 LSA 3048.6 MSA 221.6 SSA 11.5
 EL1 2935.6 EL2 215.9 ALF 173.00

LAUNCH DATE JUN 13 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 22 1967

HELIOCENTRIC CONIC

DISTANCE 156.863

RL 151.93 LAL -1.00 LOL 261.32 VL 22.010 GAL 2.17 AZL 93.54 HCA 62.06 SMA 105.11 ECC .44674 INC 3.5362 V1 29.325
 RP 108.93 LAP -3.12 LOP 323.34 VP 34.265 GAP -26.46 AZP 91.66 TAL 177.30 TAP 239.37 RCA 58.15 APO 152.06 V2 34.790
 RC 44.335 GL -10.39 GP -.64 ZAL 85.00 ZAP 15.14 ETS 178.10 ZAE 169.41 ETE 100.44 ZAC 106.53 ETC 15.12 CLP 15.13

PLANETOCENTRIC CONIC

C3 56.621 VML 7.525 DLA -8.10 RAL 172.55 RAD 6569.0 VEL 13.341 PTH 2.44 VHP 15.764 DPA 10.91 RAP 161.16 ECC 1.9318
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 30 4 2219.50 -19.69 41.79 49.47 110.77 7 7 3 1619.5 -16.69 34.40
 90.00 16 25 57 5370.98 27.83 245.46 55.69 84.55 17 55 28 4771.0 26.78 236.95
 100.00 7 47 29 1969.70 -21.05 22.86 48.91 111.73 8 20 19 1369.7 -17.91 15.47
 100.00 17 51 12 5096.01 29.28 225.07 55.52 83.71 19 16 8 4496.0 28.10 216.47
 110.00 8 46 49 1783.97 -24.68 7.09 47.23 114.44 9 16 33 1184.0 -21.17 359.70
 110.00 19 8 23 4854.51 33.20 206.13 54.92 81.34 20 29 17 4254.5 31.65 197.25

DIFFERENTIAL CORRECTIONS

TOE .4310 TRA -.9332 TC3 .0015 BAU .0493
 RDE -.5090 RRA -.2306 RC3 .0651 FAU .01810
 FDE -.3143 FRA .3815 FC3 -.2767 BSP 2115
 BDE .6670 BRA .9613 BC3 .0651 FSP -105

MID-COURSE EXECUTION ACCURACY

SGT 789.2 SGR 437.4 SG3 48.6
 RRT .0008 RRF -.0004 RTF -.6530
 SGB 902.3 R23 .0004 R13 -.6530
 SG1 789.2 SG2 437.4 THA .04

ORBIT DETERMINATION ACCURACY

ST 392.5 SR 391.3 SS 347.7
 CRT -.7537 CRS -.8814 CST .9729
 LSA 623.4 MSA 197.9 SSA 14.6
 EL1 519.0 EL2 194.5 ALF 135.12

LAUNCH DATE JUN 13 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 163.360

RL 151.93 LAL -1.00 LOL 261.32 VL 22.455 GAL 2.01 AZL 93.52 HCA 65.22 SMA 106.78 ECC .42395 INC 3.5161 V1 29.325
 RP 108.92 LAP -3.19 LOP 326.50 VP 34.557 GAP -25.06 AZP 91.47 TAL 177.27 TAP 242.49 RCA 61.51 APO 152.05 V2 34.793
 RC 43.707 GL -11.20 GP -.67 ZAL 85.09 ZAP 13.48 ETS 177.59 ZAE 169.30 ETE 86.65 ZAC 105.08 ETC 14.94 CLP 13.47

PLANETOCENTRIC CONIC

C3 50.217 VML 7.086 DLA -8.81 RAL 172.16 RAD 6568.8 VEL 13.099 PTH 2.39 VHP 14.987 DPA 10.33 RAP 162.57 ECC 1.8264
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 34 7 2166.72 -18.38 38.47 46.95 111.93 7 10 14 1566.7 -15.24 31.20
 90.00 16 18 44 5364.35 27.79 244.98 53.37 84.31 17 48 8 4764.3 26.71 236.48
 100.00 7 51 10 1918.14 -19.71 19.61 46.36 112.94 8 23 8 1318.1 -16.44 12.35
 100.00 17 44 22 5088.15 29.22 224.50 53.20 83.41 19 9 10 4488.2 28.00 215.90
 110.00 8 49 38 1735.07 -23.27 3.99 44.64 115.78 9 18 33 1135.1 -19.61 356.76
 110.00 19 2 23 4843.99 33.09 205.33 52.57 80.88 20 23 7 4244.0 31.48 196.48

DIFFERENTIAL CORRECTIONS

TOE .4318 TRA -.9120 TC3 .0220 BAU .0516
 RDE -.4818 RRA -.2165 RC3 .0737 FAU .01886
 FDE -.3325 FRA .3867 FC3 -.3252 BSP 2245
 BDE .6470 BRA .9373 BC3 .0769 FSP -118

MID-COURSE EXECUTION ACCURACY

SGT 824.4 SGR 440.5 SG3 53.6
 RRT -.0016 RRF .0020 RTF -.6733
 SGB 934.7 R23 -.0004 R13 .6733
 SG1 824.4 SG2 440.5 THA 179.93

ORBIT DETERMINATION ACCURACY

ST 414.7 SR 393.2 SS 369.6
 CRT -.7611 CRS -.8878 CST .9725
 LSA 650.5 MSA 199.4 SSA 15.0
 EL1 536.4 EL2 197.2 ALF 137.01

LAUNCH DATE JUN 13 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 169.900

RL 151.93 LAL -1.00 LOL 261.32 VL 22.867 GAL 1.82 AZL 93.50 HCA 68.39 SMA 108.41 ECC .40243 INC 3.4971 V1 29.325
 RP 108.90 LAP -3.25 LOP 329.67 VP 34.830 GAP -23.73 AZP 91.29 TAL 177.29 TAP 245.68 RCA 64.78 APO 152.04 V2 34.797
 RC 43.245 GL -12.04 GP -.70 ZAL 85.30 ZAP 11.82 ETS 176.94 ZAE 168.63 ETE 73.38 ZAC 103.64 ETC 14.76 CLP 11.80

PLANETOCENTRIC CONIC

C3 44.635 VML 6.681 DLA -9.51 RAL 171.63 RAD 6568.7 VEL 12.884 PTH 2.35 VHP 14.242 DPA 9.73 RAP 163.96 ECC 1.7346
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 32 2114.68 -17.03 35.25 44.37 112.97 7 12 47 1514.7 -13.77 28.09
 90.00 16 11 6 5357.37 27.74 244.48 50.92 84.06 17 40 23 4757.4 26.63 235.99
 100.00 7 54 13 1867.32 -18.34 16.47 43.77 114.03 8 25 20 1267.3 -14.93 9.33
 100.00 17 37 7 5079.96 29.16 223.90 50.74 83.10 19 1 47 4480.0 27.90 215.32
 110.00 8 51 50 1686.87 -21.81 1.01 42.00 117.00 9 19 57 1086.9 -18.01 353.94
 110.00 18 55 58 4833.17 32.97 204.51 50.10 80.41 20 16 32 4233.2 31.29 195.69

DIFFERENTIAL CORRECTIONS

TOE .4338 TRA -.8894 TC3 .0481 BAU .0572
 RDE -.4557 RRA -.2028 RC3 .0830 FAU .01971
 FDE -.3524 FRA .3907 FC3 -.3824 BSP 2393
 BDE .6292 BRA .9122 BC3 .0959 FSP -133

MID-COURSE EXECUTION ACCURACY

SGT 860.6 SGR 442.8 SG3 59.1
 RRT -.0050 RRF .0051 RTF -.6931
 SGB 967.8 R23 -.0004 R13 .6931
 SG1 860.6 SG2 442.8 THA 179.80

ORBIT DETERMINATION ACCURACY

ST 438.5 SR 394.4 SS 392.9
 CRT -.7698 CRS -.8947 CST .9722
 LSA 679.6 MSA 200.0 SSA 15.3
 EL1 555.2 EL2 198.8 ALF 138.93

LAUNCH DATE JUN 13 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 176.479

RL 151.93 LAL -1.00 LOL 261.32 VL 23.248 GAL 1.62 AZL 93.48 HCA 71.55 SMA 109.99 ECC .38217 INC 3.4788 V1 29.325
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.085 GAP -22.46 AZP 91.10 TAL 177.37 TAP 248.92 RCA 67.96 APO 152.03 V2 34.801
 RC 42.956 GL -12.92 GP -.74 ZAL 85.64 ZAP 10.15 ETS 176.09 ZAE 167.46 ETE 61.77 ZAC 102.21 ETC 14.60 CLP 10.12

PLANETOCENTRIC CONIC

C3 39.772 VML 6.306 DLA -10.18 RAL 170.96 RAD 6568.5 VEL 12.694 PTH 2.31 VHP 13.528 DPA 9.14 RAP 165.35 ECC 1.6545
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 40 17 2063.69 -15.64 32.15 41.74 113.91 7 14 41 1463.7 -12.28 25.08
 90.00 16 3 4 5350.19 27.69 243.96 48.36 83.81 17 32 14 4750.2 26.54 235.48
 100.00 7 56 35 1817.52 -16.93 13.44 41.13 115.01 8 26 53 1217.5 -13.42 6.41
 100.00 17 29 27 5071.58 29.09 223.28 48.17 82.79 18 53 58 4471.6 27.78 214.72
 110.00 8 53 23 1639.68 -20.32 358.16 39.34 118.10 9 20 43 1039.7 -16.41 351.22
 110.00 18 49 8 4822.19 32.84 203.68 47.51 79.93 20 9 31 4222.2 31.10 194.89

DIFFERENTIAL CORRECTIONS

TOE .4362 TRA -.8656 TC3 .0800 BAU .0652
 RDE -.4307 RRA -.1896 RC3 .0929 FAU .02067
 FDE -.3738 FRA .3938 FC3 -.4499 BSP 2540
 BDE .6130 BRA .8862 BC3 .1226 FSP -150

MID-COURSE EXECUTION ACCURACY

SGT 897.6 SGR 444.4 SG3 65.2
 RRT -.0085 RRF .0082 RTF -.7120
 SGB 1001.6 R23 -.0002 R13 .7120
 SG1 897.6 SG2 444.3 THA 179.68

ORBIT DETERMINATION ACCURACY

ST 463.2 SR 394.8 SS 417.3
 CRT -.7791 CRS -.9015 CST .9721
 LSA 710.2 MSA 199.9 SSA 15.7
 EL1 575.0 EL2 199.3 ALF 140.82

LAUNCH DATE JUN 13 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 183.090

RL 151.93 LAL -.00 LOL 261.32 VL 23.600 GAL 1.42 AZL 93.46 HCA 74.72 SMA 111.51 ECC .36314 INC 3.4613 V1 29.325
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.325 GAP -21.25 AZP 90.91 TAL 177.52 TAP 252.23 RCA 71.02 APO 152.01 V2 34.806
 RC 42.841 GL -13.82 GP -.77 ZAL 86.11 ZAP 8.47 ETS 174.92 ZAE 165.90 ETE 52.23 ZAC 100.79 ETC 14.45 CLP 8.44

PLANETOCENTRIC CONIC

C3 35.537 VHL 5.961 DLA -10.82 RAL 170.17 RAD 6568.4 VEL 12.526 PTH 2.27 VHP 12.844 DPA 8.53 RAP 166.71 ECC 1.5848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 42 21 2014.05 -14.25 29.17 39.07 114.73 7 15 55 1414.1 -10.80 22.19
 90.00 15 54 39 5342.92 27.63 243.44 45.70 83.55 17 23 42 4742.9 26.45 234.97
 100.00 7 58 17 1769.08 -15.51 10.54 38.45 115.88 8 27 46 1169.1 -11.90 3.61
 100.00 17 21 24 5063.13 29.01 222.66 45.50 82.47 18 45 47 4463.1 27.67 214.12
 110.00 8 54 16 1593.77 -18.83 355.44 36.65 119.07 9 20 50 993.8 -14.81 348.62
 110.00 18 41 55 4811.20 32.71 202.85 44.82 79.46 20 2 6 4211.2 30.91 194.09

DIFFERENTIAL CORRECTIONS

TDE .4375 TRA -.8429 TC3 .1165 BAU .0740
 RDE -.4069 RRA -.1769 RC3 .1034 FAU .02172
 FDE -.3972 FRA .3959 FC3 -.5291 BSP 2649
 BDE .5975 BRA .8613 BC3 .1558 FSP -168

MID-COURSE EXECUTION ACCURACY

SGT 936.2 SGR 445.1 SG3 72.0
 RRT -.0109 RRF .0120 RTF -.7280
 SGB 1036.6 R23 -.0018 R13 .7280
 SG1 936.2 SG2 445.0 THA 179.62

ORBIT DETERMINATION ACCURACY

ST 487.9 SR 394.5 SS 443.3
 CRT -.7874 CRS -.9085 CST .9715
 LSA 741.7 MSA 199.5 SSA 16.1
 EL1 594.9 EL2 199.4 ALF 142.61

LAUNCH DATE JUN 13 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 189.730

RL 151.93 LAL -.00 LOL 261.32 VL 23.925 GAL 1.20 AZL 93.44 HCA 77.88 SMA 112.98 ECC .34531 INC 3.4442 V1 29.325
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.548 GAP -20.10 AZP 90.72 TAL 177.72 TAP 255.60 RCA 73.97 APO 151.99 V2 34.812
 RC 42.900 GL -14.75 GP -.82 ZAL 86.72 ZAP 6.78 ETS 173.16 ZAE 164.10 ETE 44.63 ZAC 99.38 ETC 14.31 CLP 6.73

PLANETOCENTRIC CONIC

C3 31.851 VHL 5.644 DLA -11.43 RAL 169.24 RAD 6568.3 VEL 12.378 PTH 2.23 VHP 12.188 DPA 7.93 RAP 168.06 ECC 1.5242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 42 1966.11 -12.87 26.33 36.37 115.44 7 16 28 1366.1 -9.34 19.43
 90.00 15 45 54 5335.64 27.58 242.91 42.95 83.29 17 14 50 4735.6 26.36 234.45
 100.00 7 59 16 1722.29 -14.10 7.78 35.75 116.63 8 27 59 1122.3 -10.41 .93
 100.00 17 13 1 5054.69 28.94 222.05 42.75 82.15 18 37 15 4454.7 27.55 213.52
 110.00 8 54 28 1549.46 -17.34 352.86 33.94 119.93 9 20 17 949.5 -13.23 346.16
 110.00 18 34 19 4800.29 32.57 202.03 42.05 78.99 19 54 19 4200.3 30.71 193.30

DIFFERENTIAL CORRECTIONS

TDE .4413 TRA -.8167 TC3 .1624 BAU .0846
 RDE -.3843 RRA -.1648 RC3 .1143 FAU .02291
 FDE -.4230 FRA .3962 FC3 -.6228 BSP 2802
 BDE .5852 BRA .8332 BC3 .1986 FSP -190

MID-COURSE EXECUTION ACCURACY

SGT 974.7 SGR 444.9 SG3 79.5
 RRT -.0156 RRF .0167 RTF -.7452
 SGB 1071.4 R23 -.0020 R13 .7452
 SG1 974.7 SG2 444.9 THA 179.48

ORBIT DETERMINATION ACCURACY

ST 514.9 SR 393.5 SS 471.0
 CRT -.7984 CRS -.9157 CST .9716
 LSA 776.2 MSA 197.7 SSA 16.4
 EL1 617.2 EL2 197.7 ALF 144.41

LAUNCH DATE JUN 13 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 196.394

RL 151.93 LAL -.00 LOL 261.32 VL 24.224 GAL .99 AZL 93.43 HCA 81.05 SMA 114.38 ECC .32866 INC 3.4275 V1 29.325
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.757 GAP -18.99 AZP 90.53 TAL 177.98 TAP 259.03 RCA 76.79 APO 151.97 V2 34.819
 RC 43.133 GL -15.70 GP -.86 ZAL 87.44 ZAP 5.08 ETS 170.21 ZAE 162.15 ETE 38.60 ZAC 97.99 ETC 14.19 CLP 5.01

PLANETOCENTRIC CONIC

C3 28.647 VHL 5.352 DLA -12.01 RAL 168.19 RAD 6568.2 VEL 12.248 PTH 2.20 VHP 11.559 DPA 7.32 RAP 169.38 ECC 1.4715
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 19 1920.16 -11.51 23.64 33.64 116.05 7 16 19 1320.2 -7.91 16.80
 90.00 15 36 52 5328.41 27.52 242.39 40.13 83.04 17 5 40 4728.4 26.27 233.95
 100.00 7 59 32 1677.47 -12.72 5.17 33.02 117.28 8 27 30 1077.5 -8.96 358.40
 100.00 17 4 19 5046.34 28.86 221.44 39.93 81.84 18 28 26 4446.3 27.43 212.93
 110.00 8 53 58 1507.03 -15.89 350.43 31.21 120.67 9 19 5 907.0 -11.70 343.83
 110.00 18 26 23 4789.54 32.42 201.22 39.21 78.53 19 46 13 4189.5 30.51 192.53

DIFFERENTIAL CORRECTIONS

TDE .4456 TRA -.7903 TC3 .2153 BAU .0954
 RDE -.3630 RRA -.1532 RC3 .1254 FAU .02424
 FDE -.4515 FRA .3953 FC3 -.7327 BSP 2941
 BDE .5747 BRA .8050 BC3 .2492 FSP -213

MID-COURSE EXECUTION ACCURACY

SGT 1014.3 SGR 443.9 SG3 87.9
 RRT -.0209 RRF .0221 RTF -.7609
 SGB 1107.2 R23 -.0024 R13 .7610
 SG1 1014.3 SG2 443.8 THA 179.35

ORBIT DETERMINATION ACCURACY

ST 543.1 SR 391.8 SS 500.4
 CRT -.8096 CRS -.9230 CST .9718
 LSA 812.6 MSA 195.4 SSA 16.8
 EL1 640.7 EL2 194.9 ALF 146.16

LAUNCH DATE JUN 13 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 203.078

RL 151.93 LAL -.00 LOL 261.32 VL 24.500 GAL .77 AZL 93.41 HCA 84.22 SMA 115.72 ECC .31313 INC 3.4111 V1 29.325
 RP 108.81 LAP -3.39 LOP 345.53 VP 35.951 GAP -17.93 AZP 90.34 TAL 178.30 TAP 262.52 RCA 79.49 APO 151.96 V2 34.826
 RC 43.534 GL -16.65 GP -.91 ZAL 88.29 ZAP 3.38 ETS 164.21 ZAE 160.15 ETE 33.79 ZAC 96.63 ETC 14.07 CLP 3.26

PLANETOCENTRIC CONIC

C3 25.865 VHL 5.086 DLA -12.55 RAL 167.01 RAD 6568.0 VEL 12.134 PTH 2.17 VHP 10.955 DPA 6.72 RAP 170.67 ECC 1.4257
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 44 11 1876.53 -10.19 21.11 30.89 116.56 7 15 27 1276.5 -6.55 14.33
 90.00 15 27 36 5321.24 27.46 241.87 37.26 82.79 16 56 17 4721.2 26.17 233.44
 100.00 7 59 4 1634.92 -11.38 2.73 30.27 117.83 8 26 19 1034.9 -7.57 356.01
 100.00 16 55 24 5038.09 28.78 220.84 37.06 81.54 18 19 22 4438.1 27.31 212.35
 110.00 8 52 46 1466.77 -14.47 348.17 28.47 121.31 9 17 12 866.8 -10.22 341.65
 110.00 18 18 12 4779.00 32.28 200.44 36.33 78.09 19 37 51 4179.0 30.30 191.78

DIFFERENTIAL CORRECTIONS

TDE .4507 TRA -.7622 TC3 .2779 BAU .1071
 RDE -.3429 RRA -.1421 RC3 .1366 FAU .02575
 FDE -.4829 FRA .3927 FC3 -.8620 BSP 3096
 BDE .5663 BRA .7753 BC3 .3097 FSP -239

MID-COURSE EXECUTION ACCURACY

SGT 1054.3 SGR 442.1 SG3 97.4
 RRT -.0269 RRF .0280 RTF -.7766
 SGB 1143.3 R23 -.0026 R13 .7766
 SG1 1054.4 SG2 441.9 THA 179.21

ORBIT DETERMINATION ACCURACY

ST 572.3 SR 389.4 SS 531.4
 CRT -.8216 CRS -.9301 CST .9722
 LSA 851.1 MSA 192.2 SSA 17.2
 EL1 665.4 EL2 190.9 ALF 147.83

LAUNCH DATE JUN 13 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 209.777

RL 151.93 LAL -.00 LOL 261.32 VL 24.754 GAL .56 AZL 93.39 MCA 87.39 SMA 117.00 ECC .29870 INC 3.3949 V1 29.325
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.132 GAP -16.92 AZP 90.15 TAL 178.68 TAP 266.06 RCA 82.05 APO 151.95 V2 34.834
 RC 44.099 GL -17.62 GP -.97 ZAL 89.24 ZAP 1.76 ETS 146.36 ZAE 158.18 ETE 29.88 ZAC 95.31 ETC 13.97 CLP 1.47

PLANETOCENTRIC CONIC

C3 23.452 VHL 4.843 OLA -13.04 RAL 165.72 RAD 6568.0 VEL 12.035 PTH 2.15 VHP 10.376 DPA 6.12 RAP 171.92 ECC 1.3860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 43 17 1835.52 -8.93 18.75 28.14 116.98 7 13 53 1235.5 -5.25 12.02
 90.00 15 18 11 5314.12 27.39 241.36 34.36 82.54 16 46 45 4714.1 26.08 232.94
 100.00 7 57 51 1594.92 -10.10 .45 27.52 118.29 8 24 26 994.9 -6.24 353.78
 100.00 16 46 18 5029.94 28.69 220.25 34.15 81.24 18 10 8 4429.9 27.18 211.77
 110.00 8 50 51 1428.93 -13.12 346.07 25.74 121.85 9 14 40 828.9 -8.82 339.61
 110.00 18 9 47 4768.70 32.13 199.67 33.41 77.66 19 29 16 4168.7 30.10 191.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4562 TRA -.7337 TC3 .3485 BAU .1187 SGT 1095.1 SGR 439.4 SG3 107.9 ST 602.4 SR 386.5 SS 563.4
 RDE -.3241 RRA -.1317 RC3 .1476 FAU .02745 RRT -.0337 RRF .0338 RTF -.7916 CRT -.8337 CRS -.9369 CST .9728
 FDE -.5169 FRA .3897 FC3-1.0132 BSP 3272 SGB 1179.9 R23 -.0020 R13 .7916 LSA 890.9 MSA 188.6 SSA 17.6
 BOE .5596 BRA .7454 BC3 .3784 FSP -269 SG1 1095.2 SG2 439.1 THA 179.08 EL1 691.1 EL2 186.0 ALF 149.40

LAUNCH DATE JUN 13 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 216.487

RL 151.93 LAL -.00 LOL 261.32 VL 24.987 GAL .35 AZL 93.38 MCA 90.56 SMA 118.21 ECC .28533 INC 3.3787 V1 29.325
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.300 GAP -15.95 AZP 89.97 TAL 179.11 TAP 269.67 RCA 84.48 APO 151.94 V2 34.842
 RC 44.820 GL -18.58 GP -1.03 ZAL 90.30 ZAP 1.09 ETS 70.82 ZAE 156.27 ETE 26.67 ZAC 94.02 ETC 13.89 CLP -3.35

PLANETOCENTRIC CONIC

C3 21.363 VHL 4.622 OLA -13.49 RAL 164.32 RAD 6567.9 VEL 11.948 PTH 2.13 VHP 9.822 DPA 5.52 RAP 173.14 ECC 1.3516
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 41 38 1797.38 -7.75 16.58 25.39 117.32 7 11 36 1197.4 -4.03 9.87
 90.00 15 8 42 5306.99 27.33 240.85 31.44 82.29 16 37 9 4707.0 25.98 232.44
 100.00 7 55 55 1557.74 -8.89 358.35 24.78 118.66 8 21 53 957.7 -5.00 351.72
 100.00 16 37 7 5021.86 28.61 219.66 31.23 80.94 18 0 49 4421.9 27.06 211.20
 110.00 8 48 16 1393.75 -11.85 344.13 23.01 122.30 9 11 30 793.8 -7.50 337.74
 110.00 18 1 15 4758.62 31.98 198.92 30.48 77.24 19 20 34 4158.6 29.90 190.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4557 TRA -.7060 TC3 .4147 BAU .1268 SGT 1129.7 SGR 435.8 SG3 119.4 ST 626.2 SR 382.9 SS 596.3
 RDE -.3066 RRA -.1218 RC3 .1580 FAU .02926 RRT -.0383 RRF .0414 RTF -.7987 CRT -.8426 CRS -.9437 CST .9720
 FDE -.5538 FRA .3828 FC3-1.1859 BSP 3356 SGB 1210.8 R23 -.0055 R13 .7987 LSA 927.0 MSA 186.2 SSA 18.1
 BOE .5492 BRA .7165 BC3 .4438 FSP -301 SG1 1129.8 SG2 435.4 THA 179.01 EL1 711.2 EL2 181.6 ALF 150.64

LAUNCH DATE JUN 13 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 223.204

RL 151.93 LAL -.00 LOL 261.32 VL 25.201 GAL .15 AZL 93.36 MCA 93.73 SMA 119.35 ECC .27297 INC 3.3626 V1 29.325
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.456 GAP -15.02 AZP 89.78 TAL 179.60 TAP 273.32 RCA 86.77 APO 151.93 V2 34.851
 RC 45.690 GL -19.53 GP -1.11 ZAL 91.46 ZAP 2.48 ETS 26.03 ZAE 154.48 ETE 23.99 ZAC 92.77 ETC 13.81 CLP -2.22

PLANETOCENTRIC CONIC

C3 19.557 VHL 4.422 OLA -13.89 RAL 162.84 RAD 6567.8 VEL 11.872 PTH 2.11 VHP 9.290 DPA 4.93 RAP 174.31 ECC 1.3219
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 39 15 1762.37 -6.65 14.59 22.66 117.59 7 8 37 1162.4 -2.90 7.91
 90.00 14 59 16 5299.78 27.26 240.33 28.53 82.04 16 27 36 4699.8 25.88 231.94
 100.00 7 53 15 1523.61 -7.77 356.43 22.05 118.96 8 18 38 923.6 -3.85 349.84
 100.00 16 27 57 5013.78 28.52 219.08 28.31 80.64 17 51 31 4413.8 26.93 210.64
 110.00 8 45 1 1361.43 -10.67 342.38 20.30 122.67 9 7 43 761.4 -6.29 336.02
 110.00 17 52 40 4748.72 31.83 198.19 27.55 76.83 19 11 48 4148.7 29.69 189.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4646 TRA -.6746 TC3 .5023 BAU .1384 SGT 1170.6 SGR 431.3 SG3 132.6 ST 659.9 SR 378.9 SS 632.7
 RDE -.2904 RRA -.1126 RC3 .1675 FAU .03136 RRT -.0502 RRF .0505 RTF -.8139 CRT -.8567 CRS -.9502 CST .9735
 FDE -.5965 FRA .3761 FC3-1.3882 BSP 3522 SGB 1247.5 R23 -.0032 R13 .8139 LSA 972.8 MSA 181.0 SSA 18.5
 BOE .5479 BRA .6839 BC3 .5295 FSP -341 SG1 1170.8 SG2 430.7 THA 178.77 EL1 740.8 EL2 174.1 ALF 152.14

LAUNCH DATE JUN 13 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 229.926

RL 151.93 LAL -.00 LOL 261.32 VL 25.398 GAL -.04 AZL 93.35 MCA 96.90 SMA 120.43 ECC .26158 INC 3.3463 V1 29.325
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.601 GAP -14.12 AZP 89.60 TAL 180.13 TAP 277.03 RCA 88.93 APO 151.93 V2 34.860
 RC 46.700 GL -20.45 GP -1.19 ZAL 92.69 ZAP 4.32 ETS 15.46 ZAE 152.85 ETE 21.71 ZAC 91.58 ETC 13.75 CLP -4.15

PLANETOCENTRIC CONIC

C3 17.997 VHL 4.242 OLA -14.24 RAL 161.28 RAD 6567.7 VEL 11.806 PTH 2.09 VHP 8.780 DPA 4.36 RAP 175.42 ECC 1.2962
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 36 7 1730.67 -5.65 12.80 19.96 117.79 7 4 58 1130.7 -1.88 6.14
 90.00 14 49 58 5292.40 27.19 239.80 25.64 81.78 16 18 10 4692.4 25.78 231.42
 100.00 7 49 53 1492.68 -6.75 354.71 19.36 119.19 8 14 45 892.7 -2.80 348.14
 100.00 16 18 53 5005.62 28.43 218.49 25.42 80.35 17 42 19 4405.6 26.80 210.07
 110.00 8 41 9 1332.11 -9.59 340.79 17.63 122.97 9 3 21 732.1 -5.18 334.48
 110.00 17 44 7 4738.96 31.68 197.47 24.65 76.43 19 3 6 4139.0 29.49 188.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4723 TRA -.6003 TC3 .6365 BAU .1588 SGT 1182.5 SGR 426.3 SG3 148.9 ST 685.7 SR 374.6 SS 673.8
 RDE -.2755 RRA -.1047 RC3 .1749 FAU .03466 RRT -.0696 RRF .0693 RTF -.8332 CRT -.8808 CRS -.9622 CST .9751
 FDE -.6493 FRA .3217 FC3-1.6673 BSP 3938 SGB 1257.0 R23 -.0027 R13 .8333 LSA 1017.6 MSA 169.2 SSA 19.0
 BOE .5468 BRA .6094 BC3 .6601 FSP -407 SG1 1182.9 SG2 425.1 THA 178.35 EL1 765.0 EL2 159.0 ALF 153.04

LAUNCH DATE JUN 13 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 236.648

RL 151.93 LAL -1.00 LOL 261.32 VL 25.577 GAL -.23 AZL 93.33 HCA 100.08 SMA 121.44 ECC .25113 INC 3.3297 V1 29.325
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.736 GAP -13.26 AZP 89.42 TAL 180.70 TAP 280.77 RCA 90.94 APO 151.93 V2 34.870
 RC 47.841 GL -21.35 GP -1.28 ZAL 93.98 ZAP 6.27 ETS 11.17 ZAE 151.39 ETE 19.75 ZAC 90.45 ETC 13.70 CLP -6.14

PLANETOCENTRIC CONIC

C3 16.653 VHL 4.081 DLA -14.53 RAL 159.67 RAD 6567.7 VEL 11.749 PTH 2.07 VHP 8.292 DPA 3.79 RAP 176.47 ECC 1.2741
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 32 19 1702.40 -4.75 11.21 17.30 117.95 7 0 42 1102.4 -1.97 4.57
 90.00 14 40 55 5284.77 27.12 239.26 22.79 81.52 16 8 59 4684.8 25.66 230.89
 100.00 7 45 52 1465.08 -5.83 353.17 16.70 119.37 8 10 18 865.1 -1.87 346.62
 100.00 16 10 2 4997.32 28.33 217.89 22.57 80.05 17 33 20 4397.3 26.67 209.49
 110.00 8 36 42 1305.88 -8.61 339.39 15.00 123.21 8 58 28 705.9 -4.18 333.10
 110.00 17 35 42 4729.28 31.52 196.76 21.79 76.03 18 54 32 4129.3 29.28 188.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4788 TRA -.6092 TC3 .7059 BAU .1623 SGT 1250.8 SGR 419.9 SG3 165.2 ST 722.9 SR 369.8 SS 714.2
 RDE -.2617 RRA -.0960 RC3 .1818 FAU .03674 RRT -.0733 RRF .0747 RTF -.8391 CRT -.8823 CRS -.9631 CST .9751
 FDE -.7010 FRA .3486 FC3-1.9098 BSP 3882 SGB 1319.5 R23 -.0054 R13 .8392 LSA 1067.5 MSA 171.6 SSA 19.2
 BDE .5457 BRA .6167 BC3 .7289 FSP -439 SGI 1251.3 SG2 418.7 THA 178.41 EL1 796.4 EL2 158.0 ALF 154.64

LAUNCH DATE JUN 13 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 243.369

RL 151.93 LAL -1.00 LOL 261.32 VL 25.741 GAL -.41 AZL 93.31 HCA 103.26 SMA 122.38 ECC .24156 INC 3.3129 V1 29.325
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.860 GAP -12.43 AZP 89.24 TAL 181.30 TAP 284.55 RCA 92.82 APO 151.94 V2 34.881
 RC 49.103 GL -22.20 GP -1.38 ZAL 95.31 ZAP 8.31 ETS 8.88 ZAE 150.13 ETE 18.05 ZAC 89.39 ETC 13.66 CLP -8.20

PLANETOCENTRIC CONIC

C3 15.497 VHL 3.937 DLA -14.77 RAL 158.02 RAD 6567.6 VEL 11.700 PTH 2.06 VHP 7.826 DPA 3.25 RAP 177.46 ECC 1.2550
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 54 1677.64 -3.96 9.82 14.69 118.06 6 55 52 1077.6 -1.17 3.19
 90.00 14 32 12 5276.80 27.04 238.69 20.01 81.24 16 0 9 4676.8 25.55 230.34
 100.00 7 41 17 1440.87 -5.02 351.83 14.11 119.51 8 5 18 840.9 -1.05 345.29
 100.00 16 1 30 4988.80 28.23 217.28 19.78 79.74 17 24 39 4388.8 26.52 208.89
 110.00 8 31 45 1282.80 -7.75 338.16 12.43 123.40 8 53 8 682.8 -3.30 331.89
 110.00 17 27 32 4719.63 31.36 196.05 18.99 75.64 18 46 11 4119.6 29.07 187.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4807 TRA -.5790 TC3 .8077 BAU .1717 SGT 1285.9 SGR 413.0 SG3 184.3 ST 747.2 SR 364.7 SS 755.0
 RDE -.2490 RRA -.0885 RC3 .1859 FAU .03990 RRT -.0836 RRF .0873 RTF -.8479 CRT -.8920 CRS -.9684 CST .9752
 FDE -.7594 FRA .3332 FC3-2.2287 BSP 3969 SGB 1350.6 R23 -.0084 R13 .8480 LSA 1110.2 MSA 168.5 SSA 19.5
 BDE .5414 BRA .5858 BC3 .8288 FSP -495 SGI 1286.4 SG2 411.3 THA 178.29 EL1 817.7 EL2 150.6 ALF 155.59

LAUNCH DATE JUN 13 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 250.084

RL 151.93 LAL -1.00 LOL 261.32 VL 25.891 GAL -.58 AZL 93.30 HCA 106.44 SMA 123.26 ECC .23282 INC 3.2955 V1 29.325
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.975 GAP -11.63 AZP 89.07 TAL 181.92 TAP 288.36 RCA 94.56 APO 151.95 V2 34.891
 RC 50.476 GL -23.00 GP -1.49 ZAL 96.68 ZAP 10.44 ETS 7.46 ZAE 149.08 ETE 16.54 ZAC 88.42 ETC 13.63 CLP -10.34

PLANETOCENTRIC CONIC

C3 14.503 VHL 3.808 DLA -14.95 RAL 156.36 RAD 6567.6 VEL 11.657 PTH 2.05 VHP 7.380 DPA 2.72 RAP 178.36 ECC 1.2387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 22 56 1656.38 -3.27 8.63 12.17 118.14 6 50 32 1056.4 .51 2.00
 90.00 14 23 56 5268.40 26.95 238.09 17.30 80.96 15 51 45 4668.4 25.42 229.75
 100.00 7 36 11 1420.03 -4.32 350.68 11.59 119.61 7 59 51 820.0 -1.34 344.15
 100.00 15 53 22 4979.98 28.12 216.65 17.07 79.42 17 16 22 4380.0 26.37 208.28
 110.00 8 26 22 1262.84 -7.00 337.10 9.94 123.54 8 47 25 662.8 -2.54 330.85
 110.00 17 19 41 4709.94 31.19 195.34 16.28 75.26 18 38 11 4109.9 28.86 186.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4838 TRA -.5458 TC3 .9084 BAU .1798 SGT 1315.6 SGR 405.3 SG3 205.6 ST 771.5 SR 359.4 SS 798.1
 RDE -.2375 RRA -.0817 RC3 .1875 FAU .04336 RRT -.0996 RRF .1041 RTF -.8559 CRT -.9026 CRS -.9735 CST .9756
 FDE -.8254 FRA .3112 FC3-2.5886 BSP 4099 SGB 1376.6 R23 -.0101 R13 .8560 LSA 1154.8 MSA 164.9 SSA 19.7
 BDE .5389 BRA .5519 BC3 .9275 FSP -560 SGI 1316.3 SG2 403.1 THA 178.06 EL1 839.1 EL2 142.2 ALF 156.48

LAUNCH DATE JUN 13 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 256.792

RL 151.93 LAL -1.00 LOL 261.32 VL 26.027 GAL -.74 AZL 93.28 HCA 109.62 SMA 124.07 ECC .22489 INC 3.2776 V1 29.325
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.081 GAP -10.86 AZP 88.90 TAL 182.57 TAP 292.19 RCA 96.17 APO 151.97 V2 34.903
 RC 51.950 GL -23.75 GP -1.62 ZAL 98.05 ZAP 12.68 ETS 6.51 ZAE 148.27 ETE 15.20 ZAC 87.53 ETC 13.61 CLP -12.58

PLANETOCENTRIC CONIC

C3 13.650 VHL 3.695 DLA -15.08 RAL 154.71 RAD 6567.5 VEL 11.621 PTH 2.04 VHP 6.954 DPA 2.22 RAP 179.17 ECC 1.2246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 30 1638.55 -2.70 7.63 9.74 118.20 6 44 48 1038.5 1.09 1.01
 90.00 14 16 12 5259.55 26.85 237.46 14.69 80.65 15 43 52 4659.6 25.28 229.14
 100.00 7 30 39 1402.50 -3.73 349.71 9.17 119.68 7 54 2 802.5 .25 343.19
 100.00 15 45 44 4970.83 28.01 215.99 14.46 79.10 17 8 35 4370.8 26.22 207.65
 110.00 8 20 38 1245.92 -6.36 336.20 7.53 123.66 8 41 24 645.9 -1.90 329.97
 110.00 17 12 14 4700.18 31.02 194.64 13.66 74.87 18 30 34 4100.2 28.64 186.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4865 TRA -.5141 TC3 1.0117 BAU .1877 SGT 1345.3 SGR 396.9 SG3 230.1 ST 794.4 SR 354.0 SS 843.6
 RDE -.2270 RRA -.0754 RC3 .1861 FAU .04738 RRT -.1176 RRF .1229 RTF -.8640 CRT -.9123 CRS -.9779 CST .9762
 FDE -.9000 FRA .2887 FC3-3.0050 BSP 4207 SGB 1402.6 R23 -.0118 R13 .8642 LSA 1200.7 MSA 161.7 SSA 19.8
 BDE .5369 BRA .5196 BC3 1.0286 FSP -633 SGI 1346.2 SG2 393.9 THA 177.83 EL1 859.3 EL2 134.0 ALF 157.30

LAUNCH DATE JUN 13 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 263.490

RL 151.93 LAL -.00 LOL 261.32 VL 26.150 GAL -.90 AZL 93.26 HCA 112.80 SMA 124.82 ECC .21770 INC 3.2590 V1 29.325
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.178 GAP -10.12 AZP 88.74 TAL 183.22 TAP 296.02 RCA 97.65 APO 151.99 V2 34.914
 RC 53.515 GL -24.43 GP -1.77 ZAL 99.41 ZAP 15.02 ETS 5.84 ZAE 147.71 ETE 13.98 ZAC 86.76 ETC 13.61 CLP -14.92

PLANETOCENTRIC CONIC

C3 12.919 VHL 3.594 DLA -15.15 RAL 153.09 RAD 6567.5 VEL 11.589 PTH 2.03 VHP 6.548 DPA 1.74 RAP 179.87 ECC 1.2126
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 42 1624.01 -2.23 6.82 7.41 118.24 6 38 46 1024.0 1.56 .19
 90.00 14 9 4 5250.22 26.75 236.80 12.20 80.34 15 36 34 4650.2 25.14 228.50
 100.00 7 24 48 1388.14 -3.24 348.92 6.85 119.73 7 47 56 788.1 .74 342.40
 100.00 15 38 39 4961.32 27.88 215.31 11.97 78.76 17 1 20 4361.3 26.05 206.99
 110.00 8 14 40 1231.91 -5.83 335.46 5.24 123.74 8 35 12 631.9 -1.36 329.23
 110.00 17 5 16 4690.31 30.85 193.92 11.16 74.48 18 23 26 4090.3 28.41 185.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4885 TRA -.4812 TC3 1.1146 BAU .1950 SGT 1371.1 SGR 387.9 SG3 258.2 ST 814.7 SR 348.6 SS 892.7
 RDE -.2176 RRA -.0698 RC3 .1811 FAU .05202 RRT -.1394 RRF .1461 RTF -.8714 CRT -.9216 CRS -.9820 CST .9767
 FDE -.9855 FRA .2586 FC3-3.4862 BSP 4323 SGB 1424.9 R23 -.0144 R13 .8717 LSA 1247.6 MSA 159.0 SSA 19.8
 BDE .5347 BRA .4862 BC3 1.1292 FSP -720 SGI 1372.2 SG2 383.8 THA 177.55 EL1 877.2 EL2 125.6 ALF 158.01

LAUNCH DATE JUN 13 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 270.176

RL 151.93 LAL -.00 LOL 261.32 VL 26.262 GAL -1.04 AZL 93.24 HCA 115.99 SMA 125.51 ECC .21121 INC 3.2394 V1 29.325
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.268 GAP -9.41 AZP 88.58 TAL 183.87 TAP 299.86 RCA 99.00 APO 152.02 V2 34.926
 RC 55.163 GL -25.04 GP -1.93 ZAL 100.74 ZAP 17.49 ETS 5.36 ZAE 147.40 ETE 12.87 ZAC 86.10 ETC 13.61 CLP -17.39

PLANETOCENTRIC CONIC

C3 12.292 VHL 3.506 DLA -15.17 RAL 151.52 RAD 6567.5 VEL 11.562 PTH 2.02 VHP 6.161 DPA 1.29 RAP 180.46 ECC 1.2023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 39 1612.56 -1.86 6.18 5.20 118.26 6 32 31 1012.6 1.93 359.56
 90.00 14 2 36 5240.42 26.63 236.10 9.84 80.01 15 29 56 4640.4 24.98 227.82
 100.00 7 18 44 1376.74 -2.86 348.30 4.65 119.77 7 41 41 776.7 1.13 341.77
 100.00 15 32 12 4951.47 27.75 214.61 9.61 78.41 16 54 43 4351.5 25.87 206.31
 110.00 8 8 34 1220.62 -5.41 334.87 3.07 123.80 8 28 55 620.6 -.93 328.65
 110.00 16 58 51 4680.34 30.66 193.20 8.79 74.09 18 16 51 4080.3 28.18 184.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4867 TRA -.4503 TC3 1.2063 BAU .2002 SGT 1389.0 SGR 378.4 SG3 289.6 ST 827.9 SR 343.1 SS 941.1
 RDE -.2090 RRA -.0646 RC3 .1724 FAU .05722 RRT -.1633 RRF .1720 RTF -.8769 CRT -.9294 CRS -.9854 CST .9768
 FDE -1.0782 FRA .2258 FC3-4.0303 BSP 4415 SGB 1439.7 R23 -.0179 R13 .8772 LSA 1289.9 MSA 157.3 SSA 19.7
 BDE .5296 BRA .4549 BC3 1.2185 FSP -819 SGI 1390.5 SG2 373.0 THA 177.25 EL1 888.4 EL2 118.0 ALF 158.54

LAUNCH DATE JUN 13 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 276.850

RL 151.93 LAL -.00 LOL 261.32 VL 26.362 GAL -1.16 AZL 93.22 HCA 119.17 SMA 126.14 ECC .20538 INC 3.2187 V1 29.325
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.350 GAP -8.72 AZP 88.43 TAL 184.51 TAP 303.69 RCA 100.23 APO 152.05 V2 34.938
 RC 56.885 GL -25.57 GP -2.13 ZAL 102.03 ZAP 20.10 ETS 4.99 ZAE 147.36 ETE 11.83 ZAC 85.59 ETC 13.62 CLP -20.00

PLANETOCENTRIC CONIC

C3 11.754 VHL 3.428 DLA -15.15 RAL 150.02 RAD 6567.4 VEL 11.539 PTH 2.01 VHP 5.795 DPA .88 RAP 180.91 ECC 1.1934
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 28 1603.93 -1.59 5.70 3.14 118.28 6 26 11 1003.9 2.21 359.07
 90.00 13 56 49 5230.18 26.51 235.38 7.63 79.66 15 23 59 4630.2 24.81 227.12
 100.00 7 12 34 1368.06 -2.56 347.82 2.59 119.79 7 35 22 768.1 1.42 341.30
 100.00 15 26 24 4941.28 27.61 213.89 7.39 78.06 16 48 45 4341.3 25.68 205.61
 110.00 8 2 26 1211.84 -5.07 334.41 1.03 123.85 8 22 38 611.8 -.59 328.19
 110.00 16 53 1 4670.27 30.47 192.48 6.56 73.70 18 10 51 4070.3 27.94 184.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4818 TRA -.4226 TC3 1.2837 BAU .2033 SGT 1399.4 SGR 368.6 SG3 325.1 ST 835.0 SR 337.7 SS 991.3
 RDE -.2012 RRA -.0600 RC3 .1598 FAU .06307 RRT -.1907 RRF .2026 RTF -.8805 CRT -.9356 CRS -.9882 CST .9767
 FDE -1.1819 FRA .1912 FC3-4.6449 BSP 4440 SGB 1447.2 R23 -.0231 R13 .8809 LSA 1330.0 MSA 156.7 SSA 19.5
 BDE .5221 BRA .4268 BC3 1.2936 FSP -926 SGI 1401.3 SG2 361.3 THA 176.92 EL1 893.8 EL2 111.4 ALF 158.93

LAUNCH DATE JUN 13 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 283.508

RL 151.93 LAL -.00 LOL 261.32 VL 26.453 GAL -1.28 AZL 93.20 HCA 122.36 SMA 126.72 ECC .20017 INC 3.1967 V1 29.325
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.426 GAP -8.06 AZP 88.29 TAL 185.13 TAP 307.50 RCA 101.35 APO 152.08 V2 34.951
 RC 58.673 GL -26.03 GP -2.35 ZAL 103.26 ZAP 22.87 ETS 4.72 ZAE 147.60 ETE 10.85 ZAC 85.23 ETC 13.64 CLP -22.76

PLANETOCENTRIC CONIC

C3 11.292 VHL 3.360 DLA -15.09 RAL 148.61 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 5.447 DPA .50 RAP 181.21 ECC 1.1858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 53 14 1597.88 -1.39 5.36 1.21 118.29 6 19 52 997.9 2.40 358.74
 90.00 13 51 46 5219.54 26.38 234.63 5.57 79.31 15 18 46 4619.5 24.63 226.39
 100.00 7 6 23 1361.86 -2.35 347.48 .68 119.81 7 29 5 761.9 1.63 340.96
 100.00 15 21 19 4930.79 27.46 213.14 5.32 77.69 16 43 29 4330.8 25.48 204.90
 110.00 7 56 22 1205.32 -4.83 334.06 359.14 123.88 8 16 27 605.3 -.35 327.85
 110.00 16 47 49 4660.09 30.28 191.75 4.49 73.31 18 5 30 4060.1 27.69 183.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4752 TRA -.3937 TC3 1.3503 BAU .2050 SGT 1401.2 SGR 358.7 SG3 365.4 ST 837.0 SR 332.6 SS 1044.0
 RDE -.1943 RRA -.0559 RC3 .1425 FAU .06974 RRT -.2247 RRF .2398 RTF -.8837 CRT -.9416 CRS -.9906 CST .9765
 FDE -1.2987 FRA .1475 FC3-5.3469 BSP 4464 SGB 1446.3 R23 -.0289 R13 .8842 LSA 1369.8 MSA 156.2 SSA 19.1
 BDE .5134 BRA .3976 BC3 1.3578 FSP -1052 SGI 1403.6 SG2 348.9 THA 176.49 EL1 894.6 EL2 104.8 ALF 159.19

LAUNCH DATE JUN 13 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 290.150

RL 151.93 LAL -.00 LOL 261.32 VL 26.533 GAL -1.39 AZL 93.17 HCA 125.56 SMA 127.23 ECC .19553 INC 3.1731 V1 29.325
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.495 GAP -7.41 AZP 88.15 TAL 185.73 TAP 311.29 RCA 102.36 APO 152.11 V2 34.964
 RC 60.521 GL -26.41 GP -2.60 ZAL 104.42 ZAP 25.82 ETS 4.52 ZAE 148.13 ETE 9.89 ZAC 85.05 ETC 13.66 CLP -25.70

PLANETOCENTRIC CONIC

C3 10.894 VHL 3.301 DLA -14.98 RAL 147.30 RAD 6567.4 VEL 11.501 PTH 2.00 VHP 5.119 DPA .16 RAP 181.33 ECC 1.1793
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 47 5 1594.12 -1.27 5.15 359.44 118.29 6 13 39 994.1 2.52 358.53
 90.00 13 47 29 5208.52 26.24 233.85 3.67 78.94 15 14 17 4608.5 24.45 225.64
 100.00 7 0 18 1357.85 -2.22 347.26 358.92 119.82 7 22 56 757.9 1.77 340.74
 100.00 15 16 56 4920.02 27.30 212.38 3.42 77.32 16 38 56 4320.0 25.28 204.16
 110.00 7 50 26 1200.82 -4.66 333.83 357.40 123.90 8 10 27 600.8 -1.17 327.61
 110.00 16 43 18 4649.82 30.07 191.02 2.58 72.92 18 0 47 4049.8 27.44 182.82

DIFFERENTIAL CORRECTIONS

TDE .4668 TRA -.3664 TC3 1.4050 BAU .2054
 RDE -.1883 RRA -.0523 RC3 .1199 FAU .07742
 FDE -1.4316 FRA .0985 FC3-6.1521 BSP 4486
 BDE .5033 BRA .3701 BC3 1.4101 FSP -1199

MID-COURSE EXECUTION ACCURACY

SGT 1396.6 SGR 349.2 SG3 411.6
 RRT -.2656 RRF .2850 RTF -.8862
 SGB 1439.6 R23 -.0365 R13 .8870
 SG1 1399.8 SG2 335.9 THA 175.97

ORBIT DETERMINATION ACCURACY

ST 834.5 SR 328.1 SS 1100.7
 CRT -.9468 CRS -.9927 CST .9763
 LSA 1411.0 MSA 156.1 SSA 18.6
 EL1 891.2 EL2 98.9 ALF 159.32

LAUNCH DATE JUN 13 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 296.775

RL 151.93 LAL -.00 LOL 261.32 VL 26.605 GAL -1.48 AZL 93.15 HCA 128.75 SMA 127.70 ECC .19142 INC 3.1475 V1 29.325
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.557 GAP -6.79 AZP 88.05 TAL 186.29 TAP 315.04 RCA 103.26 APO 152.14 V2 34.977
 RC 62.420 GL -26.72 GP -2.90 ZAL 105.49 ZAP 28.96 ETS 4.38 ZAE 148.97 ETE 8.93 ZAC 85.06 ETC 13.69 CLP -28.83

PLANETOCENTRIC CONIC

C3 10.549 VHL 3.248 DLA -14.85 RAL 146.10 RAD 6567.4 VEL 11.486 PTH 2.00 VHP 4.811 DPA -.13 RAP 181.27 ECC 1.1736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 5 1592.36 -1.21 5.06 357.84 118.29 6 7 37 992.4 2.58 358.43
 90.00 13 43 56 5197.18 26.09 233.05 1.94 78.57 15 10 33 4597.2 24.25 224.87
 100.00 6 54 24 1355.78 -2.15 347.14 357.32 119.82 7 17 0 755.8 1.84 340.62
 100.00 15 13 18 4909.00 27.13 211.60 1.68 76.95 16 35 7 4309.0 25.06 203.41
 110.00 7 44 45 1198.09 -4.55 333.69 355.82 123.92 8 4 43 598.1 -.07 327.47
 110.00 16 39 27 4639.44 29.86 190.29 .84 72.54 17 56 46 4039.4 27.18 182.12

DIFFERENTIAL CORRECTIONS

TDE .4534 TRA -.3424 TC3 1.4325 BAU .2025
 RDE -.1831 RRA -.0492 RC3 .0919 FAU .08597
 FDE -1.5779 FRA .0452 FC3-7.0553 BSP 4436
 BDE .4890 BRA .3459 BC3 1.4355 FSP -1364

MID-COURSE EXECUTION ACCURACY

SGT 1377.0 SGR 340.5 SG3 463.3
 RRT -.3128 RRF .3384 RTF -.8860
 SGB 1418.5 R23 -.0476 R13 .8871
 SG1 1381.4 SG2 322.4 THA 175.32

ORBIT DETERMINATION ACCURACY

ST 822.0 SR 324.1 SS 1158.5
 CRT -.9505 CRS -.9943 CST .9755
 LSA 1448.4 MSA 156.8 SSA 18.1
 EL1 878.6 EL2 94.2 ALF 159.21

LAUNCH DATE JUN 13 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 303.382

RL 151.93 LAL -.00 LOL 261.32 VL 26.668 GAL -1.57 AZL 93.12 HCA 131.95 SMA 128.12 ECC .18779 INC 3.1194 V1 29.325
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.614 GAP -6.19 AZP 87.91 TAL 186.80 TAP 318.75 RCA 104.06 APO 152.18 V2 34.990
 RC 64.367 GL -26.95 GP -3.24 ZAL 106.47 ZAP 32.33 ETS 4.27 ZAE 150.14 ETE 7.93 ZAC 85.30 ETC 13.71 CLP -32.18

PLANETOCENTRIC CONIC

C3 10.249 VHL 3.201 DLA -14.69 RAL 145.03 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 4.523 DPA -.38 RAP 180.99 ECC 1.1687
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 35 19 1592.36 -1.21 5.06 356.39 118.29 6 1 51 992.4 2.58 358.43
 90.00 13 41 9 5185.50 25.93 232.24 .38 78.19 15 7 35 4585.5 24.04 224.08
 100.00 6 48 46 1355.40 -2.14 347.12 355.88 119.82 7 11 21 755.4 1.85 340.60
 100.00 15 10 24 4897.70 26.96 210.81 .12 76.56 16 32 2 4297.7 24.84 202.65
 110.00 7 39 21 1196.92 -4.51 333.62 354.40 123.92 7 59 18 596.9 -.02 327.41
 110.00 16 36 18 4628.94 29.65 189.55 359.26 72.15 17 53 27 4028.9 26.92 181.42

DIFFERENTIAL CORRECTIONS

TDE .4373 TRA -.3197 TC3 1.4391 BAU .1973
 RDE -.1789 RRA -.0466 RC3 .0572 FAU .09568
 FDE -1.7422 FRA -.0161 FC3-8.0824 BSP 4367
 BDE .4724 BRA .3231 BC3 1.4402 FSP -1554

MID-COURSE EXECUTION ACCURACY

SGT 1345.8 SGR 333.5 SG3 522.0
 RRT -.3691 RRF .4025 RTF -.8843
 SGB 1386.6 R23 -.0623 R13 .8859
 SG1 1351.8 SG2 308.6 THA 174.48

ORBIT DETERMINATION ACCURACY

ST 802.9 SR 321.1 SS 1220.1
 CRT -.9535 CRS -.9956 CST .9745
 LSA 1487.0 MSA 157.7 SSA 17.4
 EL1 860.0 EL2 90.3 ALF 158.88

LAUNCH DATE JUN 13 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 309.969

RL 151.93 LAL -.00 LOL 261.32 VL 26.723 GAL -1.64 AZL 93.09 HCA 135.15 SMA 128.48 ECC .18462 INC 3.0884 V1 29.325
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.666 GAP -5.61 AZP 87.81 TAL 187.26 TAP 322.41 RCA 104.76 APO 152.20 V2 35.003
 RC 66.356 GL -27.10 GP -3.64 ZAL 107.35 ZAP 35.93 ETS 4.20 ZAE 151.63 ETE 6.84 ZAC 85.77 ETC 13.73 CLP -35.77

PLANETOCENTRIC CONIC

C3 9.983 VHL 3.160 DLA -14.49 RAL 144.10 RAD 6567.4 VEL 11.462 PTH 1.99 VHP 4.256 DPA -.59 RAP 180.47 ECC 1.1643
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 29 51 1593.90 -1.26 5.14 355.11 118.29 5 56 25 993.9 2.53 358.51
 90.00 13 39 9 5173.48 25.75 231.40 358.98 77.80 15 5 23 4573.5 23.82 223.26
 100.00 6 43 26 1356.49 -2.17 347.18 354.61 119.82 7 6 2 756.5 1.81 340.66
 100.00 15 8 15 4886.12 26.77 210.00 358.72 76.17 16 29 42 4286.1 24.60 201.87
 110.00 7 34 19 1197.11 -4.52 333.63 353.15 123.92 7 54 16 597.1 -.03 327.42
 110.00 16 33 52 4618.27 29.42 188.80 357.86 71.75 17 50 50 4018.3 26.65 180.71

DIFFERENTIAL CORRECTIONS

TDE .4141 TRA -.3021 TC3 1.4074 BAU .1879
 RDE -.1755 RRA -.0445 RC3 .0155 FAU .10630
 FDE -1.9177 FRA -.0777 FC3-9.2179 BSP 4198
 BDE .4498 BRA .3054 BC3 1.4075 FSP -1759

MID-COURSE EXECUTION ACCURACY

SGT 1294.3 SGR 329.1 SG3 586.3
 RRT -.4300 RRF .4755 RTF -.8779
 SGB 1335.5 R23 -.0856 R13 .8804
 SG1 1302.4 SG2 295.3 THA 173.42

ORBIT DETERMINATION ACCURACY

ST 770.3 SR 319.3 SS 1280.4
 CRT -.9545 CRS -.9965 CST .9725
 LSA 1519.5 MSA 159.5 SSA 16.6
 EL1 829.2 EL2 88.4 ALF 158.16

LAUNCH DATE JUN 13 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 316.538

RL 151.93 LAL -.00 LOL 261.32 VL 26.772 GAL -1.70 AZL 93.05 HCA 138.35 SMA 128.81 ECC .18186 INC 3.0536 V1 29.325
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.712 GAP -5.05 AZP 87.72 TAL 187.67 TAP 326.02 RCA 105.38 APO 152.23 V2 35.016
 RC 68.382 GL -27.17 GP -4.11 ZAL 108.12 ZAP 39.79 ETS 4.15 ZAE 153.47 ETE 5.56 ZAC 86.51 ETC 13.75 CLP -39.61

PLANETOCENTRIC CONIC

C3 9.746 VHL 3.122 DLA -14.27 RAL 143.30 RAD 6567.4 VEL 11.451 PTH 1.99 VHP 4.009 DPA -.75 RAP 179.69 ECC 1.1604
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 43 1596.85 -1.36 5.31 354.00 118.29 5 51 20 996.9 2.43 358.68
 90.00 13 37 57 5160.99 25.57 230.53 357.76 77.41 15 3 58 4561.0 23.58 222.42
 100.00 6 38 27 1358.94 -2.26 347.32 353.50 119.82 7 1 6 758.9 1.73 340.80
 100.00 15 6 54 4874.13 26.57 209.16 357.50 75.78 16 28 8 4274.1 24.35 201.07
 110.00 7 29 40 1198.53 -4.57 333.71 352.06 123.91 7 49 38 598.5 -.09 327.49
 110.00 16 32 10 4607.31 29.18 188.03 356.62 71.36 17 48 58 4007.3 26.36 179.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3857 TRA -.2878 TC3 1.3415 BAU .1749 SGT 1224.6 SGR 329.0 SG3 657.1 ST 727.0 SR 319.0 SS 1341.6
 RDE -.1733 RRA -.0427 RC3 -.0351 FAU .11797 RRT -.4951 RRF .5577 RTF -.8666 CRT -.9539 CRS -.9973 CST .9694
 FDE -2.1071 FRA -.1422 FC-10.4792 BSP 3966 SGB 1268.0 R23 -.1201 R13 .8709 LSA 1550.5 MSA 161.4 SSA 15.8
 BDE .4229 BRA .2909 BC3 1.3420 FSP -1986 SG1 1236.0 SG2 283.2 THA 172.00 EL1 789.0 EL2 88.2 ALF 156.98

LAUNCH DATE JUN 13 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 323.086

RL 151.93 LAL -.00 LOL 261.32 VL 26.813 GAL -1.74 AZL 93.01 HCA 141.56 SMA 129.08 ECC .17948 INC 3.0142 V1 29.325
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.754 GAP -4.50 AZP 87.64 TAL 188.01 TAP 329.57 RCA 105.92 APO 152.25 V2 35.029
 RC 70.443 GL -27.16 GP -4.67 ZAL 108.79 ZAP 43.93 ETS 4.11 ZAE 155.66 ETE 3.98 ZAC 87.54 ETC 13.75 CLP -43.74

PLANETOCENTRIC CONIC

C3 9.530 VHL 3.087 DLA -14.03 RAL 142.66 RAD 6567.3 VEL 11.442 PTH 1.98 VHP 3.785 DPA -.89 RAP 178.63 ECC 1.1568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 55 1601.15 -1.50 5.55 353.06 118.28 5 46 36 1001.1 2.30 358.92
 90.00 13 37 35 5147.87 25.37 229.62 356.70 76.99 15 3 23 4547.9 23.33 221.54
 100.00 6 33 49 1362.68 -2.38 347.52 352.56 119.81 6 56 32 762.7 1.60 341.00
 100.00 15 6 21 4861.57 26.36 208.29 356.43 75.36 16 27 23 4261.6 24.09 200.23
 110.00 7 25 24 1201.12 -4.67 333.84 351.14 123.90 7 45 26 601.1 -.18 327.63
 110.00 16 31 16 4595.90 28.93 187.24 355.55 70.95 17 47 52 3995.9 26.06 179.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3507 TRA -.2774 TC3 1.2327 BAU .1575 SGT 1133.4 SGR 334.9 SG3 733.3 ST 670.4 SR 320.8 SS 1401.0
 RDE -.1724 RRA -.0414 RC3 -.0960 FAU .13052 RRT -.5567 RRF .6451 RTF -.8467 CRT -.9507 CRS -.9979 CST .9643
 FDE -2.3043 FRA -.2071 FC-11.8567 BSP 3658 SGB 1181.8 R23 -.1737 R13 .8547 LSA 1577.4 MSA 163.6 SSA 14.9
 BDE .3908 BRA .2805 BC3 1.2364 FSP -2234 SG1 1149.5 SG2 274.3 THA 170.09 EL1 737.7 EL2 90.4 ALF 155.14

LAUNCH DATE JUN 13 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 329.614

RL 151.93 LAL -.00 LOL 261.32 VL 26.848 GAL -1.78 AZL 92.97 HCA 144.76 SMA 129.32 ECC .17745 INC 2.9686 V1 29.325
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.792 GAP -3.97 AZP 87.57 TAL 188.29 TAP 333.05 RCA 106.37 APO 152.27 V2 35.042
 RC 72.534 GL -27.07 GP -5.33 ZAL 109.35 ZAP 48.36 ETS 4.07 ZAE 158.19 ETE 1.88 ZAC 88.86 ETC 13.72 CLP -48.14

PLANETOCENTRIC CONIC

C3 9.329 VHL 3.054 DLA -13.74 RAL 142.16 RAD 6567.3 VEL 11.433 PTH 1.98 VHP 3.584 DPA -1.00 RAP 177.27 ECC 1.1535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 15 26 1606.87 -1.68 5.87 352.27 118.27 5 42 12 1006.9 2.11 359.24
 90.00 13 38 7 5133.81 25.16 228.65 355.81 76.55 15 3 40 4533.8 23.06 220.61
 100.00 6 29 32 1367.78 -2.55 347.80 351.79 119.79 6 52 20 767.8 1.43 341.28
 100.00 15 6 41 4848.13 26.12 207.36 355.53 74.93 16 27 30 4248.1 23.80 199.33
 110.00 7 21 32 1204.91 -4.81 334.04 350.39 123.88 7 41 37 604.9 -.33 327.83
 110.00 16 31 11 4583.76 28.66 186.40 354.64 70.52 17 47 35 3983.8 25.74 178.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3112 TRA -.2696 TC3 1.0874 BAU .1373 SGT 1026.2 SGR 350.2 SG3 816.4 ST 604.6 SR 325.8 SS 1462.4
 RDE -.1732 RRA -.0406 RC3 -.1708 FAU .14415 RRT -.6070 RRF .7332 RTF -.8152 CRT -.9446 CRS -.9984 CST .9567
 FDE -2.5130 FRA -.2739 FC-13.3771 BSP 3315 SGB 1084.3 R23 -.2524 R13 .8311 LSA 1607.1 MSA 165.4 SSA 14.0
 BDE .3562 BRA .2727 BC3 1.1008 FSP -2509 SG1 1049.6 SG2 272.1 THA 167.44 EL1 680.2 EL2 95.1 ALF 152.44

LAUNCH DATE JUN 13 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 336.121

RL 151.93 LAL -.00 LOL 261.32 VL 26.878 GAL -1.80 AZL 92.92 HCA 147.97 SMA 129.52 ECC .17574 INC 2.9153 V1 29.325
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.825 GAP -3.46 AZP 87.53 TAL 188.50 TAP 336.47 RCA 106.76 APO 152.28 V2 35.056
 RC 74.652 GL -26.87 GP -6.11 ZAL 109.80 ZAP 53.08 ETS 4.02 ZAE 161.05 ETE 358.84 ZAC 90.49 ETC 13.66 CLP -52.84

PLANETOCENTRIC CONIC

C3 9.137 VHL 3.023 DLA -13.41 RAL 141.82 RAD 6567.3 VEL 11.425 PTH 1.98 VHP 3.406 DPA -1.11 RAP 175.60 ECC 1.1504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 11 12 1614.22 -1.92 6.28 351.66 118.26 5 38 6 1014.2 1.87 359.65
 90.00 13 39 39 5118.36 24.91 227.58 355.06 76.07 15 4 57 4518.4 22.75 219.58
 100.00 6 25 31 1374.41 -2.78 348.17 351.18 119.77 6 48 26 774.4 1.20 341.65
 100.00 15 8 0 4833.40 25.86 206.35 354.79 74.46 16 28 34 4233.4 23.48 198.36
 110.00 7 18 0 1210.06 -5.01 334.31 349.79 123.86 7 38 10 610.1 -.53 328.10
 110.00 16 32 1 4570.51 28.36 185.49 353.89 70.06 17 48 12 3970.5 25.38 177.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2633 TRA -.2668 TC3 .8849 BAU .1127 SGT 897.5 SGR 376.8 SG3 900.6 ST 523.1 SR 334.0 SS 1516.2
 RDE -.1757 RRA -.0401 RC3 -.2611 FAU .15791 RRT -.6210 RRF .8122 RTF -.7556 CRT -.9311 CRS -.9987 CST .9425
 FDE -2.7121 FRA -.3307 FC-14.9624 BSP 2863 SGB 973.4 R23 -.3691 R13 .7913 LSA 1629.6 MSA 167.6 SSA 13.1
 BDE .3166 BRA .2698 BC3 .9226 FSP -2784 SG1 930.8 SG2 284.8 THA 163.83 EL1 611.8 EL2 104.2 ALF 148.24

LAUNCH DATE JUN 13 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 342.608

RL 151.93 LAL -.00 LOL 261.32 VL 26.902 GAL -1.81 AZL 92.85 HCA 151.18 SMA 129.68 ECC .17432 INC 2.8513 V1 29.325
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.854 GAP -2.96 AZP 87.50 TAL 188.64 TAP 339.82 RCA 107.08 APO 152.29 V2 35.069
 RC 76.795 GL -26.56 GP -7.05 ZAL 110.14 ZAP 58.09 ETS 3.92 ZAE 164.17 ETE 354.06 ZAC 92.41 ETC 13.55 CLP -57.81

PLANETOCENTRIC CONIC

C3 8.946 VHL 2.991 DLA -13.02 RAL 141.65 RAD 6567.3 VEL 11.416 PTH 1.98 VHP 3.254 DPA -1.26 RAP 173.62 ECC 1.1472
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 7 6 1623.66 -2.22 6.80 351.20 118.24 5 34 10 1023.7 1.57 .18
 90.00 13 42 22 5100.79 24.61 226.38 354.47 75.54 15 7 23 4500.8 22.39 218.42
 100.00 6 21 41 1383.03 -3.07 348.64 350.73 119.75 6 44 44 783.0 .91 342.12
 100.00 15 10 28 4816.65 25.55 205.20 354.19 73.93 16 30 45 4216.7 23.10 197.26
 110.00 7 14 43 1216.94 -5.27 334.68 349.36 123.82 7 35 0 616.9 -.79 328.45
 110.00 16 33 56 4555.51 28.00 184.46 353.28 69.55 17 49 51 3955.5 24.96 176.61

DIFFERENTIAL CORRECTIONS

TDE .2101 TRA -.2666 TC3 .6354 BAU .0881
 RDE -.1806 RRA -.0400 RC3 -.3730 FAU .17193
 FDE -2.8988 FRA -.3794 FC-16.6386 BSP 2412
 BDE .2770 BRA .2696 BC3 .7368 FSP -3077

MID-COURSE EXECUTION ACCURACY

SGT 762.4 SGR .419.0 SG3 986.8
 RRT -.5723 RRF .8775 RTF -.6462
 SGB 870.0 R23 -.5132 R13 .7331
 SG1 807.2 SG2 324.6 THA 158.99

ORBIT DETERMINATION ACCURACY

ST 432.3 SR 346.7 SS 1564.8
 CRT -.9046 CRS -.9990 CST .9158
 LSA 1651.4 MSA 169.2 SSA 12.1
 EL1 541.5 EL2 118.0 ALF 141.90

LAUNCH DATE JUN 13 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 349.074

RL 151.93 LAL -.00 LOL 261.32 VL 26.921 GAL -1.81 AZL 92.77 HCA 154.40 SMA 129.81 ECC .17317 INC 2.7728 V1 29.325
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.879 GAP -2.47 AZP 87.50 TAL 188.71 TAP 343.11 RCA 107.33 APO 152.30 V2 35.082
 RC 78.958 GL -26.11 GP -8.19 ZAL 110.39 ZAP 63.34 ETS 3.77 ZAE 167.39 ETE 345.80 ZAC 94.63 ETC 13.36 CLP -63.05

PLANETOCENTRIC CONIC

C3 8.750 VHL 2.958 DLA -12.54 RAL 141.66 RAD 6567.3 VEL 11.408 PTH 1.97 VHP 3.129 DPA -1.50 RAP 171.32 ECC 1.1440
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 2 58 1636.01 -2.62 7.49 350.90 118.21 5 30 14 1036.0 1.17 .86
 90.00 13 46 34 5079.97 24.25 224.96 354.02 74.92 15 11 14 4480.0 21.95 217.05
 100.00 6 17 51 1394.37 -3.45 349.27 350.44 119.71 6 41 6 794.4 .53 342.74
 100.00 15 14 21 4796.84 25.17 203.85 353.73 73.32 16 34 18 4196.8 22.64 195.96
 110.00 7 11 34 1226.18 -5.62 335.16 349.09 123.77 7 32 0 626.2 -1.14 328.94
 110.00 16 37 8 4537.80 27.58 183.26 352.81 68.95 17 52 46 3937.8 24.46 175.47

DIFFERENTIAL CORRECTIONS

TDE .1496 TRA -.2710 TC3 .3203 BAU .0704
 RDE -.1875 RRA -.0396 RC3 -.5100 FAU .18466
 FDE -3.0431 FRA -.3999 FC-18.2700 BSP 1964
 BDE .2399 BRA .2739 BC3 .6022 FSP -3335

MID-COURSE EXECUTION ACCURACY

SGT 639.5 SGR 478.7 SG3 1065.9
 RRT -.3927 RRF .9253 RTF -.4220
 SGB 798.8 R23 -.6696 R13 .6418
 SG1 685.0 SG2 411.0 THA 153.40

ORBIT DETERMINATION ACCURACY

ST 331.7 SR 364.1 SS 1597.1
 CRT -.8405 CRS -.9993 CST .8529
 LSA 1662.5 MSA 171.1 SSA 11.1
 EL1 472.7 EL2 138.4 ALF 131.83

LAUNCH DATE JUN 13 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 355.519

RL 151.93 LAL -.00 LOL 261.32 VL 26.935 GAL -1.80 AZL 92.67 HCA 157.61 SMA 129.91 ECC .17227 INC 2.6734 V1 29.325
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.901 GAP -2.00 AZP 87.53 TAL 188.71 TAP 346.32 RCA 107.53 APO 152.29 V2 35.094
 RC 81.139 GL -25.45 GP -9.61 ZAL 110.54 ZAP 68.81 ETS 3.52 ZAE 170.28 ETE 330.24 ZAC 97.11 ETC 13.06 CLP -68.50

PLANETOCENTRIC CONIC

C3 8.541 VHL 2.922 DLA -11.91 RAL 141.86 RAD 6567.3 VEL 11.399 PTH 1.97 VHP 3.032 DPA -1.92 RAP 168.73 ECC 1.1406
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 26 1652.71 -3.16 8.43 350.77 118.15 5 25 59 1052.7 .63 1.80
 90.00 13 52 42 5054.06 23.78 223.21 353.69 74.16 15 16 56 4454.1 21.38 215.36
 100.00 6 13 43 1409.81 -3.97 350.12 350.32 119.65 6 37 13 809.8 .00 343.59
 100.00 15 20 6 4772.19 24.68 202.18 353.40 72.57 16 39 38 4172.2 22.06 194.36
 110.00 7 8 17 1238.95 -6.10 335.84 349.00 123.70 7 28 56 639.0 -1.63 329.60
 110.00 16 42 2 4515.82 27.03 181.78 352.47 68.23 17 57 18 3915.8 23.83 174.08

DIFFERENTIAL CORRECTIONS

TDE .0850 TRA -.2771 TC3 -.0541 BAU .0782
 RDE -.1971 RRA -.0387 RC3 -.6824 FAU .19568
 FDE -3.1292 FRA -.3920 FC-19.8353 BSP 1785
 BDE .2147 BRA .2798 BC3 .6845 FSP -3569

MID-COURSE EXECUTION ACCURACY

SGT 580.6 SGR 560.7 SG3 1135.3
 RRT -.0269 RRF .9576 RTF -.0288
 SGB 807.2 R23 -.9009 R13 .3246
 SG1 583.1 SG2 558.1 THA 161.15

ORBIT DETERMINATION ACCURACY

ST 235.7 SR 387.3 SS 1610.8
 CRT -.6632 CRS -.9994 CST .6784
 LSA 1664.4 MSA 172.7 SSA 10.1
 EL1 423.8 EL2 161.2 ALF 116.02

LAUNCH DATE JUN 13 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 361.943

RL 151.93 LAL -.00 LOL 261.32 VL 26.945 GAL -1.78 AZL 92.54 HCA 160.83 SMA 129.98 ECC .17159 INC 2.5425 V1 29.325
 RP 107.94 LAP -.83 LOP 62.17 VP 37.920 GAP -1.54 AZP 87.60 TAL 188.63 TAP 349.47 RCA 107.68 APO 152.28 V2 35.107
 RC 83.336 GL -24.49 GP -11.43 ZAL 110.61 ZAP 74.43 ETS 3.13 ZAE 171.76 ETE 302.55 ZAC 99.81 ETC 12.58 CLP -74.11

PLANETOCENTRIC CONIC

C3 8.305 VHL 2.882 DLA -11.04 RAL 142.29 RAD 6567.3 VEL 11.388 PTH 1.97 VHP 2.965 DPA -2.67 RAP 165.85 ECC 1.1367
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 52 57 1676.34 -3.91 9.75 350.82 118.07 5 20 54 1076.3 -.13 3.11
 90.00 14 1 36 5019.92 23.13 220.92 353.49 73.19 15 25 16 4419.9 20.61 213.16
 100.00 6 8 46 1431.78 -4.71 351.33 350.38 119.55 6 32 38 831.8 -.74 344.79
 100.00 15 28 29 4739.71 24.00 200.01 353.19 71.62 16 47 29 4139.7 21.26 192.28
 110.00 7 4 27 1257.37 -6.80 336.81 349.09 123.58 7 25 25 657.4 -2.33 330.56
 110.00 16 49 17 4486.89 26.29 179.87 352.25 67.32 18 4 4 3886.9 22.98 172.27

DIFFERENTIAL CORRECTIONS

TDE .0195 TRA -.2829 TC3 -.4872 BAU .1143
 RDE -.2096 RRA -.0372 RC3 -.9073 FAU .20440
 FDE -3.1337 FRA -.3569 FC-21.3058 BSP 2114
 BDE .2105 BRA .2853 BC3 1.0298 FSP -3766

MID-COURSE EXECUTION ACCURACY

SGT 639.2 SGR 672.9 SG3 1191.4
 RRT .4042 RRF .9777 RTF .4108
 SGB 928.2 R23 .4706 R13 .8572
 SG1 778.5 SG2 505.4 THA 48.62

ORBIT DETERMINATION ACCURACY

ST 176.4 SR 417.7 SS 1600.0
 CRT -.1650 CRS -.9996 CST .1828
 LSA 1653.9 MSA 173.6 SSA 9.1
 EL1 418.9 EL2 173.5 ALF 94.81

LAUNCH DATE JUN 13 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 368.347

RL 151.93 LAL -.00 LOL 261.32 VL 26.951 GAL -1.74 AZL 92.36 HCA 164.05 SMA 130.02 ECC .17112 INC 2.3604 V1 29.325
 RP 107.91 LAP -.65 LOP 65.39 VP 37.936 GAP -1.09 AZP 87.73 TAL 188.49 TAP 352.54 RCA 107.77 APO 152.27 V2 35.119
 RC 85.546 GL -23.06 GP -13.86 ZAL 110.63 ZAP 80.11 ETS 2.51 ZAE 170.35 ETE 271.68 ZAC 102.69 ETC 11.81 CLP -79.81

PLANETOCENTRIC CONIC

C3 8.027 VHL 2.833 DLA -9.77 RAL 143.01 RAD 6567.3 VEL 11.376 PTH 1.96 VHP 2.934 DPA -3.96 RAP 162.67 ECC 1.1321
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 45 31 1711.75 -5.05 11.74 351.08 117.90 5 14 2 1111.8 -1.27 5.09
 90.00 14 14 48 4971.83 22.15 217.74 353.42 71.89 15 37 40 4371.8 19.46 210.09
 100.00 6 2 2 1464.86 -5.82 353.16 350.66 119.37 6 26 27 864.9 -1.86 346.61
 100.00 15 40 57 4693.95 22.98 196.99 353.11 70.34 16 59 11 4094.0 20.09 189.39
 110.00 6 59 20 1285.45 -7.85 338.30 349.41 123.38 7 20 45 685.4 -3.41 332.03
 110.00 17 0 9 4446.13 25.19 177.21 352.14 66.09 18 14 15 3846.1 21.74 169.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0429 TRA -.2865 TC3 -1.9884 BAU .1673 SGT 816.6 SGR 821.6 SG3 1218.9 ST 197.3 SR 452.4 SS 1537.3
 RDE -.2233 RRA -.0325 RC3-1.2056 FAU .20837 RRT .6872 RRF .9892 RTF .6917 CRT .4823 CRS -.9997 CST -.4676
 FDE-2.9918 FRA -.2587 FC-22.4722 BSP .2902 SGB 1158.4 R23 .3732 R13 .9163 LSA 1605.2 MSA 174.1 SSA 8.2
 BDE .2274 BRA .2883 BC3 1.5590 FSP -3856 SG1 1064.0 SG2 458.1 THA 45.26 EL1 463.9 EL2 168.5 ALF 76.28

LAUNCH DATE JUN 13 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 374.731

RL 151.93 LAL -.00 LOL 261.32 VL 26.953 GAL -1.69 AZL 92.09 HCA 167.27 SMA 130.04 ECC .17084 INC 2.0891 V1 29.325
 RP 107.87 LAP -.46 LOP 68.60 VP 37.948 GAP -1.65 AZP 87.96 TAL 188.27 TAP 355.55 RCA 107.82 APO 152.25 V2 35.131
 RC 87.767 GL -20.76 GP -17.31 ZAL 110.62 ZAP 85.73 ETS 1.53 ZAE 166.09 ETE 253.54 ZAC 105.72 ETC 10.55 CLP -85.53

PLANETOCENTRIC CONIC

C3 7.680 VHL 2.771 DLA -7.74 RAL 144.15 RAD 6567.3 VEL 11.361 PTH 1.96 VHP 2.947 DPA -6.24 RAP 159.11 ECC 1.1264
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 59 1769.27 -6.87 14.98 351.68 117.54 5 3 28 1169.3 -3.13 8.30
 90.00 14 35 24 4898.06 20.51 212.95 353.49 70.03 15 57 2 4298.1 17.60 205.48
 100.00 5 51 36 1518.88 -7.61 356.17 351.27 118.99 6 16 55 918.9 -3.69 349.58
 100.00 16 0 28 4623.69 21.30 192.45 353.17 68.52 17 17 32 4023.7 18.19 185.03
 110.00 6 51 20 1331.84 -9.58 340.78 350.08 122.97 7 13 32 731.8 -5.17 334.47
 110.00 17 17 14 4383.49 23.40 173.22 352.17 64.34 18 30 17 3783.5 19.75 165.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0922 TRA -.2830 TC3-1.5641 BAU .2326 SGT 1066.1 SGR 1033.2 SG3 1216.1 ST 261.5 SR 491.3 SS 1412.4
 RDE -.2371 RRA -.0235 RC3-1.6385 FAU .20711 RRT .8259 RRF .9954 RTF .8275 CRT .7534 CRS -.9998 CST -.7431
 FDE-2.6760 FRA -.1169 FC-23.3470 BSP .4038 SGB 1484.6 R23 .2947 R13 .9508 LSA 1508.2 MSA 173.4 SSA 7.3
 BDE .2544 BRA .2839 BC3 2.2652 FSP -3862 SG1 1418.5 SG2 437.8 THA 43.91 EL1 533.5 EL2 158.4 ALF 65.89

LAUNCH DATE JUN 13 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 381.094

RL 151.93 LAL -.00 LOL 261.32 VL 26.952 GAL -1.64 AZL 91.64 HCA 170.50 SMA 130.03 ECC .17074 INC 1.6386 V1 29.325
 RP 107.83 LAP -.27 LOP 71.82 VP 37.958 GAP -1.22 AZP 88.38 TAL 187.99 TAP 358.49 RCA 107.83 APO 152.23 V2 35.143
 RC 89.996 GL -16.65 GP -22.71 ZAL 110.66 ZAP 91.10 ETS 359.90 ZAE 159.42 ETE 246.53 ZAC 108.84 ETC 8.33 CLP -91.19

PLANETOCENTRIC CONIC

C3 7.223 VHL 2.688 DLA -4.05 RAL 146.03 RAD 6567.2 VEL 11.341 PTH 1.95 VHP 3.033 DPA -10.36 RAP 154.91 ECC 1.1189
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 13 20 1874.73 -10.14 21.00 352.97 116.58 4 44 35 1274.7 -6.49 14.23
 90.00 15 11 5 4770.53 17.34 204.93 353.88 67.26 16 30 35 4170.5 14.11 197.75
 100.00 5 32 47 1618.46 -10.85 1.79 352.59 118.02 5 59 45 1018.5 -7.02 355.09
 100.00 16 34 19 4502.03 18.08 184.85 353.54 65.78 17 49 21 3902.0 14.65 177.73
 110.00 6 36 40 1418.45 -12.75 345.49 351.47 121.99 7 0 18 818.4 -8.43 339.05
 110.00 17 46 55 4274.81 20.04 166.58 352.52 61.71 18 58 10 3674.8 16.10 159.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.1111 TRA -.2656 TC3-2.2519 BAU .3125 SGT 1357.8 SGR 1348.5 SG3 1157.7 ST 294.0 SR 509.2 SS 1150.0
 RDE -.2382 RRA -.0015 RC3-2.3239 FAU .19657 RRT .8925 RRF .9984 RTF .8926 CRT .8137 CRS -.9998 CST -.8045
 FDE-2.0504 FRA .1042 FC-23.5594 BSP .5513 SGB 1913.6 R23 .2299 R13 .9715 LSA 1280.2 MSA 171.1 SSA 6.8
 BDE .2629 BRA .2656 BC3 3.2360 FSP -3685 SG1 1861.5 SG2 443.6 THA 44.78 EL1 567.7 EL2 153.3 ALF 62.68

LAUNCH DATE JUN 13 1967

FLIGHT TIME 140.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 387.435

RL 151.93 LAL -.00 LOL 261.32 VL 26.948 GAL -1.57 AZL 90.73 HCA 173.72 SMA 130.00 ECC .17081 INC .7213 V1 29.325
 RP 107.80 LAP -.08 LOP 75.05 VP 37.966 GAP -.20 AZP 89.28 TAL 187.64 TAP 1.36 RCA 107.79 APO 152.21 V2 35.154
 RC 92.232 GL -7.62 GP -32.37 ZAL 110.77 ZAP 95.71 ETS 356.91 ZAE 148.87 ETE 246.13 ZAC 111.88 ETC 3.93 CLP -96.77

PLANETOCENTRIC CONIC

C3 6.659 VHL 2.581 DLA 4.21 RAL 149.74 RAD 6567.2 VEL 11.316 PTH 1.95 VHP 3.303 DPA -18.52 RAP 149.15 ECC 1.1096
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 42 2116.99 -17.09 35.40 356.68 112.93 4 1 59 1517.0 -13.84 28.23
 90.00 16 27 19 4499.72 9.56 188.86 355.79 63.22 17 42 19 3899.7 5.89 182.11
 100.00 4 50 1 1848.26 -17.80 15.30 356.35 114.42 5 20 49 1248.3 -14.36 8.21
 100.00 17 46 41 4243.68 10.25 169.67 355.42 61.77 18 57 25 3643.7 6.40 163.00
 110.00 6 2 47 1620.52 -19.71 357.01 355.35 118.51 6 29 48 1020.5 -15.75 350.13
 110.00 18 50 25 4044.19 12.09 153.44 354.33 57.78 19 57 49 3444.2 7.75 147.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0365 TRA -.2055 TC3-3.0618 BAU .4152 SGT 1647.1 SGR 1858.0 SG3 984.7 ST 166.3 SR 375.1 SS 573.1
 RDE -.1660 RRA .0648 RC3-3.5173 FAU .16667 RRT .9256 RRF .9996 RTF .9255 CRT .4248 CRS -.9992 CST -.3994
 FDE -.8814 FRA .4479 FC-21.6682 BSP .7392 SGB 2482.9 R23 .1678 R13 .9854 LSA 688.3 MSA 151.3 SSA 9.4
 BDE .1700 BRA .2155 BC3 4.6633 FSP -3123 SG1 2437.0 SG2 475.4 THA 48.72 EL1 382.9 EL2 147.5 ALF 77.45

LAUNCH DATE JUN 13 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 393.751

RL 151.93 LAL -.00 LOL 261.32 VL 26.941 GAL -1.48 AZL 87.90 HCA 176.95 SMA 129.95 ECC .17104 INC 2.0900 V1 29.325
 RP 107.77 LAP .11 LOP 78.27 VP 37.971 GAP .61 AZP 92.09 TAL 187.22 TAP 4.17 RCA 107.72 APO 152.18 V2 35.165
 RC 94.474 GL 21.01 GP -53.39 ZAL 108.59 ZAP 97.53 ETS 350.74 ZAE 127.96 ETE 249.36 ZAC 113.15 ETC 353.67 CLP-102.69

PLANETOCENTRIC CONIC

C3 7.547 VHL 2.747 DLA 30.46 RAL 161.88 RAD 6567.2 VEL 11.355 PTH 1.96 VHP 4.521 DPA -36.94 RAP 137.38 ECC 1.1242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.27 21 9 18 3633.78 -25.80 142.65 16.65 73.21 22 9 51 3033.8 -27.85 134.40
 101.73 0 21 36 3027.24 -25.78 97.96 16.64 73.19 1 12 3 2427.2 -27.84 89.71
 78.27 21 9 18 3633.78 -25.80 142.65 16.65 73.21 22 9 51 3033.8 -27.85 134.40
 101.73 0 21 36 3027.24 -25.78 97.96 16.64 73.19 1 12 3 2427.2 -27.84 89.71
 110.00 3 16 41 2479.46 -34.01 58.06 18.35 86.37 3 58 1 1879.5 -34.14 48.82
 110.00 23 13 23 3229.56 -18.10 109.69 13.10 60.50 24 7 12 2629.6 -21.89 102.61

DIFFERENTIAL CORRECTIONS

TDE .4345 TRA .0164 TC3-3.2154 BAU .5613
 RDE .3739 RRA .3482 RC3-4.5391 FAU .09144
 FDE .8999 FRA .8134 FC-10.4889 BSP 10161
 BDE .5732 BRA .3485 BC3 5.5626 FSP -1726

MID-COURSE EXECUTION ACCURACY

SGT 1985.9 SGR 2745.5 SG3 550.6
 RRT .9438 RRF .9999 RTF .9451
 SGB 3388.5 R23 .1096 R13 .9939
 SG1 3345.4 SG2 538.5 THA 54.62

ORBIT DETERMINATION ACCURACY

ST 907.7 SR 823.1 SS 771.6
 CRT .9550 CRS-1.0000 CST -.9576
 LSA 1432.8 MSA 209.3 SSA 1.5
 EL1 1211.6 EL2 182.9 ALF 42.07

LAUNCH DATE JUN 13 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 400.244

RL 151.93 LAL -.00 LOL 261.32 VL 26.931 GAL -1.43 AZL 149.98 HCA 180.35 SMA 129.88 ECC .17150 INC59.9410 V1 29.325
 RP 107.73 LAP .30 LOP 81.50 VP 37.973 GAP 1.06 AZP 30.03 TAL 186.91 TAP 7.26 RCA 107.61 APO 152.16 V2 35.175
 RC 96.719 GL -55.77 GP 65.75 ZAL 91.73 ZAP 91.46 ETS 177.87 ZAE 62.72 ETE 270.38 ZAC 76.91 ETC 175.47 CLP 93.55

PLANETOCENTRIC CONIC

C3 794.937 VHL 28.195 DLA -45.47 RAL 141.76 RAD 6572.8 VEL 30.269 PTH 3.45 VHP 34.761 DPA 52.55 RAP 319.30 ECC14.0826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.80 5 33 47 2258.81 .26 57.76 51.50 135.47 6 11 26 1658.8 5.95 52.55
 127.20 13 16 36 839.83 .27 307.68 51.51 135.47 13 30 36 239.8 5.97 302.47
 52.80 5 33 47 2258.81 .26 57.76 51.50 135.47 6 11 26 1658.8 5.95 52.55
 127.20 13 16 36 839.83 .27 307.68 51.51 135.47 13 30 36 239.8 5.97 302.47
 52.80 5 33 47 2258.81 .26 57.76 51.50 135.47 6 11 26 1658.8 5.95 52.55
 127.20 13 16 36 839.83 .27 307.68 51.51 135.47 13 30 36 239.8 5.97 302.47

DIFFERENTIAL CORRECTIONS

TDE 4.5572 TRA 1.9757 TC3 -.1113 BAU 3.3657
 RDE -14.5851 RRA -.2931 RC3 .2965 FAU -.05417
 FDE -3.1236 FRA -.0336 FC3 .0590 BSP 17236
 BDE15.2805 BRA 1.9973 BC3 .3167 FSP 271

MID-COURSE EXECUTION ACCURACY

SGT 1256.8 SGR 3404.0 SG3 61.9
 RRT -.8983 RRF .9995 RTF -.8906
 SGB 3628.6 R23 -.0658 R13 .9974
 SG1 3590.6 SG2 523.5 THA 108.76

ORBIT DETERMINATION ACCURACY

ST 942.1 SR 2964.5 SS 1906.7
 CRT -.9848 CRS-1.0000 CST .9841
 LSA 3644.9 MSA 159.6 SSA 1.8
 EL1 3106.6 EL2 156.3 ALF 107.42

LAUNCH DATE JUN 13 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 406.370

RL 151.93 LAL -.00 LOL 261.32 VL 26.918 GAL -1.29 AZL 98.24 HCA 183.44 SMA 129.80 ECC .17195 INC 8.2416 V1 29.325
 RP 107.70 LAP .49 LOP 84.72 VP 37.974 GAP 1.42 AZP 81.77 TAL 186.24 TAP 9.68 RCA 107.48 APO 152.11 V2 35.185
 RC 98.967 GL -54.00 GP 48.37 ZAL 99.48 ZAP 104.92 ETS 18.81 ZAE 124.58 ETE 121.46 ZAC 94.17 ETC 28.30 CLP-112.81

PLANETOCENTRIC CONIC

C3 22.741 VHL 4.769 DLA -40.06 RAL 134.13 RAD 6567.9 VEL 12.005 PTH 2.14 VHP 4.311 DPA 57.10 RAP 183.70 ECC 1.3743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.39 5 34 37 1548.05 26.02 17.64 8.62 121.60 6 0 25 948.1 30.00 10.19
 119.61 12 14 51 5586.56 26.04 260.45 8.63 121.59 13 47 58 4986.6 30.01 253.00
 60.39 5 34 37 1548.05 26.02 17.64 8.62 121.60 6 0 25 948.1 30.00 10.19
 119.61 12 14 51 5586.56 26.04 260.45 8.63 121.59 13 47 58 4986.6 30.01 253.00
 60.39 5 34 37 1548.05 26.02 17.64 8.62 121.60 6 0 25 948.1 30.00 10.19
 119.61 12 14 51 5586.56 26.04 260.45 8.63 121.59 13 47 58 4986.6 30.01 253.00

DIFFERENTIAL CORRECTIONS

TDE -1.6151 TRA -.7840 TC3-1.3291 BAU .5345
 RDE 1.7636 RRA .2918 RC3 1.1506 FAU .09217
 FDE -5.1511 FRA -.9483 FC3-3.5091 BSP 11179
 BDE 2.3914 BRA .8366 BC3 1.7580 FSP -1995

MID-COURSE EXECUTION ACCURACY

SGT 2624.4 SGR 2429.8 SG3 621.4
 RRT -.9514 RRF -.9997 RTF .9582
 SGB 3576.5 R23 .1453 R13 -.9893
 SG1 3533.1 SG2 555.9 THA 137.32

ORBIT DETERMINATION ACCURACY

ST 1975.7 SR 2123.7 SS 2311.5
 CRT -.9924 CRS 1.0000 CST -.9933
 LSA 3703.6 MSA 199.7 SSA .9
 EL1 2895.1 EL2 178.2 ALF 132.92

LAUNCH DATE JUN 13 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 412.635

RL 151.93 LAL -.00 LOL 261.32 VL 26.903 GAL -1.17 AZL 95.88 HCA 186.67 SMA 129.70 ECC .17260 INC 5.8776 V1 29.325
 RP 107.67 LAP .68 LOP 87.95 VP 37.972 GAP 1.80 AZP 84.16 TAL 185.64 TAP 12.30 RCA 107.31 APO 152.08 V2 35.195
 RC 101.218 GL -45.90 GP 28.68 ZAL 100.96 ZAP 113.04 ETS 14.48 ZAE 139.48 ETE 135.01 ZAC 103.11 ETC 25.55 CLP-116.49

PLANETOCENTRIC CONIC

C3 14.713 VHL 3.836 DLA -32.95 RAL 138.97 RAD 6567.6 VEL 11.666 PTH 2.05 VHP 3.467 DPA 40.50 RAP 167.29 ECC 1.2421
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.41 6 59 20 1251.95 24.58 353.08 4.05 112.66 7 20 12 651.9 27.43 345.18
 107.59 11 28 47 5679.20 24.60 267.04 4.06 112.64 13 3 26 5079.2 27.44 259.14
 72.41 6 59 20 1251.95 24.58 353.08 4.05 112.66 7 20 12 651.9 27.43 345.18
 107.59 11 28 47 5679.20 24.60 267.04 4.06 112.64 13 3 26 5079.2 27.44 259.14
 110.00 10 34 13 5847.13 18.98 277.10 1.14 118.98 12 11 40 5247.1 22.70 269.93
 110.00 12 53 4 5420.06 30.46 249.33 6.40 106.32 14 23 24 4820.1 32.39 240.65

DIFFERENTIAL CORRECTIONS

TDE -1.3119 TRA -.5820 TC3-2.3149 BAU .5032
 RDE .7890 RRA .0709 RC3 1.0886 FAU .13893
 FDE -5.5062 FRA -.5796 FC3-8.1752 BSP 9426
 BDE 1.5309 BRA .5863 BC3 2.5581 FSP -2712

MID-COURSE EXECUTION ACCURACY

SGT 2840.3 SGR 1450.0 SG3 898.1
 RRT -.9527 RRF -.9993 RTF .9594
 SGB 3189.0 R23 .2208 R13 -.9749
 SG1 3164.3 SG2 395.7 THA 153.62

ORBIT DETERMINATION ACCURACY

ST 1984.8 SR 1179.5 SS 2466.0
 CRT -.9922 CRS 1.0000 CST -.9928
 LSA 3372.6 MSA 193.9 SSA 1.5
 EL1 2305.4 EL2 126.9 ALF 149.37

LAUNCH DATE JUN 13 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 418.877

RL 151.93 LAL -.00 LOL 261.32 VL 26.887 GAL -1.05 AZL 95.05 HCA 189.90 SMA 129.58 ECC .17339 INC 5.0526 V1 29.325
 RP 107.65 LAP .87 LOP 91.19 VP 37.968 GAP 2.19 AZP 85.02 TAL 184.99 TAP 14.90 RCA 107.11 APO 152.05 V2 35.204
 RC 103.470 GL -41.96 GP 19.58 ZAL 100.90 ZAP 118.54 ETS 12.15 ZAE 143.57 ETE 147.17 ZAC 107.38 ETC 23.61 CLP-120.47

PLANETOCENTRIC CONIC

C3 12.538 VHL 3.541 DLA -29.73 RAL 141.80 RAD 6567.5 VEL 11.573 PTH 2.02 VHP 3.350 DPA 32.51 RAP 161.80 ECC 1.2064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.54 8 8 4 1036.02 23.10 336.17 3.48 109.26 8 25 20 436.0 25.51 328.22
 99.46 10 42 35 5825.40 23.10 277.43 3.48 109.25 12 19 41 5225.4 25.52 269.48
 100.00 10 20 31 607.90 21.23 304.01 2.73 111.55 10 30 39 7.9 23.97 296.29
 100.00 11 12 50 5728.75 25.00 270.93 4.16 106.95 12 48 19 5128.8 27.08 262.75
 110.00 9 44 12 722.48 13.35 308.50 358.59 121.77 9 56 15 122.5 17.45 301.79
 110.00 14 5 38 5186.93 33.63 231.93 6.21 96.51 15 32 5 4586.9 34.17 222.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.2750 TRA -.5180 TC3-3.0389 BAU .5290 SGT 3133.6 SGR 985.1 SG3 981.6 ST 2084.3 SR 777.6 SS 2448.6
 RDE .4803 RRA .0283 RC3 .8515 FAU .15457 RRT -.9563 RRF -.9976 RTF .9654 CRT -.9929 CRS 1.0000 CST -.9934
 FDE-5.2245 FRA -.3665 FC-10.6728 BSP 9964 SGB 3284.8 R23 .2297 R13 -.9715 LSA 3303.0 MSA 187.0 SSA 2.5
 BOE 1.3625 BRA .5188 BC3 3.1559 FSP -3101 SG1 3273.2 SG2 275.7 THA 163.14 EL1 2223.0 EL2 .86.7 ALF 159.64

LAUNCH DATE JUN 13 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 425.105

RL 151.93 LAL -.00 LOL 261.32 VL 26.868 GAL -.91 AZL 94.63 HCA 193.14 SMA 129.45 ECC .17432 INC 4.6311 V1 29.325
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.962 GAP 2.56 AZP 85.49 TAL 184.30 TAP 17.44 RCA 106.89 APO 152.02 V2 35.212
 RC 105.723 GL -39.64 GP 14.55 ZAL 100.23 ZAP 123.00 ETS 10.70 ZAE 144.02 ETE 155.85 ZAC 109.73 ETC 22.27 CLP-124.25

PLANETOCENTRIC CONIC

C3 11.559 VHL 3.400 DLA -28.07 RAL 144.01 RAD 6567.4 VEL 11.530 PTH 2.01 VHP 3.379 DPA 28.06 RAP 159.01 ECC 1.1902
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 1 11 876.53 20.01 323.27 3.22 110.46 9 15 47 276.5 22.62 315.57
 90.00 10 7 5 662.55 24.45 309.16 4.74 104.75 10 18 8 62.5 26.24 300.95
 100.00 9 27 59 789.85 16.27 315.25 1.55 115.43 9 41 8 189.9 19.56 308.00
 100.00 12 22 59 5512.50 28.41 255.79 5.70 99.70 13 54 51 4912.5 29.46 247.14
 110.00 9 31 4 780.13 11.26 311.66 358.70 122.49 9 44 4 180.1 15.46 305.08
 110.00 14 36 22 5094.98 34.11 224.80 6.40 92.32 16 1 17 4495.0 34.06 215.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.2891 TRA -.4638 TC3-3.5722 BAU .5600 SGT 3377.0 SGR 697.5 SG3 968.5 ST 2189.9 SR 560.1 SS 2358.0
 RDE .3323 RRA .0085 RC3 .6112 FAU .15262 RRT -.9511 RRF -.9918 RTF .9674 CRT -.9936 CRS 1.0000 CST -.9936
 FDE-4.7912 FRA -.1194 FC-11.4304 BSP 10473 SGB 3448.3 R23 .2205 R13 -.9702 LSA 3261.2 MSA 184.0 SSA 3.6
 BOE 1.3313 BRA .4639 BC3 3.6241 FSP -3059 SG1 3441.8 SG2 211.4 THA 168.84 EL1 2259.5 EL2 61.5 ALF 165.73

LAUNCH DATE JUN 13 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 431.314

RL 151.93 LAL -.00 LOL 261.32 VL 26.847 GAL -.75 AZL 94.37 HCA 196.38 SMA 129.31 ECC .17537 INC 4.3738 V1 29.325
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.955 GAP 2.94 AZP 85.80 TAL 183.55 TAP 19.93 RCA 106.64 APO 151.99 V2 35.220
 RC 107.975 GL -38.09 GP 11.41 ZAL 99.23 ZAP 126.90 ETS 9.71 ZAE 143.18 ETE 161.79 ZAC 111.11 ETC 21.27 CLP-127.77

PLANETOCENTRIC CONIC

C3 11.017 VHL 3.319 DLA -27.17 RAL 145.99 RAD 6567.4 VEL 11.507 PTH 2.00 VHP 3.458 DPA 25.24 RAP 157.43 ECC 1.1813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 31 16 990.74 17.14 330.41 3.34 112.89 8 47 46 390.7 20.09 322.98
 90.00 10 52 51 5816.48 26.45 277.76 6.34 100.50 12 29 48 5216.5 27.63 269.29
 100.00 9 16 34 844.37 14.65 318.48 2.16 116.35 9 30 38 244.4 18.07 311.36
 100.00 12 50 14 5438.08 29.15 250.38 6.81 96.94 14 20 52 4838.1 29.80 241.64
 110.00 9 28 24 807.19 10.26 313.12 359.61 122.79 9 41 51 207.2 14.51 306.60
 110.00 14 54 53 5048.03 34.18 221.13 7.18 90.15 16 19 1 4448.0 33.83 211.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.3272 TRA -.4158 TC3-4.0152 BAU .5946 SGT 3606.2 SGR 518.5 SG3 930.5 ST 2305.2 SR 435.5 SS 2272.2
 RDE .2522 RRA .0018 RC3 .4241 FAU .14622 RRT -.9364 RRF -.9772 RTF .9690 CRT -.9946 CRS .9999 CST -.9939
 FDE-4.4035 FRA .0728 FC-11.4904 BSP 11113 SGB 3643.2 R23 .1925 R13 -.9703 LSA 3261.0 MSA 180.5 SSA 4.7
 BOE 1.3510 BRA .4158 BC3 4.0375 FSP -2951 SG1 3638.8 SG2 180.4 THA 172.31 EL1 2345.6 EL2 44.4 ALF 169.36

LAUNCH DATE JUN 13 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 437.504

RL 151.93 LAL -.00 LOL 261.32 VL 26.825 GAL -.59 AZL 94.20 HCA 199.62 SMA 129.16 ECC .17655 INC 4.1997 V1 29.325
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.946 GAP 3.31 AZP 86.04 TAL 182.76 TAP 22.38 RCA 106.36 APO 151.97 V2 35.227
 RC 110.226 GL -36.94 GP 9.27 ZAL 98.02 ZAP 130.40 ETS 8.97 ZAE 141.89 ETE 165.92 ZAC 111.87 ETC 20.49 CLP-131.04

PLANETOCENTRIC CONIC

C3 10.686 VHL 3.269 DLA -26.69 RAL 147.92 RAD 6567.4 VEL 11.492 PTH 2.00 VHP 3.562 DPA 23.26 RAP 156.55 ECC 1.1759
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 25 42 1028.48 16.12 332.72 4.41 113.60 8 42 51 428.5 19.18 325.38
 90.00 11 13 45 5766.28 27.02 274.20 7.81 98.81 12 49 52 5166.3 27.96 265.66
 100.00 9 15 26 867.88 13.94 319.86 3.35 116.71 9 29 54 267.9 17.41 312.80
 100.00 13 6 43 5402.12 29.41 247.74 8.15 95.58 14 36 45 4802.1 29.88 238.97
 110.00 9 30 49 819.55 9.81 313.79 .93 122.91 9 44 29 219.5 14.07 307.29
 110.00 15 7 49 5023.21 34.17 219.19 8.38 89.00 16 31 32 4423.2 33.65 209.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.3778 TRA -.3660 TC3-4.3957 BAU .6292 SGT 3821.9 SGR 402.2 SG3 883.1 ST 2426.1 SR 359.0 SS 2195.4
 RDE .2048 RRA .0004 RC3 .2776 FAU .13802 RRT -.9035 RRF -.9450 RTF .9698 CRT -.9959 CRS .9997 CST -.9941
 FDE-4.0667 FRA .2399 FC-11.1814 BSP 11794 SGB 3843.0 R23 .1563 R13 -.9705 LSA 3286.8 MSA 177.6 SSA 5.9
 BOE 1.3930 BRA .3660 BC3 4.4045 FSP -2816 SG1 3839.2 SG2 171.6 THA 174.56 EL1 2452.3 EL2 32.2 ALF 171.62

LAUNCH DATE JUN 13 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 443.676

RL 151.93 LAL -.00 LOL 261.32 VL 26.801 GAL -.42 AZL 94.07 HCA 202.86 SMA 129.00 ECC .17785 INC 4.0734 V1 29.325
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.935 GAP 3.67 AZP 86.25 TAL 181.93 TAP 24.79 RCA 106.06 APO 151.95 V2 35.233
 RC 112.475 GL -36.02 GP 7.74 ZAL 96.63 ZAP 133.58 ETS 8.40 ZAE 140.47 ETE 168.86 ZAC 112.18 ETC 19.83 CLP-134.08

PLANETOCENTRIC CONIC

C3 10.480 VHL 3.237 DLA -26.49 RAL 149.85 RAD 6567.4 VEL 11.483 PTH 2.00 VHP 3.682 DPA 21.75 RAP 156.16 ECC 1.1725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 28 19 1041.58 15.76 333.51 5.91 113.83 8 45 40 441.6 18.85 326.20
 90.00 11 26 34 5745.27 27.23 272.69 9.43 98.08 13 2 19 5145.3 28.07 264.13
 100.00 9 19 32 876.13 13.68 320.35 4.90 116.84 9 34 9 276.1 17.18 313.30
 100.00 13 18 1 5385.96 29.52 246.55 9.73 94.96 14 47 47 4786.0 29.89 237.77
 110.00 9 36 19 823.47 9.66 314.00 2.54 122.95 9 50 3 223.5 13.94 307.51
 110.00 15 17 44 5011.38 34.15 218.27 9.89 88.45 16 41 15 4411.4 33.56 209.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4350 TRA -.3129 TC3-4.7235 BAU .6622 SGT 4023.2 SGR 327.4 SG3 832.6 ST 2548.3 SR 310.4 SS 2126.5
 RDE .1753 RRA .0020 RC3 .1612 FAU .12915 RRT -.8424 RRF -.8843 RTF .9703 CRT -.9973 CRS .9991 CST -.9943
 FDE-3.7728 FRA .3798 FC-10.6692 BSP 12443 SGB 4036.5 R23 .1211 R13 -.9707 LSA 3328.9 MSA 174.4 SSA 7.0
 BDE 1.4457 BRA .3129 BC3 4.7263 FSP -2662 SG1 4032.7 SG2 176.0 THA 176.07 EL1 2567.0 EL2 22.7 ALF 173.07

LAUNCH DATE JUN 13 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 449.829

RL 151.93 LAL -.00 LOL 261.32 VL 26.776 GAL -.23 AZL 93.98 HCA 206.11 SMA 128.83 ECC .17929 INC 3.9768 V1 29.325
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.923 GAP 4.04 AZP 86.43 TAL 181.05 TAP 27.16 RCA 105.74 APO 151.93 V2 35.239
 RC 114.720 GL -35.24 GP 6.59 ZAL 95.11 ZAP 136.50 ETS 7.93 ZAE 139.07 ETE 171.03 ZAC 112.15 ETC 19.25 CLP-136.91

PLANETOCENTRIC CONIC

C3 10.357 VHL 3.218 DLA -26.47 RAL 151.83 RAD 6567.4 VEL 11.478 PTH 2.00 VHP 3.812 DPA 20.53 RAP 156.14 ECC 1.1705
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 35 35 1041.28 15.77 333.50 7.72 113.83 8 52 56 441.3 18.86 326.18
 90.00 11 35 4 5740.83 27.27 272.38 11.23 97.93 13 10 45 5140.8 28.09 263.80
 100.00 9 26 59 875.26 13.71 320.30 6.71 116.82 9 41 34 275.3 17.20 313.24
 100.00 13 26 21 5382.08 29.54 246.27 11.51 94.81 14 56 3 4782.1 29.89 237.48
 110.00 9 43 56 822.08 9.71 313.92 4.36 122.94 9 57 38 222.1 13.98 307.43
 110.00 15 25 54 5008.03 34.15 218.01 11.66 88.30 16 49 22 4408.0 33.53 208.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.4940 TRA -.2524 TC3-5.0067 BAU .6933 SGT 4208.6 SGR 282.7 SG3 783.0 ST 2665.9 SR 279.0 SS 2061.9
 RDE .1567 RRA .0052 RC3 .0686 FAU .12054 RRT -.7478 RRF -.7884 RTF .9706 CRT -.9985 CRS .9979 CST -.9945
 FDE-3.5105 FRA .5047 FC-10.0757 BSP 13068 SGB 4218.0 R23 .0920 R13 -.9708 LSA 3377.4 MSA 170.8 SSA 8.1
 BDE 1.5022 BRA .2524 BC3 5.0072 FSP -2519 SG1 4213.9 SG2 187.4 THA 177.12 EL1 2680.4 EL2 15.3 ALF 174.03

LAUNCH DATE JUN 13 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 455.964

RL 151.93 LAL -.00 LOL 261.32 VL 26.750 GAL -.03 AZL 93.90 HCA 209.35 SMA 128.66 ECC .18086 INC 3.9003 V1 29.325
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.909 GAP 4.40 AZP 86.60 TAL 180.14 TAP 29.49 RCA 105.39 APO 151.93 V2 35.244
 RC 116.961 GL -34.54 GP 5.70 ZAL 93.45 ZAP 139.20 ETS 7.54 ZAE 137.74 ETE 172.67 ZAC 111.84 ETC 18.72 CLP-139.53

PLANETOCENTRIC CONIC

C3 10.299 VHL 3.209 DLA -26.56 RAL 153.87 RAD 6567.4 VEL 11.476 PTH 1.99 VHP 3.950 DPA 19.48 RAP 156.42 ECC 1.1695
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 46 6 1032.18 16.02 332.94 9.77 113.67 9 3 19 432.2 19.09 325.61
 90.00 11 40 50 5747.65 27.21 272.86 13.19 98.16 13 16 38 5147.6 28.06 264.30
 100.00 9 36 50 868.36 13.92 319.89 8.74 116.72 9 51 18 268.4 17.40 312.82
 100.00 13 32 48 5386.70 29.51 246.61 13.49 94.99 15 2 35 4786.7 29.89 237.82
 110.00 9 53 8 817.20 9.89 313.66 6.39 122.89 10 6 45 217.2 14.16 307.16
 110.00 15 33 0 5010.63 34.15 218.21 13.65 88.42 16 56 30 4410.6 33.56 209.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5652 TRA -.2474 TC3-5.3491 BAU .7365 SGT 4454.2 SGR 262.5 SG3 749.0 ST 2800.2 SR 260.9 SS 2019.2
 RDE .1461 RRA .0151 RC3 .0038 FAU .11668 RRT -.6430 RRF -.6732 RTF .9773 CRT -.9992 CRS .9967 CST -.9957
 FDE-3.3093 FRA .3926 FC3-9.8085 BSP 14138 SGB 4461.9 R23 .0569 R13 -.9774 LSA 3458.8 MSA 152.0 SSA 9.2
 BDE 1.5720 BRA .2478 BC3 5.3491 FSP -2529 SG1 4457.4 SG2 200.9 THA 177.83 EL1 2812.4 EL2 10.6 ALF 174.68

LAUNCH DATE JUN 13 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 462.079

RL 151.93 LAL -.00 LOL 261.32 VL 26.722 GAL .18 AZL 93.84 HCA 212.60 SMA 128.48 ECC .18257 INC 3.8377 V1 29.325
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.893 GAP 4.76 AZP 86.77 TAL 179.19 TAP 31.79 RCA 105.02 APO 151.93 V2 35.248
 RC 119.197 GL -33.88 GP 4.99 ZAL 91.69 ZAP 141.70 ETS 7.21 ZAE 136.50 ETE 173.94 ZAC 111.29 ETC 18.24 CLP-141.98

PLANETOCENTRIC CONIC

C3 10.294 VHL 3.208 DLA -26.75 RAL 155.99 RAD 6567.4 VEL 11.475 PTH 1.99 VHP 4.095 DPA 18.54 RAP 156.94 ECC 1.1694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 18 1016.27 16.45 331.98 12.04 113.38 9 16 15 416.3 19.48 324.61
 90.00 11 44 35 5763.36 27.05 273.99 15.32 98.71 13 20 38 5163.4 27.98 265.44
 100.00 9 48 36 857.04 14.27 319.23 10.99 116.55 10 2 53 257.0 17.72 312.14
 100.00 13 37 58 5397.82 29.44 247.43 15.65 95.41 15 7 56 4797.8 29.88 238.65
 110.00 10 3 37 809.90 10.16 313.27 8.59 122.81 10 17 7 209.9 14.42 306.75
 110.00 15 39 26 5017.73 34.16 218.77 15.85 88.75 17 3 4 4417.7 33.61 209.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6186 TRA -.1084 TC3-5.4365 BAU .7482 SGT 4535.6 SGR 253.2 SG3 687.0 ST 2893.1 SR 247.9 SS 1943.8
 RDE .1387 RRA .0144 RC3 -.0685 FAU .10345 RRT -.4953 RRF -.5308 RTF .9701 CRT -.9991 CRS .9929 CST -.9948
 FDE-3.0653 FRA .7229 FC3-8.7007 BSP 14114 SGB 4542.6 R23 .0566 R13 -.9702 LSA 3490.4 MSA 164.2 SSA 10.4
 BDE 1.6245 BRA .1093 BC3 5.4369 FSP -2211 SG1 4537.3 SG2 219.9 THA 178.41 EL1 2903.7 EL2 10.7 ALF 175.11

LAUNCH DATE JUN 13 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 468.174

RL 151.93 LAL -.00 LOL 261.32 VL 26.694 GAL .41 AZL 93.79 HCA 215.84 SMA 128.29 ECC .18441 INC 3.7854 V1 29.325
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.877 GAP 5.12 AZP 86.93 TAL 178.20 TAP 34.05 RCA 104.63 APO 151.94 V2 35.252
 RC 121.426 GL -33.24 GP 4.42 ZAL 89.82 ZAP 144.03 ETS 6.92 ZAE 135.38 ETE 174.94 ZAC 110.55 ETC 17.79 CLP-144.26

PLANETOCENTRIC CONIC

C3 10.338 VHL 3.215 DLA -26.99 RAL 158.19 RAD 6567.4 VEL 11.477 PTH 2.00 VHP 4.246 DPA 17.67 RAP 157.67 ECC 1.1701
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 14 50 994.73 17.03 330.66 14.52 112.97 9 31 25 394.7 20.00 323.24
 90.00 11 46 38 5786.62 26.80 275.64 17.59 99.50 13 23 5 5186.6 27.84 267.13
 100.00 10 1 56 842.56 14.71 318.38 13.42 116.32 10 15 59 242.6 18.13 311.25
 100.00 13 42 13 5414.03 29.33 248.62 17.98 96.03 15 12 27 4814.0 29.86 239.85
 110.00 10 15 8 801.10 10.49 312.79 10.97 122.72 10 28 29 201.1 14.73 306.26
 110.00 15 45 30 5028.25 34.18 219.59 18.24 89.23 17 9 18 4428.2 33.69 210.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6837 TRA -.0278 TC3-5.6096 BAU .7754 SGT 4692.3 SGR 256.6 SG3 645.4 ST 3002.4 SR 242.5 SS 1890.2
 RDE .1359 RRA .0200 RC3 -.1165 FAU .09630 RRT -.3809 RRF -.4114 RTF .9701 CRT -.9980 CRS .9889 CST -.9950
 FDE-2.8774 FRA .8077 FC3-8.0643 BSP 14568 SGB 4699.3 R23 .0444 R13 -.9702 LSA 3552.5 MSA 160.6 SSA 11.5
 BDE 1.6892 BRA .0343 BC3 5.6108 FSP -2057 SG1 4693.3 SG2 237.3 THA 178.80 EL1 3012.1 EL2 15.2 ALF 175.39

LAUNCH DATE JUN 13 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 474.250

RL 151.93 LAL -.00 LOL 261.32 VL 26.664 GAL .64 AZL 93.74 HCA 219.09 SMA 128.09 ECC .18640 INC 3.7407 V1 29.325
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.859 GAP 5.48 AZP 87.10 TAL 177.19 TAP 36.28 RCA 104.22 APO 151.97 V2 35.255
 RC 123.648 GL -32.59 GP 3.96 ZAL 87.86 ZAP 146.20 ETS 6.66 ZAE 134.35 ETE 175.74 ZAC 109.63 ETC 17.36 CLP-146.40

PLANETOCENTRIC CONIC

C3 10.429 VHL 3.229 DLA -27.28 RAL 160.48 RAD 6567.4 VEL 11.481 PTH 2.00 VHP 4.402 DPA 16.83 RAP 158.57 ECC 1.1716
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 32 40 967.64 17.74 328.99 17.21 112.44 9 48 48 367.6 20.63 321.51
 90.00 11 47 3 5817.26 26.44 277.81 19.99 100.53 13 24 0 5217.3 27.62 269.35
 100.00 10 16 37 825.64 15.22 317.38 16.03 116.04 10 30 23 225.6 18.59 310.22
 100.00 13 45 47 5434.49 29.18 250.12 20.46 96.81 15 16 22 4834.5 29.81 241.37
 110.00 10 27 31 791.44 10.84 312.27 13.51 122.62 10 40 42 191.4 15.07 305.72
 110.00 15 51 23 5041.46 34.18 220.62 20.80 89.84 17 15 25 4441.5 33.78 211.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7480 TRA .0634 TC3-5.7289 BAU .7991 SGT 4829.7 SGR 266.2 SG3 604.9 ST 3103.6 SR 241.6 SS 1837.2
 RDE .1359 RRA .0258 RC3 -.1553 FAU .08912 RRT -.2879 RRF -.3149 RTF .9698 CRT -.9959 CRS .9840 CST -.9952
 FDE-2.7051 FRA .8878 FC3-7.3983 BSP 15048 SGB 4837.0 R23 .0364 R13 -.9698 LSA 3611.2 MSA 157.0 SSA 12.5
 BDE 1.7533 BRA .0685 BC3 5.7310 FSP -1940 SG1 4830.3 SG2 254.9 THA 179.09 EL1 3112.9 EL2 21.7 ALF 175.57

LAUNCH DATE JUN 13 1967

FLIGHT TIME 170.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 480.306

RL 151.93 LAL -.00 LOL 261.32 VL 26.634 GAL .90 AZL 93.70 HCA 222.34 SMA 127.89 ECC .18855 INC 3.7017 V1 29.325
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.839 GAP 5.84 AZP 87.26 TAL 176.14 TAP 38.48 RCA 103.78 APO 152.01 V2 35.257
 RC 125.861 GL -31.93 GP 3.57 ZAL 85.82 ZAP 148.23 ETS 6.44 ZAE 133.42 ETE 176.39 ZAC 108.55 ETC 16.96 CLP-148.41

PLANETOCENTRIC CONIC

C3 10.568 VHL 3.251 DLA -27.59 RAL 162.85 RAD 6567.4 VEL 11.487 PTH 2.00 VHP 4.563 DPA 16.02 RAP 159.63 ECC 1.1739
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 53 7 934.09 18.60 326.90 20.11 111.74 10 8 42 334.1 21.39 319.34
 90.00 11 45 31 5856.17 25.92 280.55 22.50 101.81 13 23 7 5256.2 27.29 272.15
 100.00 10 32 29 806.90 15.77 316.27 18.81 115.73 10 45 56 206.9 19.11 309.06
 100.00 13 48 50 5458.60 28.97 251.88 23.09 97.71 15 19 49 4858.6 29.73 243.16
 110.00 10 40 34 781.47 11.21 311.73 16.20 122.51 10 53 36 181.5 15.42 305.15
 110.00 15 57 14 5056.79 34.18 221.82 23.53 90.55 17 21 31 4456.8 33.88 212.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8126 TRA .1632 TC3-5.8106 BAU .8214 SGT 4958.2 SGR 279.0 SG3 567.5 ST 3198.2 SR 244.4 SS 1785.9
 RDE .1382 RRA .0317 RC3 -.1852 FAU .08252 RRT -.2191 RRF -.2429 RTF .9696 CRT -.9929 CRS .9783 CST -.9954
 FDE-2.5488 FRA .9597 FC3-6.7599 BSP 15462 SGB 4966.1 R23 .0306 R13 -.9696 LSA 3668.0 MSA 153.5 SSA 13.6
 BDE 1.8179 BRA .1663 BC3 5.8136 FSP -1822 SG1 4958.6 SG2 272.2 THA 179.29 EL1 3207.4 EL2 28.9 ALF 175.66

LAUNCH DATE JUN 13 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 486.340

RL 151.93 LAL -.00 LOL 261.32 VL 26.603 GAL 1.16 AZL 93.67 HCA 225.58 SMA 127.69 ECC .19085 INC 3.6674 V1 29.325
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.819 GAP 6.20 AZP 87.43 TAL 175.07 TAP 40.65 RCA 103.32 APO 152.06 V2 35.258
 RC 128.066 GL -31.25 GP 3.24 ZAL 83.70 ZAP 150.14 ETS 6.25 ZAE 132.58 ETE 176.92 ZAC 107.34 ETC 16.58 CLP-150.30

PLANETOCENTRIC CONIC

C3 10.757 VHL 3.280 DLA -27.92 RAL 165.30 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 4.728 DPA 15.22 RAP 160.81 ECC 1.1770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 17 16 890.59 19.67 324.16 23.25 110.78 10 32 7 290.6 22.33 316.49
 90.00 11 40 54 618.83 25.17 306.16 25.07 103.42 11 51 13 18.8 26.77 297.86
 100.00 10 49 23 786.79 16.36 315.06 21.76 115.37 11 2 29 186.8 19.65 307.81
 100.00 13 51 29 5485.91 28.70 253.87 25.85 98.73 15 22 55 4885.9 29.61 245.18
 110.00 10 54 11 771.69 11.57 311.20 19.04 122.39 11 7 3 171.7 15.76 304.60
 110.00 16 3 10 5073.78 34.16 223.14 26.41 91.34 17 27 43 4473.8 33.97 213.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8796 TRA .2702 TC3-5.8596 BAU .8432 SGT 5083.3 SGR 293.2 SG3 533.3 ST 3289.4 SR 250.0 SS 1737.7
 RDE .1425 RRA .0376 RC3 -.2073 FAU .07647 RRT -.1711 RRF -.1925 RTF .9694 CRT -.9892 CRS .9721 CST -.9955
 FDE-2.4090 FRA 1.0226 FC3-6.1546 BSP 15888 SGB 5091.8 R23 .0265 R13 -.9694 LSA 3725.5 MSA 150.2 SSA 14.5
 BDE 1.8850 BRA .2728 BC3 5.8633 FSP -1717 SG1 5083.6 SG2 288.9 THA 179.43 EL1 3298.7 EL2 36.6 ALF 175.70

LAUNCH DATE JUN 13 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 492.353

RL 151.93 LAL -1.00 LOL 261.32 VL 26.572 GAL 1.44 AZL 93.64 HCA 228.83 SMA 127.49 ECC .19331 INC 3.6367 V1 29.325
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.797 GAP 6.56 AZP 87.60 TAL 173.97 TAP 42.80 RCA 102.84 APO 152.13 V2 35.259
 RC 130.261 GL -30.53 GP 2.96 ZAL 81.52 ZAP 151.95 ETS 6.07 ZAE 131.82 ETE 177.37 ZAC 106.01 ETC 16.21 CLP-152.09

PLANETOCENTRIC CONIC

C3 10.999 VHL 3.316 DLA -28.24 RAL 167.82 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 4.899 DPA 14.42 RAP 162.10 ECC 1.1810
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 50 48 818.74 21.34 319.55 26.74 109.06 11 4 27 218.7 23.75 311.71
 90.00 11 27 29 699.78 23.78 311.68 27.57 105.85 11 39 8 99.8 25.72 303.55
 100.00 11 7 11 765.71 16.97 313.80 24.87 114.98 11 19 57 165.7 20.20 306.49
 100.00 13 53 47 5516.09 28.37 256.05 28.74 99.83 15 25 43 4916.1 29.44 247.41
 110.00 11 8 11 762.56 11.90 310.70 22.01 122.28 11 20 54 162.6 16.08 304.08
 110.00 16 9 16 5092.00 34.12 224.56 29.44 92.18 17 34 8 4492.0 34.05 215.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9468 TRA .3867 TC3-5.8730 BAU .8642 SGT 5202.1 SGR 307.9 SG3 501.8 ST 3373.0 SR 257.8 SS 1690.2
 RDE .1484 RRA .0434 RC3 -.2225 FAU .07093 RRT -.1393 RRF -.1587 RTF .9693 CRT -.9848 CRS .9656 CST -.9957
 FDE-2.2810 FRA 1.0812 FC3-5.5831 BSP 16291 SGB 5211.2 R23 .0234 R13 -.9693 LSA 3778.7 MSA 147.5 SSA 15.4
 BDE 1.9525 BRA .3891 BC3 5.8772 FSP -1620 SG1 5202.3 SG2 304.9 THA 179.53 EL1 3382.6 EL2 44.6 ALF 175.70

LAUNCH DATE JUN 13 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 498.343

RL 151.93 LAL -1.00 LOL 261.32 VL 26.539 GAL 1.74 AZL 93.61 HCA 232.08 SMA 127.28 ECC .19596 INC 3.6088 V1 29.325
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.775 GAP 6.93 AZP 87.78 TAL 172.84 TAP 44.92 RCA 102.34 APO 152.22 V2 35.259
 RC 132.447 GL -29.79 GP 2.73 ZAL 79.29 ZAP 153.65 ETS 5.92 ZAE 131.14 ETE 177.74 ZAC 104.58 ETC 15.86 CLP-153.78

PLANETOCENTRIC CONIC

C3 11.298 VHL 3.361 DLA -28.55 RAL 170.41 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 5.074 DPA 13.62 RAP 163.50 ECC 1.1859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.17 10 47 19 868.90 22.68 323.70 30.23 107.83 11 1 48 268.9 24.90 315.72
 93.83 11 51 35 660.69 22.69 308.46 30.23 107.82 12 2 36 60.7 24.91 300.48
 100.00 11 25 47 743.99 17.59 312.48 28.13 114.56 11 38 11 144.0 20.76 305.12
 100.00 13 55 48 5548.87 27.97 258.40 31.73 101.00 15 28 17 4948.9 29.20 249.82
 110.00 11 22 26 754.54 12.19 310.26 25.11 122.19 11 35 0 154.5 16.35 303.63
 110.00 16 15 39 5111.09 34.06 226.05 32.61 93.06 17 40 50 4511.1 34.11 216.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0135 TRA .5128 TC3-5.8441 BAU .8834 SGT 5310.9 SGR 322.4 SG3 472.2 ST 3447.2 SR 267.3 SS 1642.0
 RDE .1559 RRA .0489 RC3 -.2318 FAU .06565 RRT -.1199 RRF -.1380 RTF .9690 CRT -.9800 CRS .9589 CST -.9959
 FDE-2.1619 FRA 1.1348 FC3-5.0305 BSP 16670 SGB 5320.6 R23 .0216 R13 -.9691 LSA 3824.8 MSA 145.4 SSA 16.2
 BDE 2.0195 BRA .5151 BC3 5.8487 FSP -1530 SG1 5311.0 SG2 320.0 THA 179.58 EL1 3457.1 EL2 53.0 ALF 175.65

LAUNCH DATE JUN 13 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 504.310

RL 151.93 LAL -1.00 LOL 261.32 VL 26.507 GAL 2.05 AZL 93.58 HCA 235.33 SMA 127.06 ECC .19879 INC 3.5834 V1 29.325
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.751 GAP 7.30 AZP 87.96 TAL 171.70 TAP 47.03 RCA 101.81 APO 152.32 V2 35.258
 RC 134.624 GL -29.00 GP 2.52 ZAL 77.01 ZAP 155.27 ETS 5.79 ZAE 130.52 ETE 178.05 ZAC 103.06 ETC 15.54 CLP-155.39

PLANETOCENTRIC CONIC

C3 11.660 VHL 3.415 DLA -28.85 RAL 173.05 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 5.255 DPA 12.81 RAP 164.97 ECC 1.1919
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.24 10 42 1 926.54 22.76 327.97 33.41 108.22 10 57 28 326.5 25.04 319.99
 95.76 12 17 56 616.17 22.78 305.23 33.41 108.20 12 28 12 16.2 25.05 297.25
 100.00 11 45 4 721.95 18.21 311.14 31.52 114.12 11 57 6 121.9 21.32 303.72
 100.00 13 57 34 5584.03 27.49 260.90 34.82 102.24 15 30 38 4984.0 28.90 252.39
 110.00 11 36 46 748.05 12.42 309.90 28.32 122.10 11 49 14 148.1 16.58 303.26
 110.00 16 22 22 5130.68 33.98 227.58 35.90 93.96 17 47 52 4530.7 34.16 218.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0799 TRA .6482 TC3-5.7811 BAU .9019 SGT 5413.8 SGR 336.3 SG3 444.9 ST 3511.7 SR 278.3 SS 1594.1
 RDE .1648 RRA .0541 RC3 -.2357 FAU .06083 RRT -.1102 RRF -.1272 RTF .9690 CRT -.9750 CRS .9523 CST -.9960
 FDE-2.0519 FRA 1.1837 FC3-4.5164 BSP 17028 SGB 5424.2 R23 .0202 R13 -.9690 LSA 3863.9 MSA 143.8 SSA 16.9
 BDE 2.0864 BRA .6504 BC3 5.7859 FSP -1447 SG1 5413.9 SG2 334.3 THA 179.61 EL1 3522.2 EL2 61.7 ALF 175.58

LAUNCH DATE JUN 13 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 510.253

RL 151.93 LAL -1.00 LOL 261.32 VL 26.474 GAL 2.37 AZL 93.56 HCA 238.58 SMA 126.85 ECC .20181 INC 3.5598 V1 29.325
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.726 GAP 7.67 AZP 88.14 TAL 170.53 TAP 49.11 RCA 101.25 APO 152.45 V2 35.256
 RC 136.791 GL -28.19 GP 2.34 ZAL 74.70 ZAP 156.81 ETS 5.69 ZAE 129.96 ETE 178.31 ZAC 101.45 ETC 15.23 CLP-156.92

PLANETOCENTRIC CONIC

C3 12.091 VHL 3.477 DLA -29.12 RAL 175.73 RAD 6567.5 VEL 11.553 PTH 2.02 VHP 5.442 DPA 11.99 RAP 166.53 ECC 1.1990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.92 10 42 3 968.55 22.80 331.08 36.70 108.61 10 58 11 368.6 25.14 323.12
 97.08 12 39 18 5877.43 22.82 281.17 36.70 108.60 14 17 16 5277.4 25.15 273.21
 100.00 12 4 55 699.81 18.82 309.78 35.05 113.66 12 16 35 99.8 21.86 302.30
 100.00 13 59 7 5621.40 26.92 263.54 38.00 103.51 15 32 49 5021.4 28.51 255.10
 110.00 11 51 2 743.51 12.59 309.66 31.63 122.85 12 3 26 143.5 16.73 303.00
 110.00 16 29 30 5150.46 33.88 229.11 39.30 94.86 17 55 20 4550.5 34.18 219.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1423 TRA .7974 TC3-5.6713 BAU .9175 SGT 5502.5 SGR 349.5 SG3 418.7 ST 3560.7 SR 290.2 SS 1542.4
 RDE .1749 RRA .0588 RC3 -.2352 FAU .05609 RRT -.1069 RRF -.1231 RTF .9685 CRT -.9696 CRS .9453 CST -.9962
 FDE-1.9447 FRA 1.2343 FC3-4.0159 BSP 17288 SGB 5513.6 R23 .0193 R13 -.9685 LSA 3888.5 MSA 143.7 SSA 17.4
 BDE 2.1494 BRA .7996 BC3 5.6761 FSP -1360 SG1 5502.7 SG2 347.5 THA 179.61 EL1 3571.8 EL2 70.8 ALF 175.48

LAUNCH DATE JUN 13 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 516.168

RL 151.93 LAL -.00 LOL 261.32 VL 26.440 GAL 2.72 AZL 93.54 HCA 241.82 SMA 126.64 ECC .20505 INC 3.5378 V1 29.325
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.700 GAP 8.06 AZP 88.33 TAL 169.35 TAP 51.17 RCA 100.67 APO 152.60 V2 35.254
 RC 138.949 GL -27.33 GP 2.19 ZAL 72.38 ZAP 158.28 ETS 5.60 ZAE 129.46 ETE 178.53 ZAC 99.77 ETC 14.94 CLP-158.39

PLANETOCENTRIC CONIC

C3 12.597 VHL 3.549 DLA -29.35 RAL 178.44 RAD 6567.5 VEL 11.575 PTH 2.02 VHP 5.634 DPA 11.15 RAP 168.14 ECC 1.2073
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.92 10 44 59 1002.61 22.79 333.58 40.08 109.02 11 1 42 402.6 25.18 325.64
 98.08 12 58 1 5860.82 22.80 279.94 40.09 109.00 14 35 42 5260.8 25.19 272.00
 100.00 12 25 13 677.87 19.42 308.42 38.69 113.19 12 36 31 77.9 22.39 300.88
 100.00 14 0 28 5660.79 26.26 266.28 41.24 104.81 15 34 48 5060.8 28.04 257.93
 110.00 12 5 5 741.33 12.67 309.54 35.02 122.02 12 17 26 141.3 16.81 302.87
 110.00 16 37 6 5170.09 33.75 230.63 42.81 95.75 18 3 16 4570.1 34.18 221.41

DIFFERENTIAL CORRECTIONS

TDE-2.2075 TRA .9526 TC3-5.5418 BAU .9341
 RDE .1865 RRA .0631 RC3 -.2304 FAU .05193
 FDE-1.8498 FRA 1.2755 FC3-3.5688 BSP 17622
 BOE 2.2153 BRA .9547 BC3 5.5466 FSP -1291

MID-COURSE EXECUTION ACCURACY

SGT 5593.5 SGR 361.9 SG3 395.1
 RRT -.1102 RRF -.1260 RTF .9685
 SGB 5605.1 R23 .0189 R13 -.9685
 SG1 5593.6 SG2 359.7 THA 179.59

ORBIT DETERMINATION ACCURACY

ST 3604.5 SR 303.1 SS 1494.4
 CRT -.9643 CRS .9389 CST -.9963
 LSA 3911.1 MSA 143.9 SSA 17.8
 EL1 3616.4 EL2 79.9 ALF 175.36

LAUNCH DATE JUN 13 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 522.057

RL 151.93 LAL -.00 LOL 261.32 VL 26.406 GAL 3.08 AZL 93.52 HCA 245.07 SMA 126.42 ECC .20852 INC 3.5172 V1 29.325
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.674 GAP 8.45 AZP 88.52 TAL 168.15 TAP 53.22 RCA 100.06 APO 152.78 V2 35.251
 RC 141.095 GL -26.45 GP 2.05 ZAL 70.04 ZAP 159.69 ETS 5.54 ZAE 129.00 ETE 178.72 ZAC 98.02 ETC 14.66 CLP-159.79

PLANETOCENTRIC CONIC

C3 13.189 VHL 3.632 DLA -29.55 RAL 181.17 RAD 6567.5 VEL 11.601 PTH 2.03 VHP 5.833 DPA 10.30 RAP 169.81 ECC 1.2171
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.17 10 49 58 1031.41 22.72 335.69 43.56 109.43 11 7 10 431.4 25.16 327.77
 98.83 13 14 49 5851.74 22.73 279.24 43.56 109.41 14 52 21 5251.7 25.17 271.32
 100.00 12 45 54 656.23 19.99 307.07 42.43 112.70 12 56 50 56.2 22.89 299.47
 100.00 14 1 34 5702.15 25.51 269.12 44.54 106.13 15 36 37 5102.1 27.48 260.87
 110.00 12 18 44 741.84 12.65 309.56 38.48 122.02 12 31 6 141.8 16.79 302.90
 110.00 16 45 14 5189.30 33.61 232.11 46.41 96.62 18 11 43 4589.3 34.16 222.91

DIFFERENTIAL CORRECTIONS

TDE-2.2708 TRA 1.1195 TC3-5.3792 BAU .9493
 RDE .1992 RRA .0667 RC3 -.2222 FAU .04800
 FDE-1.7600 FRA 1.3159 FC3-3.1506 BSP 17926
 BOE 2.2795 BRA 1.1214 BC3 5.3838 FSP -1224

MID-COURSE EXECUTION ACCURACY

SGT 5676.4 SGR 373.4 SG3 373.0
 RRT -.1179 RRF -.1332 RTF .9684
 SGB 5688.7 R23 .0187 R13 -.9684
 SG1 5676.6 SG2 370.8 THA 179.55

ORBIT DETERMINATION ACCURACY

ST 3635.8 SR 316.4 SS 1445.5
 CRT -.9590 CRS .9326 CST -.9964
 LSA 3922.7 MSA 145.2 SSA 18.0
 EL1 3648.5 EL2 89.3 ALF 175.23

LAUNCH DATE JUN 13 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 527.915

RL 151.93 LAL -.00 LOL 261.32 VL 26.372 GAL 3.46 AZL 93.50 HCA 248.32 SMA 126.20 ECC .21223 INC 3.4976 V1 29.325
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.646 GAP 8.84 AZP 88.71 TAL 166.94 TAP 55.25 RCA 99.42 APO 152.99 V2 35.247
 RC 143.232 GL -25.54 GP 1.93 ZAL 67.71 ZAP 161.04 ETS 5.50 ZAE 128.59 ETE 178.88 ZAC 96.21 ETC 14.41 CLP-161.14

PLANETOCENTRIC CONIC

C3 13.874 VHL 3.725 DLA -29.71 RAL 183.91 RAD 6567.5 VEL 11.630 PTH 2.04 VHP 6.039 DPA 9.44 RAP 171.53 ECC 1.2283
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.61 10 56 35 1056.25 22.58 337.48 47.11 109.84 11 14 11 456.3 25.08 329.58
 99.39 13 30 3 5848.98 22.59 278.99 47.11 109.83 15 7 32 5249.0 25.09 271.09
 100.00 13 6 54 634.90 20.54 305.72 46.27 112.20 13 17 29 34.9 23.38 298.07
 100.00 14 2 24 5745.57 24.66 272.07 47.87 107.46 15 38 9 5145.6 26.81 263.93
 110.00 12 31 53 745.37 12.52 309.76 41.98 122.07 12 44 19 145.4 16.67 303.10
 110.00 16 53 54 5207.86 33.46 233.54 50.09 97.45 18 20 42 4607.9 34.13 224.36

DIFFERENTIAL CORRECTIONS

TDE-2.3319 TRA 1.2977 TC3-5.1884 BAU .9632
 RDE .2132 RRA .0695 RC3 -.2113 FAU .04431
 FDE-1.6750 FRA 1.3539 FC3-2.7648 BSP 18205
 BOE 2.3416 BRA 1.2996 BC3 5.1927 FSP -1162

MID-COURSE EXECUTION ACCURACY

SGT 5752.2 SGR 384.0 SG3 352.3
 RRT -.1290 RRF -.1439 RTF .9683
 SGB 5765.0 R23 .0187 R13 -.9683
 SG1 5752.4 SG2 380.8 THA 179.50

ORBIT DETERMINATION ACCURACY

ST 3654.4 SR 330.0 SS 1396.1
 CRT -.9537 CRS .9263 CST -.9966
 LSA 3923.1 MSA 147.5 SSA 18.1
 EL1 3667.9 EL2 98.9 ALF 175.07

LAUNCH DATE JUN 13 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 533.742

RL 151.93 LAL -.00 LOL 261.32 VL 26.338 GAL 3.86 AZL 93.48 HCA 251.56 SMA 125.99 ECC .21621 INC 3.4788 V1 29.325
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.618 GAP 9.25 AZP 88.90 TAL 165.71 TAP 57.27 RCA 98.75 APO 153.23 V2 35.243
 RC 145.356 GL -24.61 GP 1.82 ZAL 65.38 ZAP 162.35 ETS 5.49 ZAE 128.21 ETE 179.01 ZAC 94.36 ETC 14.18 CLP-162.44

PLANETOCENTRIC CONIC

C3 14.666 VHL 3.830 DLA -29.82 RAL 186.64 RAD 6567.6 VEL 11.664 PTH 2.05 VHP 6.252 DPA 8.57 RAP 173.29 ECC 1.2414
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.23 11 4 31 1077.90 22.38 339.00 50.71 110.25 11 22 29 477.9 24.93 331.14
 99.77 13 43 52 5851.83 22.39 279.12 50.72 110.23 15 21 24 5251.8 24.94 271.25
 100.00 13 28 24 613.17 21.10 304.35 50.19 111.68 13 38 37 13.2 23.85 296.64
 100.00 14 2 40 5791.79 23.68 275.15 51.22 108.80 15 39 12 5191.8 26.03 267.14
 110.00 12 44 24 752.14 12.28 310.13 45.52 122.16 12 56 56 152.1 16.44 303.49
 110.00 17 3 9 5225.58 33.29 234.90 53.84 98.24 18 30 15 4625.6 34.07 225.74

DIFFERENTIAL CORRECTIONS

TDE-2.3876 TRA 1.4915 TC3-4.9628 BAU .9738
 RDE .2282 RRA .0715 RC3 -.1983 FAU .04067
 FDE-1.5912 FRA 1.3941 FC3-2.4010 BSP 18373
 BOE 2.3985 BRA 1.4932 BC3 4.9668 FSP -1096

MID-COURSE EXECUTION ACCURACY

SGT 5816.0 SGR 393.6 SG3 332.7
 RRT -.1421 RRF -.1565 RTF .9679
 SGB 5829.3 R23 .0185 R13 -.9679
 SG1 5816.2 SG2 389.5 THA 179.45

ORBIT DETERMINATION ACCURACY

ST 3656.4 SR 343.5 SS 1344.1
 CRT -.9481 CRS .9197 CST -.9966
 LSA 3907.8 MSA 151.2 SSA 18.0
 EL1 3670.9 EL2 108.8 ALF 174.91

LAUNCH DATE JUN 13 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 539.534

RL 151.93 LAL -.00 LOL 261.32 VL 26.303 GAL 4.29 AZL 93.46 HCA 254.81 SMA 125.77 ECC .22047 INC 3.4608 V1 29.325
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.589 GAP 9.67 AZP 89.09 TAL 164.47 TAP 59.28 RCA 98.04 APO 153.50 V2 35.237
 RC 147.469 GL -23.65 GP 1.72 ZAL 63.08 ZAP 163.60 ETS 5.52 ZAE 127.86 ETE 179.12 ZAC 92.45 ETC 13.96 CLP-163.69

PLANETOCENTRIC CONIC

C3 15.575 VHL 3.947 DLA -29.89 RAL 189.34 RAD 6567.6 VEL 11.703 PTH 2.06 VHP 6.475 DPA 7.68 RAP 175.09 ECC 1.2563
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.01 11 13 38 1096.72 22.10 340.29 54.37 110.65 11 31 55 496.7 24.71 332.47
 99.99 13 56 20 5859.98 22.11 279.61 54.37 110.64 15 33 59 5260.0 24.72 271.79
 100.00 13 53 3 5870.42 21.86 280.28 54.27 110.91 15 30 54 5270.4 24.51 272.49
 100.00 13 59 35 5849.56 22.36 278.94 54.47 110.37 15 37 5 5249.6 24.93 271.08
 110.00 12 56 10 762.35 11.91 310.69 49.07 122.28 13 8 53 162.4 16.08 304.07
 110.00 17 12 58 5242.35 33.12 236.18 57.65 98.98 18 40 20 4642.3 34.01 227.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4461 TRA 1.6925 TC3-4.7303 BAU .9857 SGT 5880.8 SGR 402.2 SG3 314.7 ST 3653.4 SR 356.9 SS 1296.0
 RDE .2445 RRA .0726 RC3 -.1836 FAU .03747 RRT -.1585 RRF -.1725 RTF .9679 CRT -.9427 CRS .9137 CST -.9968
 FDE-1.5170 FRA 1.4279 FC3-2.0829 BSP 18630 SGB 5894.6 R23 .0187 R13 -.9679 LSA 3889.7 MSA 155.2 SSA 17.8
 BDE 2.4583 BRA 1.6940 BC3 4.7339 FSP -1043 SG1 5881.2 SG2 397.1 THA 179.38 EL1 3668.9 EL2 118.5 ALF 174.73

LAUNCH DATE JUN 13 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 545.288

RL 151.93 LAL -.00 LOL 261.32 VL 26.268 GAL 4.73 AZL 93.44 HCA 258.05 SMA 125.55 ECC .22503 INC 3.4433 V1 29.325
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.559 GAP 10.10 AZP 89.29 TAL 163.23 TAP 61.28 RCA 97.30 APO 153.80 V2 35.231
 RC 149.570 GL -22.69 GP 1.64 ZAL 60.81 ZAP 164.82 ETS 5.58 ZAE 127.54 ETE 179.21 ZAC 90.51 ETC 13.77 CLP-164.91

PLANETOCENTRIC CONIC

C3 16.617 VHL 4.076 DLA -29.91 RAL 192.01 RAD 6567.7 VEL 11.747 PTH 2.07 VHP 6.706 DPA 6.78 RAP 176.93 ECC 1.2735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.94 11 23 45 1113.19 21.76 341.38 58.05 111.04 11 42 18 513.2 24.43 333.59
 100.06 14 7 31 5872.99 21.77 280.44 58.06 111.03 15 45 24 5273.0 24.44 272.65
 79.94 11 23 45 1113.19 21.76 341.38 58.05 111.04 11 42 18 513.2 24.43 333.59
 100.06 14 7 31 5872.99 21.77 280.44 58.06 111.03 15 45 24 5273.0 24.44 272.65
 110.00 13 7 8 776.07 11.41 311.44 52.62 122.44 13 20 4 176.1 15.61 304.85
 110.00 17 23 19 5258.11 32.95 237.37 61.51 99.66 18 50 57 4658.1 33.93 228.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5019 TRA 1.9071 TC3-4.4794 BAU .9958 SGT 5938.5 SGR 409.9 SG3 297.9 ST 3638.4 SR 369.7 SS 1248.1
 RDE .2618 RRA .0726 RC3 -.1679 FAU .03442 RRT -.1765 RRF -.1901 RTF .9679 CRT -.9373 CRS .9076 CST -.9969
 FDE-1.4462 FRA 1.4618 FC3-1.7933 BSP 18859 SGB 5952.6 R23 .0187 R13 -.9679 LSA 3860.9 MSA 160.0 SSA 17.5
 BDE 2.5155 BRA 1.9085 BC3 4.4825 FSP -992 SG1 5938.9 SG2 403.5 THA 179.30 EL1 3654.9 EL2 128.3 ALF 174.55

LAUNCH DATE JUN 13 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 551.002

RL 151.93 LAL -.00 LOL 261.32 VL 26.234 GAL 5.20 AZL 93.43 HCA 261.29 SMA 125.34 ECC .22994 INC 3.4263 V1 29.325
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.528 GAP 10.54 AZP 89.48 TAL 161.98 TAP 63.27 RCA 96.52 APO 154.15 V2 35.225
 RC 151.657 GL -21.71 GP 1.56 ZAL 58.58 ZAP 166.01 ETS 5.68 ZAE 127.25 ETE 179.29 ZAC 88.53 ETC 13.60 CLP-166.09

PLANETOCENTRIC CONIC

C3 17.810 VHL 4.220 DLA -29.89 RAL 194.64 RAD 6567.7 VEL 11.798 PTH 2.09 VHP 6.949 DPA 5.87 RAP 178.79 ECC 1.2931
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.02 11 34 51 1127.19 21.35 342.25 61.76 111.43 11 53 38 527.2 24.07 334.51
 99.98 14 17 22 602.96 21.36 303.70 61.77 111.41 14 27 25 3.0 24.08 295.96
 100.00 14 12 10 619.55 20.94 304.75 61.59 111.84 14 22 30 19.5 23.72 297.06
 100.00 14 22 44 5873.88 21.77 280.51 61.94 111.00 16 0 37 5273.9 24.44 272.72
 110.00 13 17 14 793.30 10.77 312.37 56.16 122.64 13 30 27 193.3 15.00 305.82
 110.00 17 34 9 5272.89 32.77 238.49 65.40 100.30 19 2 2 4672.9 33.85 229.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5559 TRA 2.1350 TC3-4.2160 BAU 1.0045 SGT 5990.0 SGR 416.7 SG3 282.1 ST 3613.7 SR 381.9 SS 1201.2
 RDE .2802 RRA .0716 RC3 -.1517 FAU .03154 RRT -.1962 RRF -.2091 RTF .9678 CRT -.9318 CRS .9014 CST -.9970
 FDE-1.3797 FRA 1.4950 FC3-1.5333 BSP 19070 SGB 6004.5 R23 .0187 R13 -.9678 LSA 3823.6 MSA 165.5 SSA 17.1
 BDE 2.5712 BRA 2.1362 BC3 4.2187 FSP -944 SG1 5990.6 SG2 408.6 THA 179.21 EL1 3631.2 EL2 138.0 ALF 174.37

LAUNCH DATE JUN 13 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 556.670

RL 151.93 LAL -.00 LOL 261.32 VL 26.199 GAL 5.70 AZL 93.41 HCA 264.53 SMA 125.12 ECC .23520 INC 3.4095 V1 29.325
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.497 GAP 11.00 AZP 89.68 TAL 160.72 TAP 65.26 RCA 95.69 APO 154.55 V2 35.217
 RC 153.730 GL -20.74 GP 1.49 ZAL 56.40 ZAP 167.16 ETS 5.85 ZAE 126.98 ETE 179.35 ZAC 86.53 ETC 13.44 CLP-167.24

PLANETOCENTRIC CONIC

C3 19.172 VHL 4.379 DLA -29.82 RAL 197.20 RAD 6567.8 VEL 11.856 PTH 2.10 VHP 7.203 DPA 4.95 RAP 180.67 ECC 1.3155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.25 11 46 51 1138.85 20.87 342.91 65.49 111.79 12 5 50 538.9 23.64 335.22
 99.75 14 25 51 625.87 20.88 305.20 65.49 111.78 14 36 17 25.9 23.65 297.51
 100.00 14 9 48 677.10 19.44 308.37 64.85 113.17 14 21 5 77.1 22.41 300.83
 100.00 14 45 34 5850.89 22.33 279.02 66.09 110.41 16 23 5 5250.9 24.90 271.17
 110.00 13 26 28 813.96 10.01 313.49 59.68 122.86 13 40 2 214.0 14.27 306.98
 110.00 17 45 24 5286.79 32.60 239.54 69.33 100.90 19 13 31 4686.8 33.76 230.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6083 TRA 2.3769 TC3-3.9434 BAU 1.0114 SGT 6035.4 SGR 422.5 SG3 267.4 ST 3580.0 SR 393.1 SS 1155.9
 RDE .2995 RRA .0692 RC3 -.1354 FAU .02881 RRT -.2171 RRF -.2292 RTF .9678 CRT -.9261 CRS .8952 CST -.9970
 FDE-1.3173 FRA 1.5278 FC3-1.3008 BSP 19258 SGB 6050.1 R23 .0186 R13 -.9678 LSA 3778.6 MSA 171.5 SSA 16.7
 BDE 2.6255 BRA 2.3779 BC3 3.9457 FSP -898 SG1 6036.1 SG2 412.4 THA 179.13 EL1 3598.5 EL2 147.6 ALF 174.18

LAUNCH DATE JUN 13 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 562.288

RL 151.93 LAL -.00 LOL 261.32 VL 26.164 GAL 6.23 AZL 93.39 HCA 267.77 SMA 124.90 ECC .24087 INC 3.3929 V1 29.325
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.465 GAP 11.49 AZP 89.87 TAL 159.47 TAP 67.24 RCA 94.82 APO 154.99 V2 35.210
 RC 155.789 GL -19.76 GP 1.43 ZAL 54.27 ZAP 168.28 ETS 6.08 ZAE 126.72 ETE 179.40 ZAC 84.49 ETC 13.31 CLP-168.37

PLANETOCENTRIC CONIC

C3 20.728 VHL 4.553 DLA -29.71 RAL 199.71 RAD 6567.8 VEL 11.921 PTH 2.12 VHP 7.469 DPA 4.03 RAP 182.58 ECC 1.3411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.63 11 59 43 1148.17 20.32 343.36 69.21 112.14 12 18 51 548.2 23.15 335.72
 99.37 14 32 56 653.67 20.34 307.03 69.21 112.13 14 43 49 53.7 23.16 299.39
 100.00 14 9 34 728.38 18.03 311.53 68.17 114.25 14 21 42 128.4 21.16 304.13
 100.00 15 5 46 5836.73 22.66 278.10 70.18 110.03 16 43 3 5236.7 25.18 270.21
 110.00 13 34 50 837.92 9.13 314.78 63.17 123.09 13 48 48 237.9 13.42 308.31
 110.00 17 56 59 5299.95 32.43 240.53 73.28 101.46 19 25 19 4699.9 33.67 231.51

DIFFERENTIAL CORRECTIONS

TDE-2.6565 TRA 2.6360 TC3-3.6613 BAU 1.0151
 RDE .3196 RRA .0655 RC3 -.1195 FAU .02615
 FDE-1.2568 FRA 1.5621 FC3-1.0922 BSP 19363
 BDE 2.6756 BRA 2.6368 BC3 3.6633 FSP -852

MID-COURSE EXECUTION ACCURACY

SGT 6072.7 SGR 427.4 SG3 253.6
 RRT -.2385 RRF -.2496 RTF .9677
 SGB 6087.7 R23 .0182 R13 -.9678
 SG1 6073.6 SG2 415.0 THA 179.03

ORBIT DETERMINATION ACCURACY

ST 3535.4 SR 403.2 SS 1111.0
 CRT -.9201 CRS .8884 CST -.9971
 LSA 3723.4 MSA 178.1 SSA 16.3
 EL1 3554.8 EL2 157.1 ALF 174.00

LAUNCH DATE JUN 13 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 567.850

RL 151.93 LAL -.00 LOL 261.32 VL 26.129 GAL 6.78 AZL 93.38 HCA 271.01 SMA 124.69 ECC .24698 INC 3.3764 V1 29.325
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.433 GAP 11.99 AZP 90.06 TAL 158.21 TAP 69.23 RCA 93.90 APO 155.49 V2 35.201
 RC 157.834 GL -18.79 GP 1.37 ZAL 52.21 ZAP 169.39 ETS 6.39 ZAE 126.48 ETE 179.44 ZAC 82.44 ETC 13.20 CLP-169.47

PLANETOCENTRIC CONIC

C3 22.503 VHL 4.744 DLA -29.55 RAL 202.13 RAD 6567.9 VEL 11.995 PTH 2.14 VHP 7.751 DPA 3.09 RAP 184.50 ECC 1.3703
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.17 12 13 33 1154.71 19.71 343.58 72.92 112.48 12 32 48 554.7 22.59 335.99
 98.83 14 38 28 686.77 19.73 309.22 72.93 112.46 14 49 54 86.8 22.60 301.63
 100.00 14 9 33 779.27 16.58 314.61 71.46 115.23 14 22 33 179.3 19.84 307.34
 100.00 15 25 8 5825.48 22.92 277.37 74.25 109.73 17 2 14 5225.5 25.40 269.45
 110.00 13 42 22 864.99 8.12 316.22 66.61 123.32 13 56 47 265.0 12.44 309.80
 110.00 18 8 49 5312.52 32.25 241.47 77.24 101.99 19 37 22 4712.5 33.57 232.48

DIFFERENTIAL CORRECTIONS

TDE-2.7068 TRA 2.9075 TC3-3.3845 BAU 1.0187
 RDE .3406 RRA .0605 RC3 -.1041 FAU .02373
 FDE-1.2026 FRA 1.5943 FC3 -.9130 BSP 19533
 BDE 2.7282 BRA 2.9081 BC3 3.3861 FSP -812

MID-COURSE EXECUTION ACCURACY

SGT 6107.0 SGR 431.3 SG3 240.7
 RRT -.2615 RRF -.2714 RTF .9679
 SGB 6122.3 R23 .0178 R13 -.9679
 SG1 6108.1 SG2 416.3 THA 178.94

ORBIT DETERMINATION ACCURACY

ST 3487.8 SR 412.2 SS 1069.7
 CRT -.9142 CRS .8821 CST -.9972
 LSA 3666.7 MSA 184.4 SSA 15.8
 EL1 3508.1 EL2 166.1 ALF 173.82

LAUNCH DATE JUN 13 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 573.349

RL 151.93 LAL -.00 LOL 261.32 VL 26.094 GAL 7.37 AZL 93.36 HCA 274.25 SMA 124.48 ECC .25357 INC 3.3599 V1 29.325
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.400 GAP 12.51 AZP 90.25 TAL 156.97 TAP 71.21 RCA 92.92 APO 156.04 V2 35.192
 RC 159.863 GL -17.83 GP 1.32 ZAL 50.20 ZAP 170.47 ETS 6.82 ZAE 126.24 ETE 179.47 ZAC 80.37 ETC 13.12 CLP-170.56

PLANETOCENTRIC CONIC

C3 24.531 VHL 4.953 DLA -29.37 RAL 204.48 RAD 6568.0 VEL 12.079 PTH 2.16 VHP 8.048 DPA 2.16 RAP 186.44 ECC 1.4037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.88 12 28 31 1157.77 19.05 343.51 76.62 112.78 12 47 49 557.8 21.97 335.98
 98.12 14 42 12 725.85 19.06 311.81 76.62 112.77 14 54 18 125.9 21.98 304.28
 100.00 14 9 34 830.43 15.07 317.66 74.73 116.12 14 23 25 230.4 18.46 310.51
 100.00 15 43 50 5816.47 23.13 276.78 78.31 109.49 17 20 47 5216.5 25.57 268.83
 110.00 13 49 5 894.94 6.99 317.81 70.01 123.55 14 4 0 294.9 11.36 311.44
 110.00 18 20 49 5324.72 32.08 242.37 81.20 102.50 19 49 33 4724.7 33.46 233.42

DIFFERENTIAL CORRECTIONS

TDE-2.7565 TRA 3.1957 TC3-3.1082 BAU 1.0198
 RDE .3624 RRA .0539 RC3 -.0896 FAU .02142
 FDE-1.1523 FRA 1.6272 FC3 -.7560 BSP 19677
 BDE 2.7802 BRA 3.1961 BC3 3.1095 FSP -775

MID-COURSE EXECUTION ACCURACY

SGT 6135.3 SGR 434.4 SG3 228.6
 RRT -.2852 RRF -.2939 RTF .9681
 SGB 6150.6 R23 .0173 R13 -.9682
 SG1 6136.5 SG2 416.3 THA 178.84

ORBIT DETERMINATION ACCURACY

ST 3434.6 SR 419.7 SS 1030.7
 CRT -.9081 CRS .8756 CST -.9973
 LSA 3605.3 MSA 190.7 SSA 15.4
 EL1 3455.7 EL2 174.7 ALF 173.65

LAUNCH DATE JUN 13 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 578.777

RL 151.93 LAL -.00 LOL 261.32 VL 26.060 GAL 8.00 AZL 93.34 HCA 277.48 SMA 124.27 ECC .26069 INC 3.3433 V1 29.325
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.367 GAP 13.07 AZP 90.44 TAL 155.73 TAP 73.21 RCA 91.87 APO 156.66 V2 35.183
 RC 161.876 GL -16.89 GP 1.28 ZAL 48.27 ZAP 171.53 ETS 7.41 ZAE 126.01 ETE 179.49 ZAC 78.28 ETC 13.06 CLP-171.63

PLANETOCENTRIC CONIC

C3 26.847 VHL 5.181 DLA -29.14 RAL 206.74 RAD 6568.1 VEL 12.175 PTH 2.18 VHP 8.364 DPA 1.22 RAP 188.39 ECC 1.4418
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.81 12 44 53 1156.44 18.32 343.09 80.29 113.07 13 4 9 556.4 21.29 335.61
 97.19 14 43 51 771.77 18.33 314.88 80.30 113.06 14 56 43 171.8 21.30 307.40
 100.00 14 9 31 882.00 13.50 320.69 77.96 116.92 14 24 13 282.0 17.01 313.65
 100.00 16 1 54 5809.48 23.29 276.32 82.35 109.29 17 38 44 5209.5 25.70 268.35
 110.00 13 55 3 927.53 5.76 319.54 73.37 123.75 14 10 31 327.5 10.16 313.20
 110.00 18 32 51 5336.72 31.90 243.26 85.16 103.00 20 1 48 4736.7 33.35 234.34

DIFFERENTIAL CORRECTIONS

TDE-2.8062 TRA 3.5015 TC3-2.8368 BAU 1.0186
 RDE .3848 RRA .0457 RC3 -.0762 FAU .01922
 FDE-1.1057 FRA 1.6610 FC3 -.6198 BSP 19810
 BDE 2.8324 BRA 3.5018 BC3 2.8378 FSP -739

MID-COURSE EXECUTION ACCURACY

SGT 6158.2 SGR 436.6 SG3 217.4
 RRT -.3094 RRF -.3168 RTF .9685
 SGB 6173.6 R23 .0165 R13 -.9685
 SG1 6159.7 SG2 415.1 THA 178.74

ORBIT DETERMINATION ACCURACY

ST 3377.2 SR 425.8 SS 994.3
 CRT -.9019 CRS .8691 CST -.9974
 LSA 3540.7 MSA 196.9 SSA 14.9
 EL1 3399.0 EL2 182.8 ALF 173.49

LAUNCH DATE JUN 13 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 584.125

RL 151.93 LAL -0.00 LOL 261.32 VL 26.025 GAL 8.67 AZL 93.33 HCA 280.71 SMA 124.06 ECC .26840 INC 3.3264 V1 29.325
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.334 GAP 13.65 AZP 90.62 TAL 154.50 TAP 75.21 RCA 90.76 APO 157.36 V2 35.172
 RC 163.875 GL -15.95 GP 1.23 ZAL 46.41 ZAP 172.59 ETS 8.21 ZAE 125.79 ETE 179.51 ZAC 76.19 ETC 13.02 CLP-172.69

PLANETOCENTRIC CONIC

C3 29.498 VHL 5.431 DLA -28.89 RAL 208.90 RAD 6568.2 VEL 12.283 PTH 2.21 VHP 8.699 DPA .28 RAP 190.35 ECC 1.4855
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.03 13 3 20 1148.37 17.54 342.15 83.93 113.33 13 22 28 548.4 20.55 334.72
 95.97 14 42 42 826.80 17.55 318.58 83.94 113.32 14 56 29 226.8 20.56 311.16
 100.00 14 9 23 934.03 11.88 323.70 81.15 117.63 14 24 57 334.0 15.49 316.76
 100.00 16 19 20 5804.41 23.40 275.99 86.36 109.15 17 56 5 5204.4 25.80 268.01
 110.00 14 0 19 962.50 4.44 321.37 76.67 123.93 14 16 22 362.5 8.86 315.08
 110.00 18 44 53 5348.70 31.71 244.15 89.11 103.49 20 14 1 4748.7 33.24 235.25

DIFFERENTIAL CORRECTIONS

TDE-2.8528 TRA 3.8295 TC3-2.5671 BAU 1.0127
 RDE .4077 RRA .0356 RC3 -.0641 FAU .01705
 FDE-1.0610 FRA 1.6974 FC3 -.5003 BSP 19841
 BDE 2.8818 BRA 3.8297 BC3 2.5679 FSP -701

MID-COURSE EXECUTION ACCURACY

SGT 6174.4 SGR 437.8 SG3 206.8
 RRT -.3337 RRF -.3394 RTF .9688
 SGB 6189.9 R23 .0155 R13 -.9689
 SG1 6176.1 SG2 412.6 THA 178.64

ORBIT DETERMINATION ACCURACY

ST 3313.6 SR 430.3 SS 959.5
 CRT -.8952 CRS .8620 CST -.9974
 LSA 3470.5 MSA 203.1 SSA 14.5
 EL1 3336.0 EL2 190.5 ALF 173.35

LAUNCH DATE JUN 13 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 589.381

RL 151.93 LAL -0.00 LOL 261.32 VL 25.991 GAL 9.39 AZL 93.31 HCA 283.95 SMA 123.85 ECC .27677 INC 3.3092 V1 29.325
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.300 GAP 14.27 AZP 90.80 TAL 153.29 TAP 77.23 RCA 89.58 APO 158.13 V2 35.162
 RC 165.860 GL -15.04 GP 1.20 ZAL 44.63 ZAP 173.63 ETS 9.34 ZAE 125.56 ETE 179.51 ZAC 74.09 ETC 13.01 CLP-173.74

PLANETOCENTRIC CONIC

C3 32.535 VHL 5.704 DLA -28.61 RAL 210.97 RAD 6568.3 VEL 12.406 PTH 2.24 VHP 9.058 DPA -.65 RAP 192.32 ECC 1.5354
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.76 13 25 45 1127.29 16.71 340.22 87.54 113.56 13 44 32 527.3 19.76 332.85
 94.24 14 36 49 897.12 16.73 323.38 87.55 113.55 14 51 46 297.1 19.77 316.00
 100.00 14 9 6 986.51 10.21 326.69 84.30 118.25 14 25 33 386.5 13.90 319.86
 100.00 16 36 8 5801.18 23.47 275.77 90.35 109.06 18 12 49 5201.2 25.86 267.78
 110.00 14 4 56 999.63 3.02 323.32 79.93 124.07 14 21 36 399.6 7.48 317.06
 110.00 18 56 48 5360.82 31.51 245.04 93.03 103.99 20 26 9 4760.8 33.11 236.18

DIFFERENTIAL CORRECTIONS

TDE-2.9044 TRA 4.1740 TC3-2.3115 BAU 1.0057
 RDE .4312 RRA .0239 RC3 -.0531 FAU .01506
 FDE-1.0221 FRA 1.7334 FC3 -.4007 BSP 19950
 BDE 2.9363 BRA 4.1741 BC3 2.3121 FSP -670

MID-COURSE EXECUTION ACCURACY

SGT 6186.5 SGR 438.2 SG3 197.0
 RRT -.3590 RRF -.3631 RTF .9695
 SGB 6202.0 R23 .0145 R13 -.9695
 SG1 6188.5 SG2 408.9 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 3251.3 SR 433.2 SS 928.8
 CRT -.8887 CRS .8554 CST -.9976
 LSA 3402.5 MSA 208.4 SSA 14.0
 EL1 3274.1 EL2 197.2 ALF 173.22

LAUNCH DATE JUN 13 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 594.530

RL 151.93 LAL -0.00 LOL 261.32 VL 25.957 GAL 10.15 AZL 93.29 HCA 287.17 SMA 123.65 ECC .28587 INC 3.2914 V1 29.325
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.266 GAP 14.93 AZP 90.97 TAL 152.09 TAP 79.27 RCA 88.30 APO 159.00 V2 35.151
 RC 167.829 GL -14.15 GP 1.16 ZAL 42.92 ZAP 174.67 ETS 10.98 ZAE 125.34 ETE 179.52 ZAC 71.99 ETC 13.03 CLP-174.79

PLANETOCENTRIC CONIC

C3 36.024 VHL 6.002 DLA -28.30 RAL 212.95 RAD 6568.4 VEL 12.546 PTH 2.27 VHP 9.443 DPA -1.58 RAP 194.29 ECC 1.5929
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 14 0 21 1066.43 15.07 335.01 90.75 114.26 14 18 7 466.4 18.22 327.75
 90.00 14 17 57 1009.39 16.64 331.56 91.47 113.25 14 34 46 409.4 19.64 324.17
 100.00 14 8 42 1039.40 8.49 329.68 87.40 118.77 14 26 1 439.4 12.26 322.93
 100.00 16 52 17 5799.68 23.50 275.67 94.29 109.02 18 28 57 5199.7 25.88 267.68
 110.00 14 8 56 1038.67 1.53 325.36 83.13 124.15 14 26 14 438.7 6.00 319.13
 110.00 19 8 33 5373.18 31.31 245.94 96.94 104.48 20 38 6 4773.2 32.98 237.12

DIFFERENTIAL CORRECTIONS

TDE-2.9579 TRA 4.5407 TC3-2.0654 BAU .9949
 RDE .4551 RRA .0103 RC3 -.0435 FAU .01314
 FDE -.9868 FRA 1.7713 FC3 -.3159 BSP 20041
 BDE 2.9927 BRA 4.5408 BC3 2.0658 FSP -640

MID-COURSE EXECUTION ACCURACY

SGT 6193.2 SGR 437.7 SG3 187.7
 RRT -.3846 RRF -.3871 RTF .9703
 SGB 6208.7 R23 .0134 R13 -.9703
 SG1 6195.5 SG2 403.9 THA 178.44

ORBIT DETERMINATION ACCURACY

ST 3187.4 SR 434.5 SS 901.0
 CRT -.8822 CRS .8490 CST -.9977
 LSA 3333.9 MSA 213.0 SSA 13.6
 EL1 3210.5 EL2 203.1 ALF 173.12

LAUNCH DATE JUN 13 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 599.556

RL 151.93 LAL -0.00 LOL 261.32 VL 25.924 GAL 10.97 AZL 93.27 HCA 290.40 SMA 123.45 ECC .29578 INC 3.2731 V1 29.325
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.232 GAP 15.64 AZP 91.14 TAL 150.93 TAP 81.33 RCA 86.94 APO 159.97 V2 35.139
 RC 169.783 GL -13.28 GP 1.13 ZAL 41.30 ZAP 175.69 ETS 13.51 ZAE 125.10 ETE 179.51 ZAC 69.89 ETC 13.07 CLP-175.84

PLANETOCENTRIC CONIC

C3 40.041 VHL 6.328 DLA -27.97 RAL 214.82 RAD 6568.5 VEL 12.705 PTH 2.31 VHP 9.857 DPA -2.50 RAP 196.26 ECC 1.6590
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 37 38 1191.25 11.45 342.39 92.96 116.07 13 57 30 591.2 14.87 335.38
 90.00 14 55 36 938.00 18.50 327.15 96.20 111.83 15 11 14 338.0 21.30 319.59
 100.00 14 8 7 1092.68 6.73 332.66 90.46 119.19 14 26 20 492.7 10.57 325.98
 100.00 17 7 48 5799.84 23.50 275.68 98.19 109.02 18 44 28 5199.8 25.88 267.69
 110.00 14 12 21 1079.40 -.02 327.48 86.29 124.18 14 30 20 479.4 4.46 321.27
 110.00 19 20 4 5385.88 31.09 246.87 100.80 104.99 20 49 49 4785.9 32.83 238.08

DIFFERENTIAL CORRECTIONS

TDE-3.0136 TRA 4.9322 TC3-1.8298 BAU .9797
 RDE .4794 RRA -.0054 RC3 -.0352 FAU .01129
 FDE -.9549 FRA 1.8119 FC3 -.2441 BSP 20106
 BDE 3.0515 BRA 4.9322 BC3 1.8302 FSP -611

MID-COURSE EXECUTION ACCURACY

SGT 6195.0 SGR 436.4 SG3 179.0
 RRT -.4104 RRF -.4112 RTF .9713
 SGB 6210.3 R23 .0121 R13 -.9713
 SG1 6197.6 SG2 397.8 THA 178.34

ORBIT DETERMINATION ACCURACY

ST 3122.8 SR 434.1 SS 876.1
 CRT -.8756 CRS .8425 CST -.9978
 LSA 3265.1 MSA 217.0 SSA 13.1
 EL1 3146.0 EL2 208.2 ALF 173.03

LAUNCH DATE JUN 13 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 604.440

RL 151.93 LAL -.00 LOL 261.32 VL 25.891 GAL 11.85 AZL 93.25 HCA 293.63 SMA 123.25 ECC .30662 INC 3.2540 V1 29.325
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.198 GAP 16.40 AZP 91.31 TAL 149.80 TAP 83.43 RCA 85.46 APO 161.05 V2 35.128
 RC 171.722 GL -12.43 GP 1.10 ZAL 39.76 ZAP 176.71 ETS 17.75 ZAE 124.85 ETE 179.50 ZAC 67.80 ETC 13.14 CLP-176.90

PLANETOCENTRIC CONIC

C3 44.681 VHL 6.684 DLA -27.62 RAL 216.59 RAD 6568.7 VEL 12.886 PTH 2.35 VHP 10.305 DPA -3.42 RAP 198.23 ECC 1.7353
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 28 27 1272.06 9.00 347.06 95.66 116.96 13 49 39 672.1 12.54 340.17
 90.00 15 18 54 912.47 19.14 325.54 100.33 111.27 15 34 6 312.5 21.86 317.93
 100.00 14 7 22 1146.29 4.94 335.63 93.46 119.52 14 26 28 546.3 8.83 329.01
 100.00 17 22 40 5801.51 23.46 275.79 102.04 109.07 18 59 22 5201.5 25.85 267.81
 110.00 14 15 13 1121.60 -1.64 329.68 89.38 124.15 14 33 55 521.6 2.85 323.48
 110.00 19 31 18 5398.96 30.85 247.81 104.62 105.51 21 1 17 4799.0 32.67 239.06

DIFFERENTIAL CORRECTIONS

TDE-3.0697 TRA 5.3534 TC3-1.6031 BAU .9578
 RDE .5039 RRA -.0233 RC3 -.0283 FAU .00943
 FDE -.9253 FRA 1.8566 FC3 -.1827 BSP 20081
 BDE 3.1108 BRA 5.3534 BC3 1.6034 FSP -581

MID-COURSE EXECUTION ACCURACY

SGT 6191.6 SGR 434.2 SG3 170.9
 RRT -.4360 RRF -.4352 RTF .9724
 SGB 6206.8 R23 .0106 R13 -.9724
 SG1 6194.5 SG2 390.6 THA 178.24

ORBIT DETERMINATION ACCURACY

ST 3056.3 SR 432.0 SS 853.7
 CRT -.8687 CRS .8358 CST -.9979
 LSA 3195.0 MSA 220.3 SSA 12.7
 EL1 3079.4 EL2 212.4 ALF 172.97

LAUNCH DATE JUN 13 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 609.153

RL 151.93 LAL -.00 LOL 261.32 VL 25.858 GAL 12.80 AZL 93.23 HCA 296.85 SMA 123.06 ECC .31849 INC 3.2339 V1 29.325
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.163 GAP 17.22 AZP 91.46 TAL 148.71 TAP 85.56 RCA 83.87 APO 162.25 V2 35.116
 RC 173.647 GL -11.60 GP 1.07 ZAL 38.31 ZAP 177.70 ETS 25.95 ZAE 124.58 ETE 179.49 ZAC 65.73 ETC 13.25 CLP-177.97

PLANETOCENTRIC CONIC

C3 50.060 VHL 7.075 DLA -27.25 RAL 218.25 RAD 6568.8 VEL 13.093 PTH 2.39 VHP 10.791 DPA -4.32 RAP 200.19 ECC 1.8239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 22 2 1343.51 6.77 351.12 98.42 117.56 13 44 26 743.5 10.41 344.33
 90.00 15 38 35 897.95 19.50 324.63 104.29 110.95 15 53 33 298.0 22.17 316.98
 100.00 14 6 24 1200.18 3.12 338.60 96.42 119.74 14 26 24 600.2 7.06 332.03
 100.00 17 36 54 5804.55 23.40 275.99 105.82 109.16 19 13 39 5204.6 25.79 268.02
 110.00 14 17 35 1165.09 -3.30 331.96 92.43 124.04 14 37 0 565.1 1.19 325.75
 110.00 19 42 13 5412.41 30.60 248.78 108.38 106.03 21 12 26 4812.4 32.49 240.07

DIFFERENTIAL CORRECTIONS

TDE-3.1344 TRA 5.8000 TC3-1.3926 BAU .9321
 RDE .5288 RRA -.0434 RC3 -.0226 FAU .00768
 FDE -.9010 FRA 1.9032 FC3 -.1329 BSP 20134
 BDE 3.1786 BRA 5.8001 BC3 1.3928 FSP -556

MID-COURSE EXECUTION ACCURACY

SGT 6183.5 SGR 431.2 SG3 163.3
 RRT -.4622 RRF -.4599 RTF .9737
 SGB 6198.5 R23 .0092 R13 -.9737
 SG1 6186.7 SG2 382.2 THA 178.15

ORBIT DETERMINATION ACCURACY

ST 2993.0 SR 428.4 SS 835.4
 CRT -.8623 CRS .8300 CST -.9980
 LSA 3128.8 MSA 222.4 SSA 12.3
 EL1 3015.8 EL2 215.3 ALF 172.93

LAUNCH DATE JUN 13 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 17 1968

HELIOCENTRIC CONIC

DISTANCE 613.665

RL 151.93 LAL -.00 LOL 261.32 VL 25.826 GAL 13.84 AZL 93.21 HCA 300.07 SMA 122.87 ECC .33154 INC 3.2127 V1 29.325
 RP 107.96 LAP 2.78 LOP 201.43 VP 37.129 GAP 18.11 AZP 91.61 TAL 147.67 TAP 87.74 RCA 82.14 APO 163.61 V2 35.103
 RC 175.555 GL -10.79 GP 1.05 ZAL 36.95 ZAP 178.59 ETS 45.90 ZAE 124.29 ETE 179.48 ZAC 63.67 ETC 13.38 CLP-179.05

PLANETOCENTRIC CONIC

C3 56.322 VHL 7.505 DLA -26.86 RAL 219.81 RAD 6569.0 VEL 13.330 PTH 2.44 VHP 11.320 DPA -5.20 RAP 202.15 ECC 1.9269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 16 51 1410.50 4.64 354.90 101.17 117.97 13 40 21 810.5 8.35 348.18
 90.00 15 56 11 889.33 19.71 324.08 108.12 110.76 16 11 0 289.3 22.35 316.41
 100.00 14 5 12 1254.30 1.29 341.58 99.32 119.87 14 26 7 654.3 5.26 335.03
 100.00 17 50 31 5808.80 23.30 276.27 109.53 109.27 19 27 20 5208.8 25.72 268.31
 110.00 14 19 25 1209.67 -4.99 334.29 95.41 123.86 14 39 35 609.7 -.51 328.07
 110.00 19 52 47 5426.19 30.34 249.77 112.08 106.56 21 23 13 4826.2 32.31 241.11

DIFFERENTIAL CORRECTIONS

TDE-3.2050 TRA 6.2787 TC3-1.1949 BAU .8998
 RDE .5538 RRA -.0657 RC3 -.0180 FAU .00596
 FDE -.8804 FRA 1.9540 FC3 -.0917 BSP 20171
 BDE 3.2525 BRA 6.2791 BC3 1.1950 FSP -532

MID-COURSE EXECUTION ACCURACY

SGT 6170.5 SGR 427.4 SG3 156.2
 RRT -.4885 RRF -.4848 RTF .9752
 SGB 6185.3 R23 .0076 R13 -.9752
 SG1 6174.0 SG2 372.7 THA 178.05

ORBIT DETERMINATION ACCURACY

ST 2930.6 SR 423.2 SS 820.3
 CRT -.8562 CRS .8246 CST -.9982
 LSA 3064.4 MSA 223.4 SSA 11.8
 EL1 2953.1 EL2 217.0 ALF 172.91

LAUNCH DATE JUN 13 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 19 1968

HELIOCENTRIC CONIC

DISTANCE 617.938

RL 151.93 LAL -.00 LOL 261.32 VL 25.794 GAL 14.96 AZL 93.19 HCA 303.29 SMA 122.69 ECC .34591 INC 3.1901 V1 29.325
 RP 107.99 LAP 2.67 LOP 204.65 VP 37.096 GAP 19.08 AZP 91.75 TAL 146.69 TAP 89.98 RCA 80.25 APO 165.13 V2 35.091
 RC 177.448 GL -10.01 GP 1.03 ZAL 35.69 ZAP 178.96 ETS 96.66 ZAE 123.98 ETE 179.46 ZAC 61.64 ETC 13.55 CLP 179.84

PLANETOCENTRIC CONIC

C3 63.644 VHL 7.978 DLA -26.45 RAL 221.25 RAD 6569.2 VEL 13.601 PTH 2.49 VHP 11.900 DPA -6.06 RAP 204.08 ECC 2.0474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 12 16 1474.85 2.58 358.50 103.89 118.21 13 36 50 874.8 6.33 351.83
 90.00 16 12 18 884.50 19.82 323.78 111.83 110.65 16 27 3 284.5 22.45 316.09
 100.00 14 3 44 1308.58 -.55 344.55 102.16 119.89 14 25 33 708.6 3.43 338.03
 100.00 18 3 30 5814.04 23.18 276.62 113.15 109.42 19 40 24 5214.0 25.62 268.67
 110.00 14 20 46 1255.16 -6.71 336.69 98.34 123.60 14 41 41 655.2 -2.25 330.45
 110.00 20 2 58 5440.23 30.06 250.77 115.69 107.09 21 33 39 4840.2 32.11 242.15

DIFFERENTIAL CORRECTIONS

TDE-3.2822 TRA 6.7937 TC3-1.0090 BAU .8586
 RDE .5790 RRA -.0905 RC3 -.0145 FAU .00424
 FDE -.8634 FRA 2.0098 FC3 -.0577 BSP 20282
 BDE 3.3329 BRA 6.7943 BC3 1.0091 FSP -509

MID-COURSE EXECUTION ACCURACY

SGT 6152.2 SGR 422.8 SG3 149.5
 RRT -.5147 RRF -.5098 RTF .9769
 SGB 6166.7 R23 .0061 R13 -.9769
 SG1 6156.0 SG2 362.2 THA 177.97

ORBIT DETERMINATION ACCURACY

ST 2869.2 SR 416.4 SS 808.6
 CRT -.8502 CRS .8196 CST -.9983
 LSA 3001.6 MSA 223.3 SSA 11.4
 EL1 2891.1 EL2 217.5 ALF 172.92

LAUNCH DATE JUN 14 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 23 1967

HELIOCENTRIC CONIC

DISTANCE 157.674

RL 151.94 LAL -.00 LOL 262.28 VL 22.166 GAL 1.73 AZL 93.56 HCA 62.69 SMA 105.70 ECC .43833 INC 3.5559 V1 29.322
 RP 108.92 LAP -3.16 LOP 324.92 VP 34.370 GAP -25.94 AZP 91.63 TAL 177.78 TAP 240.47 RCA 59.37 APO 152.03 V2 34.791
 RC 44.000 GL -10.77 GP -.78 ZAL 86.12 ZAP 14.56 ETS 177.40 ZAE 169.56 ETE 92.28 ZAC 105.60 ETC 14.97 CLP 14.54

PLANETOCENTRIC CONIC

C3 54.096 VHL 7.355 DLA -8.38 RAL 172.23 RAD 6569.0 VEL 13.246 PTH 2.42 VHP 15.476 DPA 10.41 RAP 162.05 ECC 1.8903
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 3 2199.27 -19.19 40.51 48.34 111.23 7 3 43 1599.3 -16.14 33.17
 90.00 16 18 34 5368.72 27.82 245.30 54.65 84.47 17 48 2 4768.7 26.76 236.79
 100.00 7 44 20 1949.94 -20.55 21.61 47.77 112.20 8 16 50 1349.9 -17.35 14.27
 100.00 17 43 58 5093.28 29.26 224.87 54.48 83.60 19 8 51 4493.3 28.07 216.27
 110.00 8 43 20 1765.24 -24.15 5.89 46.07 114.96 9 12 45 1165.2 -20.58 358.57
 110.00 19 1 28 4850.75 33.16 205.85 53.87 81.18 20 22 19 4250.7 31.59 196.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4228 TRA -.9093 TC3 .0116 BAU .0496 SGT 788.3 SGR 436.7 SG3 49.7 ST 393.2 SR 390.9 SS 347.2
 RDE -.4972 FRA -.2228 RC3 .0675 FAU .01836 RRT -.0006 RRF .0025 RTF -.6526 CRT -.7564 CRS -.8864 CST .9714
 FDE -.3135 FRA .3692 FC3 -.2939 BSP 2069 SGB 901.2 R23 -.0018 R13 .6526 LSA 623.8 MSA 196.4 SSA 14.7
 BDE .6526 BRA .9362 BC3 .0685 FSP -107 SG1 788.3 SG2 436.7 THA 179.97 EL1 519.6 EL2 193.5 ALF 135.22

LAUNCH DATE JUN 14 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 164.188

RL 151.94 LAL -.00 LOL 262.28 VL 22.602 GAL 1.57 AZL 93.53 HCA 65.85 SMA 107.37 ECC .41587 INC 3.5322 V1 29.322
 RP 108.91 LAP -3.22 LOP 328.09 VP 34.657 GAP -24.56 AZP 91.45 TAL 177.79 TAP 243.64 RCA 62.72 APO 152.02 V2 34.795
 RC 43.455 GL -11.59 GP -.82 ZAL 86.28 ZAP 12.89 ETS 176.75 ZAE 169.12 ETE 78.54 ZAC 104.17 ETC 14.79 CLP 12.87

PLANETOCENTRIC CONIC

C3 47.979 VHL 6.927 DLA -9.07 RAL 171.76 RAD 6568.8 VEL 13.013 PTH 2.37 VHP 14.707 DPA 9.82 RAP 163.44 ECC 1.7896
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 30 40 2146.96 -17.87 37.24 45.76 112.34 7 6 26 1547.0 -14.69 30.02
 90.00 16 11 10 5361.34 27.77 244.77 52.23 84.20 17 40 32 4761.3 26.67 236.27
 100.00 7 47 34 1898.83 -19.20 18.41 45.17 113.36 8 19 13 1298.8 -15.87 11.20
 100.00 17 36 57 5084.69 29.20 224.24 52.05 83.28 19 1 41 4484.7 27.96 215.66
 110.00 8 45 44 1716.73 -22.72 2.85 43.42 116.25 9 14 20 1116.7 -19.01 355.68
 110.00 18 55 17 4839.56 33.04 205.00 51.42 80.69 20 15 56 4239.6 31.40 196.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4244 TRA -.8870 TC3 .0347 BAU .0538 SGT 823.2 SGR 439.7 SG3 54.8 ST 415.9 SR 392.8 SS 369.2
 RDE -.4706 FRA -.2090 RC3 .0763 FAU .01918 RRT -.0041 RRF .0054 RTF -.6731 CRT -.7649 CRS -.8931 CST .9711
 FDE -.3320 FRA .3731 FC3 -.3460 BSP 2217 SGB 933.3 R23 -.0016 R13 .6731 LSA 651.4 MSA 197.6 SSA 15.1
 BDE .6337 BRA .9113 BC3 .0838 FSP -122 SG1 823.2 SG2 439.7 THA 179.83 EL1 537.5 EL2 195.8 ALF 137.14

LAUNCH DATE JUN 14 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 170.744

RL 151.94 LAL -.00 LOL 262.28 VL 23.006 GAL 1.40 AZL 93.51 HCA 69.01 SMA 108.99 ECC .39470 INC 3.5097 V1 29.322
 RP 108.90 LAP -3.28 LOP 331.26 VP 34.925 GAP -23.25 AZP 91.26 TAL 177.85 TAP 246.87 RCA 65.97 APO 152.01 V2 34.799
 RC 43.079 GL -12.45 GP -.85 ZAL 86.58 ZAP 11.22 ETS 175.92 ZAE 168.14 ETE 66.08 ZAC 102.74 ETC 14.63 CLP 11.19

PLANETOCENTRIC CONIC

C3 42.656 VHL 6.531 DLA -9.74 RAL 171.15 RAD 6568.6 VEL 12.807 PTH 2.33 VHP 13.970 DPA 9.22 RAP 164.81 ECC 1.7020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 35 2095.61 -16.51 34.09 43.12 113.33 7 8 31 1495.6 -13.22 26.96
 90.00 16 3 23 5353.61 27.71 244.21 49.69 83.93 17 32 36 4753.6 26.58 235.72
 100.00 7 50 8 1848.66 -17.81 15.33 42.51 114.41 8 20 56 1248.7 -14.37 8.23
 100.00 17 29 31 5075.79 29.12 223.59 49.50 82.94 18 54 7 4475.8 27.84 215.02
 110.00 8 47 28 1669.12 -21.26 359.93 40.74 117.42 9 15 17 1069.1 -17.42 352.91
 110.00 18 48 40 4828.09 32.91 204.13 48.85 80.19 20 9 9 4228.1 31.21 195.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4253 TRA -.8642 TC3 .0625 BAU .0605 SGT 858.8 SGR 442.0 SG3 60.5 ST 438.7 SR 394.0 SS 392.0
 RDE -.4451 FRA -.1957 RC3 .0857 FAU .02006 RRT -.0068 RRF .0082 RTF -.6921 CRT -.7731 CRS -.8998 CST .9707
 FDE -.3516 FRA .3763 FC3 -.4071 BSP 2339 SGB 965.9 R23 -.0018 R13 .6921 LSA 679.6 MSA 198.2 SSA 15.5
 BDE .6156 BRA .8861 BC3 .1061 FSP -136 SG1 858.8 SG2 441.9 THA 179.73 EL1 555.7 EL2 197.3 ALF 138.97

LAUNCH DATE JUN 14 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 177.336

RL 151.94 LAL -.00 LOL 262.28 VL 23.378 GAL 1.21 AZL 93.49 HCA 72.18 SMA 110.56 ECC .37479 INC 3.4881 V1 29.322
 RP 108.88 LAP -3.32 LOP 334.42 VP 35.177 GAP -21.99 AZP 91.07 TAL 177.98 TAP 250.16 RCA 69.12 APO 152.00 V2 34.804
 RC 42.876 GL -13.33 GP -.90 ZAL 87.00 ZAP 9.54 ETS 174.80 ZAE 166.72 ETE 55.64 ZAC 101.32 ETC 14.48 CLP 9.50

PLANETOCENTRIC CONIC

C3 38.027 VHL 6.167 DLA -10.38 RAL 170.40 RAD 6568.5 VEL 12.625 PTH 2.29 VHP 13.264 DPA 8.62 RAP 166.17 ECC 1.6258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 35 48 2045.53 -15.14 31.05 40.43 114.22 7 9 54 1445.5 -11.74 24.02
 90.00 15 55 13 5345.67 27.65 243.63 47.03 83.65 17 24 18 4745.7 26.48 235.16
 100.00 7 51 59 1799.75 -16.41 12.37 39.82 115.34 8 21 59 1199.7 -12.87 5.38
 100.00 17 21 43 5066.69 29.04 222.92 46.84 82.60 18 46 9 4466.7 27.72 214.37
 110.00 8 48 31 1622.72 -19.78 357.14 38.02 118.47 9 15 34 1022.7 -15.82 350.26
 110.00 18 41 40 4816.48 32.77 203.25 46.17 79.68 20 1 57 4216.5 31.00 194.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4280 TRA -.8399 TC3 .0976 BAU .0695 SGT 895.6 SGR 443.4 SG3 66.8 ST 463.5 SR 394.4 SS 416.9
 RDE -.4208 FRA -.1828 RC3 .0957 FAU .02108 RRT -.0108 RRF .0126 RTF -.7109 CRT -.7830 CRS -.9071 CST .9705
 FDE -.3737 FRA .3777 FC3 -.4798 BSP 2490 SGB 999.3 R23 -.0024 R13 .7109 LSA 710.5 MSA 197.8 SSA 15.8
 BDE .6002 BRA .8595 BC3 .1367 FSP -154 SG1 895.6 SG2 443.4 THA 179.59 EL1 575.6 EL2 197.5 ALF 140.85

LAUNCH DATE JUN 14 1967

FLIGHT TIME 78.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 183.960

RL 151.94 LAL -.00 LOL 262.28 VL 23.722 GAL 1.01 AZL 93.47 HCA 75.34 SMA 112.07 ECC .35612 INC 3.4672 V1 29.322
 RP 108.87 LAP -3.35 LOP 337.60 VP 35.411 GAP -20.80 AZP 90.88 TAL 178.17 TAP 253.51 RCA 72.16 APO 151.99 V2 34.809
 RC 42.849 GL -14.24 GP -.94 ZAL 87.56 ZAP 7.85 ETS 173.19 ZAE 165.00 ETE 47.26 ZAC 99.92 ETC 14.34 CLP 7.79

PLANETOCENTRIC CONIC

C3 34.002 VHL 5.831 OLA -11.00 RAL 169.52 RAD 6568.3 VEL 12.465 PTH 2.25 VHP 12.587 DPA 8.01 RAP 167.52 ECC 1.5596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 18 1997.07 -13.77 28.16 37.71 114.99 7 10 35 1397.1 -10.28 21.21
 90.00 15 46 42 5337.61 27.59 243.05 44.28 83.36 17 15 39 4737.6 26.38 234.59
 100.00 7 53 8 1752.42 -15.01 9.55 37.09 116.16 8 22 20 1152.4 -11.38 2.65
 100.00 17 13 33 5057.49 28.96 222.25 44.09 82.26 18 37 50 4457.5 27.59 213.72
 110.00 8 48 53 1577.82 -18.30 354.50 35.28 119.39 9 15 11 977.8 -14.24 347.73
 110.00 18 34 17 4804.85 32.63 202.37 43.39 79.19 19 54 22 4204.9 30.79 193.63

DIFFERENTIAL CORRECTIONS

TDE .4324 TRA -.8144 TC3 .1400 BAU .0799
 RDE -.3977 RRA -.1704 RC3 .1062 FAU .02220
 FDE -.3980 FRA .3783 FC3 -.5652 BSP 2647
 BDE .5875 BRA .8320 BC3 .1757 FSP -173

MID-COURSE EXECUTION ACCURACY

SGT 933.6 SGR 444.0 SG3 73.9
 RRT -.0163 RRF .0174 RTF -.7298
 SGB 1033.8 R23 -.0020 R13 .7298
 SG1 933.7 SG2 444.0 THA 179.43

ORBIT DETERMINATION ACCURACY

ST 490.2 SR 394.2 SS 443.4
 CRT -.7944 CRS -.9144 CST .9707
 LSA 743.9 MSA 196.4 SSA 16.2
 EL1 597.6 EL2 196.4 ALF 142.74

LAUNCH DATE JUN 14 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 190.610

RL 151.94 LAL -.00 LOL 262.28 VL 24.039 GAL .81 AZL 93.45 HCA 78.51 SMA 113.53 ECC .33865 INC 3.4469 V1 29.322
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.631 GAP -19.66 AZP 90.69 TAL 178.41 TAP 256.92 RCA 75.08 APO 151.97 V2 34.815
 RC 42.995 GL -15.17 GP -1.00 ZAL 88.24 ZAP 6.15 ETS 170.69 ZAE 163.09 ETE 40.62 ZAC 98.53 ETC 14.21 CLP 6.07

PLANETOCENTRIC CONIC

C3 30.506 VHL 5.523 OLA -11.57 RAL 168.51 RAD 6568.2 VEL 12.324 PTH 2.22 VHP 11.938 DPA 7.40 RAP 168.84 ECC 1.5020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 2 1950.54 -12.41 25.41 34.95 115.66 7 10 33 1350.5 -8.86 18.54
 90.00 15 37 53 5329.52 27.53 242.47 41.46 83.08 17 6 43 4729.5 26.28 234.02
 100.00 7 53 31 1706.99 -13.63 6.89 34.33 116.86 8 21 58 1107.0 -9.92 .07
 100.00 17 5 5 5048.30 28.88 221.58 41.26 81.92 18 29 13 4448.3 27.46 213.07
 110.00 8 48 32 1534.75 -16.84 352.01 32.53 120.20 9 14 6 934.7 -12.70 345.35
 110.00 18 26 34 4793.31 32.48 201.51 40.54 78.69 19 46 27 4193.3 30.58 192.80

DIFFERENTIAL CORRECTIONS

TDE .4354 TRA -.7879 TC3 .1885 BAU .0905
 RDE -.3759 RRA -.1586 RC3 .1170 FAU .02344
 FDE -.4236 FRA .3774 FC3 -.6653 BSP 2779
 BDE .5752 BRA .8037 BC3 .2218 FSP -194

MID-COURSE EXECUTION ACCURACY

SGT 971.3 SGR 443.8 SG3 81.6
 RRT -.0211 RRF .0222 RTF -.7462
 SGB 1067.9 R23 -.0023 R13 .7463
 SG1 971.4 SG2 443.7 THA 179.30

ORBIT DETERMINATION ACCURACY

ST 516.4 SR 393.2 SS 470.4
 CRT -.8051 CRS -.9215 CST .9708
 LSA 777.5 MSA 194.6 SSA 16.6
 EL1 619.3 EL2 194.5 ALF 144.46

LAUNCH DATE JUN 14 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 197.283

RL 151.94 LAL -.00 LOL 262.28 VL 24.332 GAL .61 AZL 93.43 HCA 81.68 SMA 114.92 ECC .32236 INC 3.4271 V1 29.322
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.835 GAP -18.57 AZP 90.50 TAL 178.72 TAP 260.40 RCA 77.87 APO 151.96 V2 34.822
 RC 43.312 GL -16.11 GP -1.05 ZAL 89.05 ZAP 4.45 ETS 166.21 ZAE 161.10 ETE 35.34 ZAC 97.17 ETC 14.09 CLP 4.32

PLANETOCENTRIC CONIC

C3 27.472 VHL 5.241 OLA -12.11 RAL 167.37 RAD 6568.1 VEL 12.200 PTH 2.19 VHP 11.316 DPA 6.79 RAP 170.13 ECC 1.4521
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 38 0 1906.28 -11.09 22.83 32.18 116.22 7 9 47 1306.3 -7.48 16.01
 90.00 15 28 50 5321.40 27.46 241.88 38.57 82.79 16 57 31 4721.4 26.17 233.45
 100.00 7 53 10 1663.79 -12.29 4.38 31.56 117.46 8 20 54 1063.8 -8.51 357.63
 100.00 16 56 21 5039.13 28.79 220.92 38.36 81.58 18 20 20 4439.1 27.32 212.42
 110.00 8 47 27 1493.78 -15.42 349.68 29.76 120.89 9 12 21 893.8 -11.21 343.11
 110.00 18 18 34 4781.90 32.32 200.65 37.63 78.21 19 38 16 4181.9 30.36 191.99

DIFFERENTIAL CORRECTIONS

TDE .4399 TRA -.7605 TC3 .2458 BAU .1018
 RDE -.3554 RRA -.1474 RC3 .1278 FAU .02486
 FDE -.4526 FRA .3746 FC3 -.7836 BSP 2936
 BDE .5655 BRA .7747 BC3 .2770 FSP -219

MID-COURSE EXECUTION ACCURACY

SGT 1010.3 SGR 442.7 SG3 90.4
 RRT -.0272 RRF .0283 RTF -.7621
 SGB 1103.0 R23 -.0026 R13 .7622
 SG1 1010.4 SG2 442.5 THA 179.16

ORBIT DETERMINATION ACCURACY

ST 544.4 SR 391.6 SS 499.6
 CRT -.8169 CRS -.9288 CST .9710
 LSA 813.8 MSA 191.9 SSA 17.1
 EL1 642.8 EL2 191.3 ALF 146.16

LAUNCH DATE JUN 14 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 203.974

RL 151.94 LAL -.00 LOL 262.28 VL 24.601 GAL .40 AZL 93.41 HCA 84.85 SMA 116.24 ECC .30721 INC 3.4076 V1 29.322
 RP 108.80 LAP -3.39 LOP 347.11 VP 36.026 GAP -17.52 AZP 90.31 TAL 179.09 TAP 263.93 RCA 80.53 APO 151.95 V2 34.830
 RC 43.796 GL -17.06 GP -1.12 ZAL 89.97 ZAP 2.78 ETS 156.12 ZAE 159.10 ETE 31.09 ZAC 95.84 ETC 13.99 CLP 2.55

PLANETOCENTRIC CONIC

C3 24.843 VHL 4.984 OLA -12.60 RAL 166.12 RAD 6568.0 VEL 12.092 PTH 2.16 VHP 10.720 DPA 6.18 RAP 171.39 ECC 1.4089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 37 12 1864.60 -9.83 20.42 29.39 116.69 7 8 16 1264.6 -6.17 13.65
 90.00 15 19 37 5313.28 27.39 241.30 35.64 82.51 16 48 10 4713.3 26.07 232.88
 100.00 7 52 3 1623.11 -11.00 2.05 28.77 117.97 8 19 6 1023.1 -7.17 355.35
 100.00 16 47 27 5030.01 28.69 220.25 35.43 81.24 18 11 17 4430.0 27.18 211.78
 110.00 8 45 39 1455.21 -14.06 347.52 26.98 121.48 9 9 55 855.2 -9.80 341.02
 110.00 18 10 20 4770.67 32.16 199.82 34.68 77.74 19 29 50 4170.7 30.14 191.19

DIFFERENTIAL CORRECTIONS

TDE .4420 TRA -.7350 TC3 .3067 BAU .1118
 RDE -.3361 RRA -.1367 RC3 .1386 FAU .02639
 FDE -.4828 FRA .3721 FC3 -.9195 BSP 3036
 BDE .5553 BRA .7477 BC3 .3366 FSP -244

MID-COURSE EXECUTION ACCURACY

SGT 1049.4 SGR 440.8 SG3 100.0
 RRT -.0316 RRF .0337 RTF -.7751
 SGB 1138.2 R23 -.0040 R13 .7752
 SG1 1049.5 SG2 440.5 THA 179.08

ORBIT DETERMINATION ACCURACY

ST 570.7 SR 389.4 SS 528.9
 CRT -.8267 CRS -.9353 CST .9709
 LSA 849.0 MSA 189.7 SSA 17.5
 EL1 664.8 EL2 188.1 ALF 147.68

LAUNCH DATE JUN 14 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 210.679

RL 151.94 LAL -.00 LOL 262.28 VL 24.848 GAL .20 AZL 93.39 HCA 88.02 SMA 117.50 ECC .29315 INC 3.3883 V1 29.322
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.203 GAP -16.52 AZP 90.12 TAL 179.51 TAP 267.53 RCA 83.06 APO 151.94 V2 34.838
 RC 44.440 GL -18.01 GP -1.19 ZAL 91.01 ZAP 1.40 ETS 121.43 ZAE 157.15 ETE 27.61 ZAC 94.54 ETC 13.90 CLP .73

PLANETOCENTRIC CONIC

C3 22.567 VHL 4.750 DLA -13.05 RAL 164.75 RAD 6567.9 VEL 11.998 PTH 2.14 VHP 10.148 DPA 5.58 RAP 172.62 ECC 1.3714
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 35 36 1825.80 -8.63 18.20 26.60 117.07 7 6 1 1225.8 -4.94 11.47
 90.00 15 10 19 5305.09 27.31 240.71 32.69 82.22 16 38 44 4705.1 25.95 232.31
 100.00 7 50 9 1585.23 -9.78 359.90 25.99 118.39 8 16 35 985.2 -5.92 353.24
 100.00 16 38 26 5020.90 28.60 219.59 32.47 80.90 18 2 7 4420.9 27.04 211.14
 110.00 8 43 9 1419.28 -12.78 345.53 24.21 121.98 9 6 48 819.3 -8.46 339.10
 110.00 18 1 56 4759.61 32.00 198.99 31.71 77.28 19 21 16 4159.6 29.92 190.40

DIFFERENTIAL CORRECTIONS

TDE .4462 TRA -.7064 TC3 .3801 BAU .1232
 RDE -.3181 RRA -.1267 RC3 .1489 FAU .02814
 FDE -.5160 FRA .3668 FC3-1.0794 BSP 3182
 BDE .5480 BRA .7176 BC3 .4082 FSP -276

MID-COURSE EXECUTION ACCURACY

SGT 1088.5 SGR 437.9 SG3 110.8
 RRT -.0383 RRF .0400 RTF -.7896
 SGB 1173.3 R23 -.0040 R13 .7896
 SG1 1088.7 SG2 437.6 THA 178.95

ORBIT DETERMINATION ACCURACY

ST 598.8 SR 386.6 SS 559.3
 CRT -.8385 CRS -.9419 CST .9714
 LSA 886.4 MSA 186.2 SSA 17.9
 EL1 688.8 EL2 183.1 ALF 149.16

LAUNCH DATE JUN 14 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 217.387

RL 151.94 LAL -.00 LOL 262.28 VL 25.075 GAL .00 AZL 93.37 HCA 91.19 SMA 118.69 ECC .28014 INC 3.3690 V1 29.322
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.367 GAP -15.56 AZP 89.93 TAL 179.99 TAP 271.18 RCA 85.44 APO 151.94 V2 34.846
 RC 45.237 GL -18.95 GP -1.27 ZAL 92.14 ZAP 1.69 ETS 48.17 ZAE 155.30 ETE 24.72 ZAC 93.28 ETC 13.83 CLP -1.12

PLANETOCENTRIC CONIC

C3 20.600 VHL 4.539 DLA -13.45 RAL 163.29 RAD 6567.8 VEL 11.916 PTH 2.12 VHP 9.600 DPA 4.98 RAP 173.80 ECC 1.3390
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 33 16 1790.01 -7.52 16.16 23.83 117.38 7 3 6 1190.0 -3.79 9.46
 90.00 15 1 1 5296.90 27.24 240.13 29.74 81.94 16 29 18 4696.9 25.84 231.74
 100.00 7 47 34 1550.29 -8.65 357.93 23.22 118.73 8 13 24 950.3 -4.75 351.31
 100.00 16 29 25 5011.85 28.50 218.94 29.52 80.57 17 52 56 4411.9 26.90 210.50
 110.00 8 39 59 1386.12 -11.57 343.72 21.47 122.39 9 3 5 786.1 -7.22 337.33
 110.00 17 53 29 4748.79 31.83 198.19 28.75 76.83 19 12 38 4148.8 29.69 189.64

DIFFERENTIAL CORRECTIONS

TDE .4691 TRA -.7082 TC3 .3244 BAU .0996
 RDE -.3019 RRA -.1167 RC3 .1597 FAU .02841
 FDE -.5786 FRA .3877 FC3-1.1939 BSP 2585
 BDE .5578 BRA .7177 BC3 .3615 FSP -229

MID-COURSE EXECUTION ACCURACY

SGT 1132.4 SGR 434.9 SG3 121.0
 RRT -.0889 RRF .0740 RTF -.7656
 SGB 1213.0 R23 .0057 R13 .7656
 SG1 1133.2 SG2 432.9 THA 177.71

ORBIT DETERMINATION ACCURACY

ST 653.3 SR 383.8 SS 619.3
 CRT -.8499 CRS -.9470 CST .9728
 LSA 960.6 MSA 185.5 SSA 18.5
 EL1 736.1 EL2 179.5 ALF 151.63

LAUNCH DATE JUN 14 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 224.113

RL 151.94 LAL -.00 LOL 262.28 VL 25.284 GAL -.19 AZL 93.35 HCA 94.36 SMA 119.82 ECC .26815 INC 3.3497 V1 29.322
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.520 GAP -14.64 AZP 89.74 TAL 180.52 TAP 274.88 RCA 87.69 APO 151.94 V2 34.856
 RC 46.178 GL -19.86 GP -1.36 ZAL 93.36 ZAP 3.31 ETS 23.71 ZAE 153.58 ETE 22.28 ZAC 92.07 ETC 13.76 CLP -3.02

PLANETOCENTRIC CONIC

C3 18.903 VHL 4.348 DLA -13.79 RAL 161.74 RAD 6567.8 VEL 11.844 PTH 2.10 VHP 9.076 DPA 4.39 RAP 174.93 ECC 1.3111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 30 5 1757.78 -6.51 14.33 21.07 117.62 6 59 22 1157.8 -2.76 7.66
 90.00 14 51 51 5288.32 27.15 239.51 26.79 81.64 16 19 59 4688.3 25.72 231.14
 100.00 7 44 9 1518.80 -7.61 356.16 20.47 118.99 8 9 28 918.8 -3.69 349.57
 100.00 16 20 28 5002.53 28.39 218.27 26.56 80.23 17 43 50 4402.5 26.75 209.85
 110.00 8 36 4 1356.17 -10.48 342.09 18.74 122.73 8 58 40 756.2 -6.09 335.75
 110.00 17 45 2 4737.92 31.66 197.39 25.78 76.38 19 4 0 4137.9 29.47 188.87

DIFFERENTIAL CORRECTIONS

TDE .4621 TRA -.6396 TC3 .5611 BAU .1479
 RDE -.2862 RRA -.1085 RC3 .1664 FAU .03269
 FDE -.6058 FRA .3419 FC3-1.4971 BSP 3602
 BDE .5435 BRA .6488 BC3 .5853 FSP -361

MID-COURSE EXECUTION ACCURACY

SGT 1167.1 SGR 429.9 SG3 137.9
 RRT -.0624 RRF .0649 RTF -.8181
 SGB 1243.8 R23 -.0059 R13 .8182
 SG1 1167.5 SG2 429.0 THA 178.48

ORBIT DETERMINATION ACCURACY

ST 662.4 SR 379.8 SS 636.2
 CRT -.8670 CRS -.9568 CST .9730
 LSA 977.9 MSA 176.4 SSA 18.8
 EL1 744.8 EL2 168.3 ALF 152.01

LAUNCH DATE JUN 14 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 230.837

RL 151.94 LAL -.00 LOL 262.28 VL 25.474 GAL -.38 AZL 93.33 HCA 97.54 SMA 120.87 ECC .25712 INC 3.3302 V1 29.322
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.662 GAP -13.75 AZP 89.56 TAL 181.09 TAP 278.62 RCA 89.79 APO 151.95 V2 34.865
 RC 47.255 GL -20.75 GP -1.46 ZAL 94.65 ZAP 5.19 ETS 15.74 ZAE 152.03 ETE 20.19 ZAC 90.92 ETC 13.71 CLP -4.99

PLANETOCENTRIC CONIC

C3 17.441 VHL 4.176 DLA -14.08 RAL 160.14 RAD 6567.7 VEL 11.782 PTH 2.08 VHP 8.573 DPA 3.80 RAP 176.00 ECC 1.2870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 14 1728.91 -5.59 12.70 18.36 117.80 6 55 3 1128.9 -1.83 6.05
 90.00 14 42 54 5279.57 27.06 238.89 23.88 81.34 16 10 53 4679.6 25.59 230.53
 100.00 7 40 6 1490.57 -6.68 354.59 17.76 119.20 8 4 56 890.6 -2.73 348.02
 100.00 16 11 42 4993.14 28.28 217.59 23.65 79.90 17 34 56 4393.1 26.60 209.20
 110.00 8 31 36 1329.26 -9.48 340.64 16.05 123.00 8 53 45 729.3 -5.07 334.33
 110.00 17 36 42 4727.22 31.49 196.61 22.86 75.95 18 55 29 4127.2 29.24 188.12

DIFFERENTIAL CORRECTIONS

TDE .4621 TRA -.6131 TC3 .6476 BAU .1563
 RDE -.2720 RRA -.1002 RC3 .1731 FAU .03510
 FDE -.6492 FRA .3314 FC3-1.7421 BSP 3604
 BDE .5362 BRA .6213 BC3 .6704 FSP -399

MID-COURSE EXECUTION ACCURACY

SGT 1202.8 SGR 424.5 SG3 152.9
 RRT -.0694 RRF .0740 RTF -.8263
 SGB 1275.5 R23 -.0085 R13 .8264
 SG1 1203.2 SG2 423.4 THA 178.40

ORBIT DETERMINATION ACCURACY

ST 685.5 SR 375.6 SS 668.7
 CRT -.8756 CRS -.9620 CST .9727
 LSA 1013.6 MSA 173.9 SSA 19.2
 EL1 764.5 EL2 162.7 ALF 153.05

LAUNCH DATE JUN 14 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 237.559

RL 151.94 LAL -.00 LOL 262.28 VL 25.649 GAL -.56 AZL 93.31 HCA 100.71 SMA 121.86 ECC .24701 INC 3.3104 V1 29.322
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.793 GAP -12.90 AZP 89.38 TAL 181.69 TAP 282.41 RCA 91.76 APO 151.96 V2 34.875
 RC 48.458 GL -21.60 GP -1.57 ZAL 95.99 ZAP 7.19 ETS 11.96 ZAE 150.68 ETE 18.37 ZAC 89.84 ETC 13.67 CLP -7.02

PLANETOCENTRIC CONIC

C3 16.183 VHL 4.023 DLA -14.31 RAL 158.49 RAD 6567.6 VEL 11.729 PTH 2.07 VHP 8.092 DPA 3.24 RAP 177.00 ECC 1.2663
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 21 42 1703.64 -4.79 11.28 15.69 117.94 6 50 6 1103.6 -1.01 4.64
 90.00 14 34 15 5270.44 26.97 238.24 21.03 81.02 16 2 6 4670.4 25.45 229.90
 100.00 7 35 25 1465.82 -5.85 353.21 15.11 119.37 7 59 50 865.8 -1.90 346.66
 100.00 16 3 14 4983.50 28.17 216.90 20.80 79.55 17 26 17 4383.5 26.43 208.52
 110.00 8 26 34 1305.58 -8.60 339.37 13.42 123.21 8 48 20 705.6 -4.17 333.09
 110.00 17 28 34 4716.50 31.31 195.82 20.00 75.52 18 47 10 4116.5 29.00 187.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4686 TRA -.5798 TC3 .7512 BAU .1670 SGT 1239.8 SGR 418.5 SG3 170.7 ST 715.0 SR 371.3 SS 709.4
 RDE -.2591 RRA -.0926 RC3 .1775 FAU .03804 RRT -.0848 RRF .0894 RTF -.8381 CRT -.8882 CRS -.9679 CST .9737
 FDE -.7049 FRA .3134 FC3-2.0351 BSP 3790 SGB 1308.5 R23 -.0094 R13 .8382 LSA 1059.8 MSA 169.3 SSA 19.5
 BOE .5355 BRA .5872 BC3 .7719 FSP -452 SG1 1240.4 SG2 -416.8 THA 178.15 EL1 790.7 EL2 154.3 ALF 154.18

LAUNCH DATE JUN 14 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 244.279

RL 151.94 LAL -.00 LOL 262.28 VL 25.808 GAL -.73 AZL 93.29 HCA 103.89 SMA 122.79 ECC .23778 INC 3.2902 V1 29.322
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.914 GAP -12.08 AZP 89.21 TAL 182.33 TAP 286.22 RCA 93.59 APO 151.98 V2 34.886
 RC 49.776 GL -22.40 GP -1.69 ZAL 97.37 ZAP 9.28 ETS 9.80 ZAE 149.53 ETE 16.77 ZAC 88.83 ETC 13.64 CLP -9.12

PLANETOCENTRIC CONIC

C3 15.103 VHL 3.886 DLA -14.48 RAL 156.82 RAD 6567.6 VEL 11.683 PTH 2.05 VHP 7.633 DPA 2.69 RAP 177.93 ECC 1.2486
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 16 35 1681.96 -4.09 10.06 13.10 118.04 6 44 37 1082.0 -.31 3.43
 90.00 14 26 3 5260.89 26.87 237.56 18.25 80.70 15 53 44 4660.9 25.31 229.23
 100.00 7 30 10 1444.53 -5.14 352.03 12.53 119.49 7 54 15 844.5 -1.17 345.49
 100.00 15 55 9 4973.56 28.04 216.19 18.01 79.19 17 18 2 4373.6 26.26 207.84
 110.00 8 21 4 1285.10 -7.84 338.28 10.87 123.38 8 42 29 685.1 -3.39 332.01
 110.00 17 20 44 4705.75 31.12 195.04 17.21 75.09 18 39 10 4105.7 28.76 186.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4718 TRA -.5470 TC3 .8557 BAU .1765 SGT 1272.8 SGR 411.6 SG3 190.7 ST 739.4 SR 366.7 SS 749.2
 RDE -.2473 RRA -.0856 RC3 .1794 FAU .04142 RRT -.0998 RRF .1052 RTF -.8476 CRT -.8990 CRS -.9731 CST .9741
 FDE -.7643 FRA .2919 FC3-2.3742 BSP 3940 SGB 1337.7 R23 -.0109 R13 .8478 LSA 1102.1 MSA 165.6 SSA 19.8
 BOE .5327 BRA .5537 BC3 .8743 FSP -515 SG1 1273.6 SG2 409.3 THA 177.94 EL1 812.3 EL2 146.2 ALF 155.11

LAUNCH DATE JUN-14 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 250.992

RL 151.94 LAL -.00 LOL 262.28 VL 25.953 GAL -.89 AZL 93.27 HCA 107.07 SMA 123.64 ECC .22938 INC 3.2694 V1 29.322
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.026 GAP -11.30 AZP 89.04 TAL 182.99 TAP 290.06 RCA 95.28 APO 152.00 V2 34.897
 RC 51.201 GL -23.15 GP -1.84 ZAL 98.76 ZAP 11.46 ETS 8.41 ZAE 148.61 ETE 15.35 ZAC 87.91 ETC 13.63 CLP -11.32

PLANETOCENTRIC CONIC

C3 14.176 VHL 3.765 DLA -14.60 RAL 155.15 RAD 6567.6 VEL 11.643 PTH 2.04 VHP 7.194 DPA 2.15 RAP 178.78 ECC 1.2333
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 57 1663.81 -3.51 9.05 10.60 118.12 6 38 41 1063.8 .27 2.41
 90.00 14 18 21 5250.87 26.75 236.84 15.56 80.36 15 45 52 4650.9 25.15 228.54
 100.00 7 24 28 1426.64 -4.54 351.04 10.03 119.58 7 48 14 826.6 -.57 344.51
 100.00 15 47 32 4963.27 27.91 215.45 15.33 78.83 17 10 15 4363.3 26.08 207.12
 110.00 8 15 11 1267.76 -7.19 337.36 8.40 123.51 8 36 19 667.8 -2.73 331.11
 110.00 17 13 17 4694.92 30.93 194.25 14.51 74.66 18 31 32 4094.9 28.52 185.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4735 TRA -.5164 TC3 .9557 BAU .1843 SGT 1302.6 SGR 404.0 SG3 213.1 ST 761.0 SR 362.0 SS 790.8
 RDE -.2366 RRA -.0792 RC3 .1784 FAU .04512 RRT -.1172 RRF .1243 RTF -.8554 CRT -.9085 CRS -.9776 CST .9744
 FDE -.8309 FRA .2691 FC3-2.7555 BSP 4032 SGB 1363.8 R23 -.0137 R13 .8556 LSA 1144.0 MSA 162.7 SSA 20.0
 BOE .5294 BRA .5225 BC3 .9722 FSP -580 SG1 1303.5 SG2 400.9 THA 177.70 EL1 831.3 EL2 138.5 ALF 155.92

LAUNCH DATE JUN 14 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 257.697

RL 151.94 LAL -.00 LOL 262.28 VL 26.084 GAL -1.04 AZL 93.25 HCA 110.25 SMA 124.44 ECC .22176 INC 3.2478 V1 29.322
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.128 GAP -10.54 AZP 88.87 TAL 183.66 TAP 293.91 RCA 96.84 APO 152.03 V2 34.908
 RC 52.722 GL -23.82 GP -2.00 ZAL 100.16 ZAP 13.76 ETS 7.45 ZAE 147.92 ETE 14.05 ZAC 87.09 ETC 13.62 CLP -13.61

PLANETOCENTRIC CONIC

C3 13.381 VHL 3.658 DLA -14.66 RAL 153.50 RAD 6567.5 VEL 11.609 PTH 2.03 VHP 6.775 DPA 1.64 RAP 179.52 ECC 1.2202
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 55 1649.08 -3.04 8.22 8.20 118.17 6 32 24 1049.1 .75 1.59
 90.00 14 11 14 5240.35 26.63 236.10 12.99 80.00 15 38 34 4640.3 24.98 227.82
 100.00 7 18 23 1412.05 -4.05 350.24 7.64 119.64 7 41 55 812.1 -.07 343.71
 100.00 15 40 27 4952.61 27.76 214.69 12.75 78.45 17 3 0 4352.6 25.89 206.39
 110.00 8 9 1 1253.45 -6.65 336.60 6.04 123.61 8 29 54 653.5 -2.19 330.36
 110.00 17 6 19 4683.97 30.73 193.46 11.92 74.23 18 24 23 4084.0 28.26 185.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4756 TRA -.4832 TC3 1.0593 BAU .1920 SGT 1329.5 SGR 395.8 SG3 238.8 ST 781.4 SR 357.3 SS 834.7
 RDE -.2270 RRA -.0734 RC3 .1739 FAU .04944 RRT -.1392 RRF .1470 RTF -.8637 CRT -.9183 CRS -.9818 CST .9750
 FDE -.9062 FRA .2394 FC3-3.1985 BSP 4178 SGB 1387.2 R23 -.0155 R13 .8640 LSA 1187.1 MSA 159.6 SSA 20.2
 BOE .5270 BRA .4888 BC3 1.0735 FSP -661 SG1 1330.8 SG2 391.6 THA 177.40 EL1 849.3 EL2 130.2 ALF 156.64

LAUNCH DATE JUN 14 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 264.392

RL 151.94 LAL -.00 LOL 262.28 VL 26.203 GAL -1.18 AZL 93.23 HCA 113.44 SMA 125.17 ECC .21488 INC 3.2254 V1 29.322
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.223 GAP -9.81 AZP 88.72 TAL 184.33 TAP 297.77 RCA 98.27 APO 152.06 V2 34.920
 RC 54.330 GL -24.43 GP -2.18 ZAL 101.53 ZAP 16.17 ETS 6.76 ZAE 147.49 ETE 12.86 ZAC 86.39 ETC 13.63 CLP -16.02

PLANETOCENTRIC CONIC

C3 12.700 VHL 3.564 DLA -14.67 RAL 151.90 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 6.377 DPA 1.16 RAP 180.15 ECC 1.2090
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 35 1637.57 -2.67 7.58 5.92 118.20 6 25 52 1037.6 1.12 .95
 90.00 14 4 46 5229.33 26.50 235.32 10.55 79.63 15 31 56 4629.3 24.80 227.06
 100.00 7 12 2 1400.55 -3.66 349.61 5.37 119.69 7 35 23 800.6 .32 343.08
 100.00 15 34 0 4941.58 27.61 213.91 10.30 78.07 16 56 21 4341.6 25.69 205.63
 110.00 8 2 40 1241.99 -6.22 336.00 3.79 123.68 8 23 22 642.0 -1.75 329.76
 110.00 16 59 52 4672.91 30.52 192.67 9.47 73.80 18 17 45 4072.9 28.00 184.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4749 TRA -.4520 TC3 1.1551 BAU .1981 SGT 1350.9 SGR 387.2 SG3 268.0 ST 796.4 SR 352.6 SS 880.5
 RDE -.2183 RRA -.0682 RC3 .1655 FAU .05432 RRT -.1638 RRF .1739 RTF -.8701 CRT -.9265 CRS -.9853 CST .9752
 FDE -.9907 FRA .2058 FC3-3.7029 BSP 4267 SGB 1405.3 R23 -.0193 R13 .8705 LSA 1228.2 MSA 157.6 SSA 20.2
 BDE .5226 BRA .4572 BC3 1.1669 FSP -750 SG1 1352.6 SG2 381.5 THA 177.08 EL1 862.3 EL2 122.5 ALF 157.21

LAUNCH DATE JUN 14 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 271.073

RL 151.94 LAL -.00 LOL 262.28 VL 26.310 GAL -1.31 AZL 93.20 HCA 116.63 SMA 125.83 ECC .20869 INC 3.2018 V1 29.322
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.310 GAP -9.10 AZP 88.56 TAL 185.00 TAP 301.62 RCA 99.57 APO 152.09 V2 34.932
 RC 56.016 GL -24.96 GP -2.39 ZAL 102.86 ZAP 18.71 ETS 6.26 ZAE 147.32 ETE 11.75 ZAC 85.81 ETC 13.64 CLP -18.57

PLANETOCENTRIC CONIC

C3 12.117 VHL 3.481 DLA -14.63 RAL 150.36 RAD 6567.5 VEL 11.554 PTH 2.02 VHP 5.998 DPA .70 RAP 180.65 ECC 1.1994
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 4 1629.03 -2.40 7.10 3.77 118.22 6 19 13 1029.0 1.40 .47
 90.00 13 59 0 5217.85 26.36 234.51 8.24 79.25 15 25 58 4617.9 24.61 226.28
 100.00 7 5 33 1391.92 -3.37 349.13 3.23 119.72 7 28 45 791.9 .61 342.61
 100.00 15 28 12 4930.20 27.45 213.10 7.99 77.67 16 50 22 4330.2 25.47 204.86
 110.00 7 56 14 1233.15 -5.88 335.53 1.67 123.73 8 16 47 633.2 -1.41 329.30
 110.00 16 54 0 4661.72 30.31 191.87 7.15 73.38 18 11 42 4061.7 27.73 183.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4716 TRA -.4228 TC3 1.2401 BAU .2024 SGT 1365.7 SGR 378.2 SG3 300.9 ST 806.1 SR 348.0 SS 927.2
 RDE -.2105 RRA -.0635 RC3 .1530 FAU .05985 RRT -.1923 RRF .2052 RTF -.8750 CRT -.9335 CRS -.9883 CST .9751
 FDE -1.0843 FRA .1687 FC3-4.2760 BSP 4328 SGB 1417.1 R23 -.0241 R13 .8755 LSA 1267.1 MSA 156.5 SSA 20.0
 BDE .5164 BRA .4276 BC3 1.2495 FSP -852 SG1 1367.8 SG2 370.6 THA 176.71 EL1 870.4 EL2 115.6 ALF 157.63

LAUNCH DATE JUN 14 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 277.741

RL 151.94 LAL -.00 LOL 262.28 VL 26.407 GAL -1.43 AZL 93.18 HCA 119.82 SMA 126.44 ECC .20314 INC 3.1768 V1 29.322
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.390 GAP -8.42 AZP 88.42 TAL 185.65 TAP 305.46 RCA 100.76 APO 152.13 V2 34.945
 RC 57.772 GL -25.42 GP -2.63 ZAL 104.14 ZAP 21.41 ETS 5.88 ZAE 147.42 ETE 10.70 ZAC 85.39 ETC 13.66 CLP -21.25

PLANETOCENTRIC CONIC

C3 11.615 VHL 3.408 DLA -14.54 RAL 148.90 RAD 6567.4 VEL 11.533 PTH 2.01 VHP 5.639 DPA .28 RAP 181.01 ECC 1.1912
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 28 1623.20 -2.21 6.78 1.77 118.24 6 12 31 1023.2 1.58 .15
 90.00 13 53 58 5205.94 26.20 233.67 6.09 78.86 15 20 43 4605.9 24.40 225.46
 100.00 6 59 1 1385.89 -3.17 348.80 1.24 119.74 7 22 7 785.9 .81 342.28
 100.00 15 23 6 4918.48 27.28 212.27 5.84 77.27 16 45 4 4318.5 25.25 204.06
 110.00 7 49 50 1226.72 -5.64 335.19 359.70 123.77 8 10 17 626.7 -1.16 328.96
 110.00 16 48 46 4650.42 30.08 191.06 4.98 72.95 18 6 16 4050.4 27.46 182.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4663 TRA -.3944 TC3 1.3143 BAU .2052 SGT 1373.5 SGR 369.3 SG3 338.3 ST 810.8 SR 343.7 SS 976.3
 RDE -.2036 RRA -.0594 RC3 .1357 FAU .06613 RRT -.2264 RRF .2430 RTF -.8789 CRT -.9398 CRS -.9908 CST .9750
 FDE -1.1898 FRA .1255 FC3-4.9287 BSP 4368 SGB 1422.2 R23 -.0302 R13 .8795 LSA 1305.4 MSA 155.9 SSA 19.8
 BDE .5088 BRA .3989 BC3 1.3213 FSP -968 SG1 1376.2 SG2 359.0 THA 176.26 EL1 873.9 EL2 109.0 ALF 157.92

LAUNCH DATE JUN 14 1967

FLIGHT TIME 108.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 284.393

RL 151.94 LAL -.00 LOL 262.28 VL 26.493 GAL -1.54 AZL 93.15 HCA 123.01 SMA 127.00 ECC .19819 INC 3.1502 V1 29.322
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.463 GAP -7.76 AZP 88.28 TAL 186.27 TAP 309.28 RCA 101.83 APO 152.17 V2 34.957
 RC 59.590 GL -25.80 GP -2.91 ZAL 105.35 ZAP 24.27 ETS 5.60 ZAE 147.82 ETE 9.66 ZAC 85.13 ETC 13.69 CLP -24.11

PLANETOCENTRIC CONIC

C3 11.184 VHL 3.344 DLA -14.41 RAL 147.54 RAD 6567.4 VEL 11.514 PTH 2.01 VHP 5.300 DPA -.11 RAP 181.20 ECC 1.1841
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 38 54 1619.79 -2.10 6.59 359.92 118.25 6 5 54 1019.8 1.69 359.96
 90.00 13 49 40 5193.64 26.04 232.81 4.10 78.46 15 16 14 4593.6 24.18 224.63
 100.00 6 52 32 1382.20 -3.04 348.60 359.40 119.75 7 15 35 782.2 .94 342.07
 100.00 15 18 43 4906.47 27.09 211.43 3.84 76.86 16 40 29 4306.5 25.01 203.24
 110.00 7 43 33 1222.43 -5.48 334.96 357.88 123.79 8 3 55 622.4 -1.00 328.74
 110.00 16 44 12 4639.00 29.85 190.25 2.98 72.52 18 1 31 4039.0 27.17 182.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4576 TRA -.3681 TC3 1.3697 BAU .2055 SGT 1370.4 SGR 360.6 SG3 380.3 ST 808.4 SR 339.8 SS 1026.4
 RDE -.1976 RRA -.0558 RC3 .1134 FAU .07317 RRT -.2663 RRF .2877 RTF -.8809 CRT -.9448 CRS -.9928 CST .9745
 FDE -1.3064 FRA .0772 FC3-5.6639 BSP 4368 SGB 1417.0 R23 -.0384 R13 .8818 LSA 1340.7 MSA 156.2 SSA 19.4
 BDE .4984 BRA .3723 BC3 1.3744 FSP -1099 SG1 1374.0 SG2 346.7 THA 175.72 EL1 870.8 EL2 103.4 ALF 158.01

LAUNCH DATE JUN 14 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 291.029

RL 151.94 LAL -.00 LOL 262.28 VL 26.570 GAL -1.64 AZL 93.12 HCA 126.20 SMA 127.50 ECC .19380 INC 3.1215 V1 29.322
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.529 GAP -7.13 AZP 88.15 TAL 186.86 TAP 313.06 RCA 102.79 APO 152.20 V2 34.970
 RC 61.464 GL -26.10 GP -3.22 ZAL 106.48 ZAP 27.32 ETS 5.39 ZAE 148.51 ETE 8.62 ZAC 85.06 ETC 13.72 CLP -27.15

PLANETOCENTRIC CONIC

C3 10.811 VHL 3.288 DLA -14.25 RAL 146.29 RAD 6567.4 VEL 11.498 PTH 2.00 VHP 4.980 DPA -.47 RAP 181.21 ECC 1.1779
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 32 28 1618.54 -2.06 6.52 358.23 118.25 5 59 26 1018.5 1.74 359.89
 90.00 13 46 8 5180.96 25.86 231.92 2.27 78.05 15 12 29 4581.0 23.95 223.77
 100.00 6 46 13 1380.57 -2.99 348.51 357.71 119.76 7 9 14 780.6 1.00 341.98
 100.00 15 15 4 4894.16 26.90 210.56 2.01 76.44 16 36 38 4294.2 24.77 202.41
 110.00 7 37 28 1220.04 -5.39 334.84 356.22 123.81 7 57 48 620.0 -.91 328.62
 110.00 16 40 18 4627.45 29.61 189.44 1.14 72.09 17 57 26 4027.5 26.88 181.32

DIFFERENTIAL CORRECTIONS

TDE .4476 TRA -.3421 TC3 1.4152 BAU .2049
 RDE -.1925 RRA -.0528 RC3 .0848 FAU .08134
 FDE -1.4393 FRA .0205 FC3-6.5140 BSP 4375
 BDE .4872 BRA .3461 BC3 1.4177 FSP -1254

MID-COURSE EXECUTION ACCURACY

SGT 1361.1 SGR 353.0 SG3 428.9
 RRT -.3150 RRF .3417 RTF -.8829
 SGB 1406.2 R23 -.0483 R13 .8841
 SG1 1366.0 SG2 333.9 THA 175.03

ORBIT DETERMINATION ACCURACY

ST 802.0 SR 336.6 SS 1080.7
 CRT -.9494 CRS -.9945 CST .9741
 LSA 1378.3 MSA 156.3 SSA 18.9
 EL1 864.2 EL2 98.1 ALF 157.97

LAUNCH DATE JUN 14 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 297.646

RL 151.94 LAL -.00 LOL 262.28 VL 26.638 GAL -1.73 AZL 93.09 HCA 129.40 SMA 127.94 ECC .18992 INC 3.0904 V1 29.322
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.589 GAP -6.51 AZP 88.04 TAL 187.41 TAP 316.81 RCA 103.64 APO 152.24 V2 34.983
 RC 63.388 GL -26.31 GP -3.59 ZAL 107.52 ZAP 30.58 ETS 5.23 ZAE 149.51 ETE 7.53 ZAC 85.20 ETC 13.75 CLP -30.39

PLANETOCENTRIC CONIC

C3 10.486 VHL 3.238 DLA -14.06 RAL 145.16 RAD 6567.4 VEL 11.484 PTH 2.00 VHP 4.681 DPA -.78 RAP 181.02 ECC 1.1726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 26 14 1619.14 -2.08 6.55 356.71 118.25 5 53 13 1019.1 1.72 359.92
 90.00 13 43 22 5167.94 25.67 231.01 .62 77.63 15 9 30 4567.9 23.71 222.89
 100.00 6 40 8 1380.74 -2.99 348.52 356.20 119.76 7 3 8 780.7 .99 341.99
 100.00 15 12 10 4881.58 26.69 209.68 .35 76.02 16 33 32 4281.6 24.51 201.56
 110.00 7 31 40 1219.31 -5.36 334.80 354.73 123.81 7 51 59 619.3 -.88 328.58
 110.00 16 37 7 4615.77 29.37 188.62 359.48 71.66 17 54 3 4015.8 26.58 180.54

DIFFERENTIAL CORRECTIONS

TDE .4315 TRA -.3203 TC3 1.4283 BAU .2003
 RDE -.1882 RRA -.0503 RC3 .0500 FAU .09034
 FDE -1.5824 FRA -.0404 FC3-7.4586 BSP 4302
 BDE .4707 BRA .3242 BC3 1.4292 FSP -1425

MID-COURSE EXECUTION ACCURACY

SGT 1334.0 SGR 346.9 SG3 482.4
 RRT -.3688 RRF .4041 RTF -.8810
 SGB 1378.4 R23 -.0637 R13 .8828
 SG1 1340.5 SG2 320.9 THA 174.19

ORBIT DETERMINATION ACCURACY

ST 783.8 SR 334.2 SS 1134.0
 CRT -.9522 CRS -.9957 CST .9728
 LSA 1409.5 MSA 157.6 SSA 18.3
 EL1 846.8 EL2 94.5 ALF 157.61

LAUNCH DATE JUN 14 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 304.245

RL 151.94 LAL -.00 LOL 262.28 VL 26.698 GAL -1.80 AZL 93.06 HCA 132.59 SMA 128.34 ECC .18652 INC 3.0563 V1 29.322
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.644 GAP -5.92 AZP 87.93 TAL 187.91 TAP 320.51 RCA 104.40 APO 152.27 V2 34.996
 RC 65.357 GL -26.46 GP -4.02 ZAL 108.47 ZAP 34.07 ETS 5.11 ZAE 150.84 ETE 6.34 ZAC 85.57 ETC 13.77 CLP -33.86

PLANETOCENTRIC CONIC

C3 10.200 VHL 3.194 DLA -13.83 RAL 144.17 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 4.402 DPA -1.06 RAP 180.59 ECC 1.1679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 20 17 1621.40 -2.15 6.68 355.35 118.24 5 47 19 1021.4 1.64 .05
 90.00 13 41 24 5154.55 25.48 230.08 359.14 77.20 15 7 18 4554.5 23.46 221.99
 100.00 6 34 20 1382.50 -3.05 348.61 354.85 119.75 6 57 22 782.5 .93 342.09
 100.00 15 10 2 4868.68 26.48 208.78 358.87 75.60 16 31 11 4268.7 24.24 200.70
 110.00 7 26 12 1220.04 -5.39 334.84 353.40 123.81 7 46 32 620.0 -.91 328.62
 110.00 16 34 39 4603.90 29.11 187.79 357.98 71.23 17 51 23 4003.9 26.27 179.76

DIFFERENTIAL CORRECTIONS

TDE .4112 TRA -.3018 TC3 1.4135 BAU .1927
 RDE -.1850 RRA -.0483 RC3 .0075 FAU .10037
 FDE -1.7399 FRA -.1046 FC3-8.5195 BSP 4164
 BDE .4509 BRA .3057 BC3 1.4135 FSP -1613

MID-COURSE EXECUTION ACCURACY

SGT 1292.4 SGR 343.6 SG3 542.3
 RRT -.4294 RRF .4761 RTF -.8763
 SGB 1337.3 R23 -.0854 R13 .8791
 SG1 1301.3 SG2 308.2 THA 173.10

ORBIT DETERMINATION ACCURACY

ST 757.0 SR 332.9 SS 1189.1
 CRT -.9537 CRS -.9967 CST .9709
 LSA 1439.4 MSA 159.3 SSA 17.6
 EL1 821.8 EL2 92.2 ALF 156.94

LAUNCH DATE JUN 14 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 310.824

RL 151.94 LAL -.00 LOL 262.28 VL 26.751 GAL -1.87 AZL 93.02 HCA 135.80 SMA 128.69 ECC .18355 INC 3.0184 V1 29.322
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.694 GAP -5.35 AZP 87.84 TAL 188.36 TAP 324.15 RCA 105.07 APO 152.31 V2 35.009
 RC 67.365 GL -26.52 GP -4.52 ZAL 109.31 ZAP 37.81 ETS 5.02 ZAE 152.50 ETE 4.96 ZAC 86.20 ETC 13.79 CLP -37.58

PLANETOCENTRIC CONIC

C3 9.945 VHL 3.154 DLA -13.58 RAL 143.31 RAD 6567.4 VEL 11.460 PTH 1.99 VHP 4.144 DPA -1.30 RAP 179.92 ECC 1.1637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 14 39 1625.16 -2.27 6.89 354.16 118.23 5 41 44 1025.2 1.52 .26
 90.00 13 40 13 5140.68 25.26 229.12 357.82 76.77 15 5 54 4540.7 23.19 221.06
 100.00 6 28 51 1385.71 -3.16 348.79 353.67 119.74 6 51 57 785.7 .82 342.27
 100.00 15 8 41 4855.36 26.25 207.86 357.55 75.16 16 29 36 4255.4 23.96 199.81
 110.00 7 21 6 1222.10 -5.46 334.95 352.24 123.80 7 41 28 622.1 -.99 328.72
 110.00 16 32 56 4591.73 28.84 186.95 356.65 70.80 17 49 28 3991.7 25.95 178.96

DIFFERENTIAL CORRECTIONS

TDE .3877 TRA -.2848 TC3 1.3739 BAU .1828
 RDE -.1829 RRA -.0470 RC3 -.0446 FAU .11169
 FDE -1.9141 FRA -.1788 FC3-9.7235 BSP 4019
 BDE .4287 BRA .2886 BC3 1.3746 FSP -1835

MID-COURSE EXECUTION ACCURACY

SGT 1237.1 SGR 344.9 SG3 609.8
 RRT -.4963 RRF .5577 RTF -.8688
 SGB 1284.3 R23 -.1154 R13 .8734
 SG1 1249.6 SG2 296.5 THA 171.65

ORBIT DETERMINATION ACCURACY

ST 722.8 SR 333.4 SS 1247.5
 CRT -.9542 CRS -.9975 CST .9684
 LSA 1471.0 MSA 160.9 SSA 16.8
 EL1 790.8 EL2 91.2 ALF 155.90

LAUNCH DATE JUN 14 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 317.384

RL 151.94 LAL -.00 LOL 262.28 VL 26.796 GAL -1.92 AZL 92.98 HCA 139.00 SMA 128.99 ECC .18097 INC 2.9759 V1 29.322
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.738 GAP -4.79 AZP 87.75 TAL 188.74 TAP 327.74 RCA 105.65 APO 152.33 V2 35.023
 RC 69.409 GL -26.49 GP -5.11 ZAL 110.05 ZAP 41.82 ETS 4.95 ZAE 154.51 ETE 3.29 ZAC 87.10 ETC 13.79 CLP -41.56

PLANETOCENTRIC CONIC

C3 9.713 VHL 3.117 DLA -13.29 RAL 142.60 RAD 6567.4 VEL 11.450 PTH 1.99 VHP 3.909 DPA -1.52 RAP 178.96 ECC 1.1599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 20 1630.32 -2.44 7.17 353.14 118.22 5 36 30 1030.3 1.36 .55
 90.00 13 39 52 5126.19 25.03 228.12 356.68 76.32 15 5 19 4526.2 22.90 220.10
 100.00 6 23 44 1390.26 -3.31 349.04 352.65 119.73 6 46 55 790.3 .67 342.51
 100.00 15 8 9 4841.48 26.01 206.90 356.40 74.72 16 28 51 4241.5 23.65 198.89
 110.00 7 16 23 1225.37 -5.59 335.12 351.24 123.78 7 36 48 625.4 -1.11 328.89
 110.00 16 32 0 4579.13 28.56 186.08 355.50 70.36 17 48 19 3979.1 25.61 178.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3568 TRA -.2734 TC3 1.2888 BAU .1679 SGT 1158.6 SGR 352.2 SG3 682.2 ST 674.4 SR 335.7 SS 1302.6
 RDE -.1821 RRA -.0461 RC3 -.1070 FAU .12380 RRT -.5591 RRF .6430 RTF -.8533 CRT -.9520 CRS -.9980 CST .9640
 FDE -2.0939 FRA -.2502 FC-11.0337 BSP 3762 SGB 1210.9 R23 -.1622 R13 .8613 LSA 1495.8 MSA 163.1 SSA 16.0
 BOE .4005 BRA .2773 BC3 1.2932 FSP -2070 SG1 1176.3 SG2 287.6 THA 169.73 EL1 747.6 EL2 92.7 ALF 154.22

LAUNCH DATE JUN 14 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 323.923

RL 151.94 LAL -.00 LOL 262.28 VL 26.835 GAL -1.96 AZL 92.93 HCA 142.20 SMA 129.25 ECC .17877 INC 2.9275 V1 29.322
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.778 GAP -4.25 AZP 87.69 TAL 189.06 TAP 331.27 RCA 106.14 APO 152.36 V2 35.036
 RC 71.485 GL -26.39 GP -5.80 ZAL 110.68 ZAP 46.11 ETS 4.88 ZAE 156.85 ETE 1.10 ZAC 88.29 ETC 13.76 CLP -45.83

PLANETOCENTRIC CONIC

C3 9.499 VHL 3.082 DLA -12.97 RAL 142.05 RAD 6567.3 VEL 11.441 PTH 1.98 VHP 3.695 DPA -1.72 RAP 177.72 ECC 1.1563
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 4 20 1636.91 -2.65 7.54 352.28 118.20 5 31 37 1036.9 1.14 .91
 90.00 13 40 25 5110.82 24.78 227.07 355.69 75.84 15 5 36 4510.8 22.59 219.08
 100.00 6 18 57 1396.18 -3.51 349.37 351.80 119.70 6 42 13 796.2 .47 342.84
 100.00 15 8 29 4826.78 25.74 205.89 355.41 74.25 16 28 56 4226.8 23.33 197.92
 110.00 7 12 3 1229.89 -5.76 335.36 350.41 123.75 7 32 33 629.9 -1.28 329.13
 110.00 16 31 53 4565.84 28.25 185.17 354.50 69.90 17 47 59 3965.8 25.25 177.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3200 TRA -.2665 TC3 1.1606 BAU .1492 SGT 1060.3 SGR 368.1 SG3 759.5 ST 614.5 SR 340.6 SS 1355.8
 RDE -.1827 RRA -.0456 RC3 -.1823 FAU .13668 RRT -.6103 RRF .7276 RTF -.8266 CRT -.9465 CRS -.9985 CST .9570
 FDE -2.2788 FRA -.3189 FC-12.4570 BSP 3432 SGB 1122.4 R23 -.2317 R13 .8419 LSA 1518.0 MSA 165.5 SSA 15.1
 BOE .3685 BRA .2704 BC3 1.1749 FSP -2320 SG1 1085.6 SG2 284.8 THA 167.14 EL1 695.8 EL2 97.0 ALF 151.72

LAUNCH DATE JUN 14 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 330.442

RL 151.94 LAL -.00 LOL 262.28 VL 26.867 GAL -1.99 AZL 92.87 HCA 145.41 SMA 129.47 ECC .17690 INC 2.8715 V1 29.322
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.813 GAP -3.73 AZP 87.64 TAL 189.31 TAP 334.73 RCA 106.57 APO 152.37 V2 35.049
 RC 73.590 GL -26.18 GP -6.61 ZAL 111.20 ZAP 50.70 ETS 4.80 ZAE 159.51 ETE 358.07 ZAC 89.79 ETC 13.70 CLP -50.38

PLANETOCENTRIC CONIC

C3 9.295 VHL 3.049 DLA -12.61 RAL 141.64 RAD 6567.3 VEL 11.432 PTH 1.98 VHP 3.506 DPA -1.91 RAP 176.17 ECC 1.1530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 59 37 1645.13 -2.91 8.00 351.59 118.18 5 27 2 1045.1 .88 1.37
 90.00 13 41 57 5094.14 24.50 225.93 354.87 75.34 15 6 51 4494.1 22.25 217.98
 100.00 6 14 28 1403.64 -3.77 349.78 351.12 119.68 6 37 51 803.6 .21 343.25
 100.00 15 9 47 4810.85 25.44 204.80 354.58 73.75 16 29 58 4210.9 22.97 196.88
 110.00 7 8 4 1235.77 -5.98 335.67 349.75 123.72 7 28 40 635.8 -1.51 329.44
 110.00 16 32 40 4551.49 27.91 184.19 353.66 69.41 17 48 32 3951.5 24.85 176.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2782 TRA -.2621 TC3 .9929 BAU .1280 SGT 945.8 SGR 396.1 SG3 842.6 ST 544.6 SR 348.9 SS 1408.1
 RDE -.1851 RRA -.0458 RC3 -.2749 FAU .15049 RRT -.6376 RRF .8055 RTF -.7827 CRT -.9365 CRS -.9988 CST .9458
 FDE -2.4669 FRA -.3894 FC-14.0164 BSP 3075 SGB 1025.4 R23 -.3274 R13 .8147 LSA 1540.4 MSA 167.5 SSA 14.2
 BOE .3341 BRA .2661 BC3 1.0302 FSP -2598 SG1 982.4 SG2 293.8 THA 163.54 EL1 638.3 EL2 104.4 ALF 148.08

LAUNCH DATE JUN 14 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 336.940

RL 151.94 LAL -.00 LOL 262.28 VL 26.894 GAL -2.00 AZL 92.81 HCA 148.62 SMA 129.65 ECC .17533 INC 2.8056 V1 29.322
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.844 GAP -3.22 AZP 87.60 TAL 189.50 TAP 338.12 RCA 106.92 APO 152.38 V2 35.062
 RC 75.721 GL -25.86 GP -7.58 ZAL 111.62 ZAP 55.57 ETS 4.68 ZAE 162.44 ETE 353.52 ZAC 91.60 ETC 13.59 CLP -55.22

PLANETOCENTRIC CONIC

C3 9.096 VHL 3.016 DLA -12.19 RAL 141.41 RAD 6567.3 VEL 11.423 PTH 1.98 VHP 3.342 DPA -2.14 RAP 174.30 ECC 1.1497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 55 4 1655.31 -3.24 8.57 351.06 118.15 5 22 39 1055.3 .55 1.94
 90.00 13 44 37 5075.54 24.17 224.66 354.19 74.79 15 9 12 4475.5 21.85 216.76
 100.00 6 10 11 1412.96 -4.08 350.29 350.60 119.64 6 33 44 813.0 -.10 343.76
 100.00 15 12 11 4793.11 25.10 203.60 353.90 73.20 16 32 4 4193.1 22.56 195.72
 110.00 7 4 22 1243.28 -6.26 336.06 349.25 123.67 7 25 5 643.3 -1.80 329.83
 110.00 16 34 30 4535.57 27.52 183.11 352.97 68.88 17 50 5 3935.6 24.40 175.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2284 TRA -.2635 TC3 .7645 BAU .1042 SGT 814.4 SGR 437.6 SG3 924.1 ST 460.6 SR 360.5 SS 1448.6
 RDE -.1892 RRA -.0460 RC3 -.3863 FAU .16400 RRT -.6107 RRF .8693 RTF -.6972 CRT -.9152 CRS -.9990 CST .9241
 FDE -2.6332 FRA -.4406 FC-15.6093 BSP 2632 SGB 924.6 R23 -.4524 R13 .7714 LSA 1552.9 MSA 169.9 SSA 13.3
 BOE .2966 BRA .2675 BC3 .8566 FSP -2866 SG1 865.1 SG2 326.2 THA 158.65 EL1 573.1 EL2 116.8 ALF 142.56

LAUNCH DATE JUN 14 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 343.417

RL 151.94 LAL -.00 LOL 262.28 VL 26.916 GAL -2.01 AZL 92.73 MCA 151.84 SMA 129.80 ECC .17405 INC 2.7262 V1 29.322
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.872 GAP -2.72 AZP 87.60 TAL 189.60 TAP 341.44 RCA 107.21 APO 152.39 V2 35.075
 RC 77.874 GL -25.41 GP -8.74 ZAL 111.94 ZAP -60.71 ETS 4.51 ZAE 165.49 ETE 346.20 ZAC 93.70 ETC 13.40 CLP -60.133

PLANETOCENTRIC CONIC

C3 8.894 VHL 2.982 OLA -11.68 RAL 141.35 RAD 6567.3 VEL 11.414 PTH 1.98 VHP 3.204 DPA -2.44 RAP 172.11 ECC 1.1464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 32 1668.16 -3.65 9.29 350.70 118.10 5 18 20 1068.2 .13 2.66
 90.00 13 48 39 5054.04 23.78 223.21 353.66 74.16 15 12 53 4454.0 21.38 215.36
 100.00 6 5 57 1424.81 -4.48 350.94 350.24 119.59 6 29 42 824.8 -.51 344.41
 100.00 15 15 55 4772.62 24.68 202.21 353.37 72.58 16 35 27 4172.6 22.07 194.39
 110.00 7 0 49 1252.99 -6.63 336.58 348.91 123.61 7 21 42 653.0 -2.17 330.33
 110.00 16 37 32 4517.21 27.07 181.88 352.43 68.28 17 52 49 3917.2 23.87 174.17

DIFFERENTIAL CORRECTIONS

TDE .1751 TRA -.2667 TC3 .4890 BAU .0853
 RDE -.1959 RRA -.0468 RC3 -.5251 FAU .17752
 FDE-2.7847 FRA -.4866 FC-17.2805 BSP 2241
 BDE .2627 BRA .2707 BC3 .7175 FSP -3146

MID-COURSE EXECUTION ACCURACY

SGT 687.0 SGR 498.1 SG3 1006.7
 RRT -.4964 RRF .9181 RTF -.5380
 SGB 848.6 R23 -.5744 R13 .7225
 SG1 750.7 SG2 395.8 THA 151.69

ORBIT DETERMINATION ACCURACY

ST 371.4 SR 377.4 SS 1485.6
 CRT -.8730 CRS -.9993 CST .8820
 LSA 1567.7 MSA 171.6 SSA 12.3
 EL1 512.4 EL2 133.4 ALF 134.47

LAUNCH DATE JUN 14 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 349.873

RL 151.94 LAL -.00 LOL 262.28 VL 26.932 GAL -2.00 AZL 92.63 MCA 155.05 SMA 129.91 ECC .17302 INC 2.6281 V1 29.322
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.896 GAP -2.24 AZP 87.62 TAL 189.64 TAP 344.69 RCA 107.44 APO 152.39 V2 35.088
 RC 80.046 GL -24.76 GP -10.15 ZAL 112.16 ZAP 66.08 ETS 4.24 ZAE 168.35 ETE 333.54 ZAC 96.07 ETC 13.10 CLP -65.68

PLANETOCENTRIC CONIC

C3 8.682 VHL 2.946 OLA -11.04 RAL 141.47 RAD 6567.3 VEL 11.405 PTH 1.97 VHP 3.094 DPA -2.89 RAP 169.61 ECC 1.1429
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 45 44 1684.81 -4.19 10.22 350.50 118.03 5 13 49 1084.8 -.40 13.59
 90.00 13 54 27 5028.17 23.29 221.47 353.27 73.42 15 18 15 4428.2 20.80 213.69
 100.00 6 1 33 1440.24 -5.00 351.80 350.06 119.51 6 25 33 840.2 -1.03 345.26
 100.00 15 21 19 4747.97 24.17 200.56 352.97 71.86 16 40 27 4148.0 21.47 192.81
 110.00 6 57 15 1265.82 -7.11 337.26 348.75 123.52 7 18 21 665.8 -2.66 331.01
 110.00 16 42 7 4495.16 26.50 180.41 352.02 67.57 17 57 2 3895.2 23.23 172.78

DIFFERENTIAL CORRECTIONS

TDE .1153 TRA -.2742 TC3 .1457 BAU .0824
 RDE -.2041 RRA -.0470 RC3 -.6945 FAU .18908
 FDE-2.8738 FRA -.4943 FC-18.8554 BSP 1972
 BDE .2345 BRA .2782 BC3 .7096 FSP -3379

MID-COURSE EXECUTION ACCURACY

SGT 593.9 SGR 577.7 SG3 1077.9
 RRT -.2144 RRF .9514 RTF -.2261
 SGB 828.5 R23 -.6249 R13 .7178
 SG1 646.1 SG2 518.7 THA 138.68

ORBIT DETERMINATION ACCURACY

ST 277.2 SR 398.1 SS 1498.6
 CRT -.7656 CRS -.9994 CST .7762
 LSA 1565.6 MSA 173.5 SSA 11.4
 EL1 459.9 EL2 154.4 ALF 122.11

LAUNCH DATE JUN 14 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 356.308

RL 151.94 LAL -.00 LOL 262.28 VL 26.945 GAL -1.98 AZL 92.50 MCA 158.27 SMA 130.00 ECC .17222 INC 2.5031 V1 29.322
 RP 107.96 LAP -.93 LOP 60.56 VP 37.916 GAP -1.77 AZP 87.67 TAL 189.60 TAP 347.87 RCA 107.61 APO 152.39 V2 35.101
 RC 82.236 GL -23.87 GP -11.90 ZAL 112.30 ZAP 71.63 ETS 3.84 ZAE 170.24 ETE 311.99 ZAC 98.69 ETC 12.64 CLP -71.21

PLANETOCENTRIC CONIC

C3 8.450 VHL 2.907 OLA -10.20 RAL 141.81 RAD 6567.3 VEL 11.395 PTH 1.97 VHP 3.015 DPA -3.59 RAP 166.83 ECC 1.1391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 40 16 1707.28 -4.90 11.49 350.49 117.92 5 8 43 1107.3 -1.13 4.84
 90.00 14 2 38 4995.45 22.64 219.29 353.01 72.52 15 25 53 4395.5 20.03 211.59
 100.00 5 56 33 1461.17 -5.70 352.95 350.05 119.39 6 20 54 861.2 -1.74 346.40
 100.00 15 29 2 4716.80 23.50 198.49 352.70 70.97 16 47 38 4116.8 20.68 190.83
 110.00 6 53 19 1283.42 -7.77 338.19 348.77 123.39 7 14 42 683.4 -3.33 331.93
 110.00 16 48 45 4467.31 25.76 178.58 351.73 66.72 18 3 13 3867.3 22.39 171.05

DIFFERENTIAL CORRECTIONS

TDE .0537 TRA -.2826 TC3 -.2577 BAU .1067
 RDE -.2144 RRA -.0466 RC3 -.9087 FAU .19844
 FDE-2.8913 FRA -.4714 FC-20.3317 BSP 2101
 BDE .2210 BRA .2864 BC3 .9445 FSP -3579

MID-COURSE EXECUTION ACCURACY

SGT 594.9 SGR 682.9 SG3 1136.7
 RRT .2146 RRF .9729 RTF .2175
 SGB 905.7 R23 .3693 R13 .9001
 SG1 716.9 SG2 553.5 THA 61.40

ORBIT DETERMINATION ACCURACY

ST 200.1 SR 423.8 SS 1489.0
 CRT -.4705 CRS -.9996 CST .4837
 LSA 1551.2 MSA 175.0 SSA 10.4
 EL1 436.1 EL2 171.6 ALF 104.88

LAUNCH DATE JUN 14 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 362.723

RL 151.94 LAL -.00 LOL 262.28 VL 26.952 GAL -1.95 AZL 92.34 MCA 161.49 SMA 130.05 ECC .17164 INC 2.3368 V1 29.322
 RP 107.92 LAP -.74 LOP 63.78 VP 37.933 GAP -1.32 AZP 87.78 TAL 189.49 TAP 350.98 RCA 107.73 APO 152.37 V2 35.113
 RC 84.440 GL -22.57 GP -14.15 ZAL 112.37 ZAP 77.28 ETS 3.23 ZAE 169.90 ETE 284.04 ZAC 101.49 ETC 11.94 CLP -76.88

PLANETOCENTRIC CONIC

C3 8.186 VHL 2.861 OLA -9.04 RAL 142.41 RAD 6567.3 VEL 11.383 PTH 1.97 VHP 2.969 DPA -4.73 RAP 163.75 ECC 1.1347
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 21 1739.16 -5.92 13.28 350.68 117.74 5 2 20 1139.2 -2.16 6.62
 90.00 14 14 19 4951.69 21.71 216.42 352.88 71.36 15 36 51 4351.7 18.97 208.82
 100.00 5 50 16 1490.98 -6.69 354.61 350.26 119.20 6 15 7 891.0 -2.75 348.04
 100.00 15 40 4 4675.10 22.54 195.76 352.56 69.83 16 57 59 4075.1 19.59 188.21
 110.00 6 48 28 1308.78 -8.72 339.54 349.02 123.18 7 10 17 708.8 -4.29 333.25
 110.00 16 58 22 4430.07 24.74 176.17 351.58 65.62 18 12 12 3830.1 21.24 168.77

DIFFERENTIAL CORRECTIONS

TDE -.0058 TRA -.2895 TC3 -.7223 BAU .1522
 RDE -.2259 RRA -.0447 RC3 -1.1881 FAU .20462
 FDE-2.8042 FRA -.4106 FC-21.6402 BSP 2705
 BDE .2260 BRA .2929 BC3 1.3905 FSP -3723

MID-COURSE EXECUTION ACCURACY

SGT 718.0 SGR 821.7 SG3 1177.0
 RRT .5754 RRF .9859 RTF .5800
 SGB 1091.2 R23 .3556 R13 .9196
 SG1 971.6 SG2 496.6 THA 51.61

ORBIT DETERMINATION ACCURACY

ST 176.9 SR 453.7 SS 1445.0
 CRT .1286 CRS -.9997 CST -.1146
 LSA 1514.6 MSA 175.8 SSA 9.5
 EL1 454.4 EL2 175.2 ALF 86.63

LAUNCH DATE JUN 14 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 369.117

RL 151.94 LAL -.00 LOL 262.28 VL 26.956 GAL -1.91 AZL 92.10 HCA 164.71 SMA 130.08 ECC .17126 INC 2.1028 V1 29.322
 RP 107.89 LAP -.55 LOP 67.00 VP 37.947 GAP -.87 AZP 87.97 TAL 189.31 TAP 354.02 RCA 107.80 APO 152.36 V2 35.125
 RC 86.655 GL -20.63 GP -17.15 ZAL 112.40 ZAP 82.92 ETS 2.32 ZAE 166.82 ETE 262.41 ZAC 104.44 ETC 10.85 CLP -82.59

PLANETOCENTRIC CONIC

C3 7.872 VHL 2.806 DLA -7.32 RAL 143.35 RAD 6567.3 VEL 11.369 PTH 1.96 VHP 2.963 DPA -6.57 RAP 160.35 ECC 1.1296
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 35 1787.37 -7.44 16.01 351.16 117.40 4 53 22 1187.4 -3.71 9.31
 90.00 14 31 36 4889.01 20.29 212.37 352.90 69.82 15 53 5 4289.0 17.36 204.92
 100.00 5 41 25 1536.27 -8.19 357.14 350.75 118.85 6 7 1 936.3 -4.28 350.54
 100.00 15 56 27 4615.34 21.09 191.92 352.58 68.31 17 13 23 4015.3 17.96 184.52
 110.00 6 41 38 1347.69 -10.16 341.63 349.56 122.81 7 4 6 747.7 -5.77 335.30
 110.00 17 12 43 4376.68 23.20 172.80 351.57 64.16 18 25 40 3776.7 19.53 165.58

DIFFERENTIAL CORRECTIONS

TOE -.0571 TRA -.2922 TC3-1.2586 BAU .2111
 RDE -.2357 RRA -.0382 RC3-1.5623 FAU .20526
 FDE -2.5576 FRA -.2832 FC-22.5738 BSP 3663
 BDE .2425 BRA .2947 BC3 2.0062 FSP -3751

MID-COURSE EXECUTION ACCURACY

SGT 935.1 SGR 1003.2 SG3 1184.9
 RRT .7703 RRF .9932 RTF .7725
 SGB 1371.4 R23 .2983 R13 .9474
 SG1 1290.7 SG2 463.4 THA 47.61

ORBIT DETERMINATION ACCURACY

ST 216.0 SR 482.6 SS 1341.5
 CRT .5850 CRS -.9997 CST -.5735
 LSA 1431.1 MSA 176.2 SSA 8.7
 EL1 501.1 EL2 168.7 ALF 73.39

LAUNCH DATE JUN 14 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 375.490

RL 151.94 LAL -.00 LOL 262.28 VL 26.957 GAL -1.86 AZL 91.75 HCA 167.93 SMA 130.08 ECC .17106 INC 1.7478 V1 29.322
 RP 107.85 LAP -.37 LOP 70.21 VP 37.958 GAP -.44 AZP 88.29 TAL 189.06 TAP 356.99 RCA 107.83 APO 152.33 V2 35.137
 RC 88.880 GL -17.48 GP -21.46 ZAL 112.44 ZAP 88.41 ETS .90 ZAE 161.44 ETE 251.17 ZAC 107.47 ETC 9.08 CLP -88.29

PLANETOCENTRIC CONIC

C3 7.484 VHL 2.736 DLA -4.50 RAL 144.83 RAD 6567.2 VEL 11.352 PTH 1.96 VHP 3.015 DPA -9.66 RAP 156.52 ECC 1.1232
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 7 58 1867.13 -9.91 20.57 352.14 116.66 4 39 5 1267.1 -6.25 13.80
 90.00 14 59 0 4790.84 17.87 206.19 353.18 67.66 16 18 51 4190.8 14.68 198.96
 100.00 5 27 12 1611.56 -10.63 1.39 351.76 118.10 5 54 3 1011.6 -6.79 354.71
 100.00 16 22 27 4521.66 18.62 186.06 352.84 66.18 17 37 49 3921.7 15.24 178.89
 110.00 6 30 36 1413.07 -12.55 345.19 350.62 122.06 6 54 9 813.1 -8.23 338.76
 110.00 17 35 32 4292.91 20.62 167.66 351.81 62.11 18 47 5 3692.9 16.73 160.70

DIFFERENTIAL CORRECTIONS

TOE -.0876 TRA -.2848 TC3-1.8794 BAU .2826
 RDE -.2379 RRA -.0242 RC3-2.1081 FAU .19922
 FDE -2.1037 FRA -.1003 FC-23.0453 BSP 4932
 BDE .2536 BRA .2859 BC3 2.8243 FSP -3670

MID-COURSE EXECUTION ACCURACY

SGT 1203.8 SGR 1257.5 SG3 1154.2
 RRT .8640 RRF .9971 RTF .8644
 SGB 1740.8 R23 .2422 R13 .9673
 SG1 1680.8 SG2 453.4 THA 46.45

ORBIT DETERMINATION ACCURACY

ST 258.6 SR 499.7 SS 1152.0
 CRT .7372 CRS -.9997 CST -.7273
 LSA 1270.0 MSA 175.2 SSA 8.1
 EL1 538.8 EL2 162.0 ALF 66.91

LAUNCH DATE JUN 14 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 381.842

RL 151.94 LAL -.00 LOL 262.28 VL 26.954 GAL -1.79 AZL 91.14 HCA 171.16 SMA 130.06 ECC .17104 INC 1.1386 V1 29.322
 RP 107.82 LAP -.17 LOP 73.44 VP 37.967 GAP -.02 AZP 88.87 TAL 188.73 TAP 359.89 RCA 107.82 APO 152.31 V2 35.149
 RC 91.113 GL -11.67 GP -28.22 ZAL 112.51 ZAP 93.44 ETS 358.60 ZAE 153.53 ETE 247.11 ZAC 110.47 ETC 6.03 CLP -93.90

PLANETOCENTRIC CONIC

C3 7.007 VHL 2.647 DLA .78 RAL 147.34 RAD 6567.2 VEL 11.331 PTH 1.95 VHP 3.173 DPA -15.10 RAP 151.84 ECC 1.1153
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 38 44 2019.25 -14.40 29.48 354.36 114.65 4 12 23 1419.2 -10.96 22.49
 90.00 15 48 15 4615.23 13.02 195.58 354.19 64.63 17 5 11 4015.2 9.49 188.67
 100.00 5 0 26 1755.71 -15.11 9.75 354.01 116.10 5 29 42 1155.7 -11.48 2.84
 100.00 17 9 14 4354.00 13.72 176.02 353.83 63.18 18 21 48 3754.0 10.02 169.19
 110.00 6 9 31 1539.51 -17.00 352.29 352.96 120.11 6 35 10 939.5 -12.87 345.61
 110.00 18 16 39 4142.97 15.60 158.93 352.76 59.19 19 25 42 3543.0 11.40 152.34

DIFFERENTIAL CORRECTIONS

TOE -.0690 TRA -.2555 TC3-2.6141 BAU .3700
 RDE -.2059 RRA .0113 RC3-2.9611 FAU .18110
 FDE -1.3103 FRA .1707 FC-22.3755 BSP 6530
 BDE .2172 BRA .2557 BC3 3.9499 FSP -3351

MID-COURSE EXECUTION ACCURACY

SGT 1497.8 SGR 1630.0 SG3 1052.9
 RRT .9104 RRF .9990 RTF .9102
 SGB 2213.7 R23 .1910 R13 .9806
 SG1 2163.9 SG2 466.9 THA 47.66

ORBIT DETERMINATION ACCURACY

ST 227.1 SR 448.3 SS 784.1
 CRT .6612 CRS -.9996 CST -.6466
 LSA 915.6 MSA 170.3 SSA 8.7
 EL1 476.2 EL2 160.3 ALF 68.99

LAUNCH DATE JUN 14 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 388.171

RL 151.94 LAL -.00 LOL 262.28 VL 26.948 GAL -1.71 AZL 89.84 HCA 174.38 SMA 130.02 ECC .17117 INC .1274 V1 29.322
 RP 107.78 LAP .02 LOP 76.66 VP 37.973 GAP .40 AZP 90.16 TAL 188.35 TAP 2.73 RCA 107.76 APO 152.27 V2 35.160
 RC 93.352 GL 1.71 GP -40.30 ZAL 112.26 ZAP 97.21 ETS 354.52 ZAE 140.84 ETE 247.55 ZAC 112.96 ETC .14 CLP -99.48

PLANETOCENTRIC CONIC

C3 6.652 VHL 2.579 DLA 13.07 RAL 152.72 RAD 6567.2 VEL 11.316 PTH 1.95 VHP 3.642 DPA -25.49 RAP 144.94 ECC 1.1095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 8 2404.35 -23.68 53.87 1.66 106.00 3 4 13 1804.3 -21.25 46.04
 90.00 17 45 46 4212.00 .43 172.65 359.03 61.69 18 55 58 3612.0 -3.36 166.02
 100.00 3 52 16 2120.11 -24.51 32.69 1.38 107.67 4 27 36 1520.1 -21.86 24.89
 100.00 19 0 19 3971.46 1.19 154.54 358.60 60.13 20 6 30 3371.5 -2.79 148.02
 110.00 5 15 48 1858.76 -26.70 11.96 .50 112.19 5 46 47 1258.8 -23.45 4.31
 110.00 19 53 17 3805.59 3.16 140.72 357.37 55.95 20 56 42 3205.6 -1.33 134.52

DIFFERENTIAL CORRECTIONS

TOE .0973 TRA -.1627 TC3-3.3680 BAU .4820
 RDE -.0235 RRA .1196 RC3-4.2468 FAU .13878
 FDE -.0117 FRA .5390 FC-18.0604 BSP 8563
 BDE .1001 BRA .2019 BC3 5.4202 FSP -2571

MID-COURSE EXECUTION ACCURACY

SGT 1789.6 SGR 2208.2 SG3 811.9
 RRT .9346 RRF .9998 RTF .9350
 SGB 2842.3 R23 .1403 R13 .9899
 SG1 2797.6 SG2 502.3 THA 51.38

ORBIT DETERMINATION ACCURACY

ST 248.6 SR 117.2 SS 145.8
 CRT -.5820 CRS -.9186 CST .2785
 LSA 267.3 MSA 157.9 SSA 19.5
 EL1 259.2 EL2 91.4 ALF 162.39

LAUNCH DATE JUN 14 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 394.470

RL 151.94 LAL -.00 LOL 262.28 VL 26.939 GAL -1.62 AZL 85.05 MCA 177.60 SMA 129.96 ECC .17145 INC 4.9416 V1 29.322
 RP 107.75 LAP .21 LOP 79.88 VP 37.976 GAP .80 AZP 94.94 TAL 187.88 TAP 5.48 RCA 107.68 APO 152.24 V2 35.170
 RC 95.596 GL 41.09 GP -65.50 ZAL 105.33 ZAP 96.80 ETS 346.47 ZAE 116.00 ETE 249.13 ZAC 112.02 ETC 347.28 CLP-106.61

PLANETOCENTRIC CONIC

C3 12.483 VHL 3.533 DLA 48.16 RAL 174.34 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 6.046 DPA -47.08 RAP 128.30 ECC 1.2054
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.27 19 25 21 4170.70 -36.15 192.32 43.49 55.71 20 34 51 3570.7 -40.36 184.06
 130.73 3 37 3 2688.81 -36.14 76.23 43.48 55.70 4 21 51 2088.8 -40.35 67.97
 49.27 19 25 21 4170.70 -36.15 192.32 43.49 55.71 20 34 51 3570.7 -40.36 184.06
 130.73 3 37 3 2688.81 -36.14 76.23 43.48 55.70 4 21 51 2088.8 -40.35 67.97
 49.27 19 25 21 4170.70 -36.15 192.32 43.49 55.71 20 34 51 3570.7 -40.36 184.06
 130.73 3 37 3 2688.81 -36.14 76.23 43.48 55.70 4 21 51 2088.8 -40.35 67.97

DIFFERENTIAL CORRECTIONS

TDE 1.0109 TRA .2633 TC3-2.0216 BAU .5892
 RDE .9471 RRA .6476 RC3-2.8949 FAU .05191
 FDE 1.2294 FRA .8131 FC3-3.5999 BSP 10618
 BDE 1.3852 BRA .6991 BC3 3.5309 FSP -977

MID-COURSE EXECUTION ACCURACY

SGT 2266.7 SGR 3003.6 SG3 327.3
 RRT .9470 RRF .9998 RTF .9511
 SGB 3762.9 R23 .1038 R13 .9945
 SG1 3716.7 SG2 588.2 THA 53.38

ORBIT DETERMINATION ACCURACY

ST 1651.1 SR 1608.0 SS 1087.3
 CRT .9835 CRS-1.0000 CST -.9851
 LSA 2538.4 MSA 225.1 SSA .9
 EL1 2295.2 EL2 209.4 ALF 44.23

LAUNCH DATE JUN 14 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 400.868

RL 151.94 LAL -.00 LOL 262.28 VL 26.927 GAL -1.54 AZL 115.52 MCA 180.92 SMA 129.88 ECC .17193 INC25.5162 V1 29.322
 RP 107.72 LAP .40 LOP 83.11 VP 37.978 GAP 1.23 AZP 64.48 TAL 187.47 TAP 8.39 RCA 107.55 APO 152.21 V2 35.180
 RC 97.843 GL -66.23 GP 86.04 ZAL 94.06 ZAP 93.96 ETS 133.87 ZAE 86.89 ETE 225.91 ZAC 79.73 ETC 136.10 CLP 179.35

PLANETOCENTRIC CONIC

C3 160.589 VHL 12.672 DLA -52.23 RAL 128.80 RAD 6570.7 VEL 16.790 PTH 2.90 VHP 14.348 DPA 69.35 RAP 280.86 ECC 3.6429
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.08 4 8 54 2155.59 9.64 58.22 31.23 141.59 4 44 50 1555.6 15.86 53.48
 135.92 12 50 11 5882.65 9.65 271.98 31.25 141.59 14 28 14 5282.6 15.87 267.25
 44.08 4 8 54 2155.59 9.64 58.22 31.23 141.59 4 44 50 1555.6 15.86 53.48
 135.92 12 50 11 5882.65 9.65 271.98 31.25 141.59 14 28 14 5282.6 15.87 267.25
 44.08 4 8 54 2155.59 9.64 58.22 31.23 141.59 4 44 50 1555.6 15.86 53.48
 135.92 12 50 11 5882.65 9.65 271.98 31.25 141.59 14 28 14 5282.6 15.87 267.25

DIFFERENTIAL CORRECTIONS

TDE-1.9645 TRA -.2488 TC3 .0033 BAU .1080
 RDE-7.7618 RRA-2.1667 RC3 .0502 FAU-.00151
 FDE-2.5295 FRA -.5149 FC3 .0082 BSP 9206
 BDE 8.0066 BRA 2.1810 BC3 .0503 FSP -245

MID-COURSE EXECUTION ACCURACY

SGT 907.0 SGR 3858.8 SG3 104.1
 RRT .9748 RRF .9942 RTF .9931
 SGB 3964.0 R23 -.0962 R13 .9953
 SG1 3959.1 SG2 197.2 THA 77.06

ORBIT DETERMINATION ACCURACY

ST 889.9 SR 3542.0 SS 1424.8
 CRT .9973 CRS -.9993 CST -.9993
 LSA 3919.4 MSA 76.7 SSA .4
 EL1 3651.5 EL2 63.8 ALF 75.93

LAUNCH DATE JUN 14 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 407.084

RL 151.94 LAL -.00 LOL 262.28 VL 26.913 GAL -1.42 AZL 98.23 MCA 184.10 SMA 129.78 ECC .17247 INC 8.2308 V1 29.322
 RP 107.69 LAP .59 LOP 86.34 VP 37.977 GAP 1.61 AZP 81.79 TAL 186.85 TAP 10.95 RCA 107.40 APO 152.17 V2 35.190
 RC 100.092 GL -53.79 GP 47.92 ZAL 100.12 ZAP 106.48 ETS 20.53 ZAE 124.51 ETE 123.53 ZAC 94.74 ETC 28.78 CLP-115.04

PLANETOCENTRIC CONIC

C3 22.800 VHL 4.775 DLA -39.85 RAL 134.21 RAD 6567.9 VEL 12.007 PTH 2.14 VHP 4.340 DPA 57.00 RAP 182.59 ECC 1.3752
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.70 5 32 27 1544.65 25.88 17.26 8.66 121.43 5 58 12 944.7 29.84 9.81
 119.30 12 9 50 5591.23 25.89 260.74 8.67 121.42 13 43 1 4991.2 29.85 253.29
 60.70 5 32 27 1544.65 25.88 17.26 8.66 121.43 5 58 12 944.7 29.84 9.81
 119.30 12 9 50 5591.23 25.89 260.74 8.67 121.42 13 43 1 4991.2 29.85 253.29
 60.70 5 32 27 1544.65 25.88 17.26 8.66 121.43 5 58 12 944.7 29.84 9.81
 119.30 12 9 50 5591.23 25.89 260.74 8.67 121.42 13 43 1 4991.2 29.85 253.29

DIFFERENTIAL CORRECTIONS

TDE-1.6826 TRA -.8221 TC3-1.3825 BAU .5390
 RDE 1.6856 RRA .2882 RC3 1.1023 FAU .09055
 FDE-4.9879 FRA -.9591 FC3-3.4383 BSP 11013
 BDE 2.3817 BRA .8711 BC3 1.7682 FSP -1910

MID-COURSE EXECUTION ACCURACY

SGT 2733.3 SGR 2324.2 SG3 603.9
 RRT -.9527 RRF -.9995 RTF .9603
 SGB 3587.9 R23 .1529 R13 -.9881
 SG1 3546.3 SG2 344.2 THA 139.85

ORBIT DETERMINATION ACCURACY

ST 2055.9 SR 2027.4 SS 2251.0
 CRT -.9926 CRS 1.0000 CST -.9935
 LSA 3655.7 MSA 199.9 SSA 1.0
 EL1 2882.0 EL2 175.9 ALF 135.40

LAUNCH DATE JUN 14 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 413.338

RL 151.94 LAL -.00 LOL 262.28 VL 26.897 GAL -1.30 AZL 96.08 MCA 187.33 SMA 129.67 ECC .17317 INC 6.0804 V1 29.322
 RP 107.66 LAP .78 LOP 89.57 VP 37.974 GAP 1.99 AZP 83.97 TAL 186.21 TAP 13.55 RCA 107.22 APO 152.13 V2 35.199
 RC 102.344 GL -46.56 GP 30.34 ZAL 101.47 ZAP 114.37 ETS 16.46 ZAE 137.49 ETE 135.58 ZAC 102.77 ETC 26.21 CLP-118.57

PLANETOCENTRIC CONIC

C3 15.393 VHL 3.923 DLA -33.55 RAL 138.64 RAD 6567.6 VEL 11.695 PTH 2.06 VHP 3.574 DPA 42.17 RAP 167.81 ECC 1.2533
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 71.21 6 46 31 1285.31 24.73 355.73 4.61 113.42 7 7 56 685.3 27.68 347.85
 108.79 11 31 3 5666.09 24.75 266.10 4.62 113.41 13 5 30 5066.1 27.69 258.22
 71.21 6 46 31 1285.31 24.73 355.73 4.61 113.42 7 7 56 685.3 27.68 347.85
 108.79 11 31 3 5666.09 24.75 266.10 4.62 113.41 13 5 30 5066.1 27.69 258.22
 110.00 10 48 30 5796.39 20.63 274.08 2.47 117.88 12 25 7 5196.4 24.19 266.75
 110.00 12 28 15 5491.04 28.99 254.34 6.46 108.96 13 59 46 4891.0 31.30 245.89

DIFFERENTIAL CORRECTIONS

TDE-1.3947 TRA -.6300 TC3-2.2865 BAU .5182
 RDE .8267 RRA .0836 RC3 1.0547 FAU .13010
 FDE-5.2721 FRA -.6288 FC3-7.3170 BSP 9567
 BDE 1.6213 BRA .6355 BC3 2.5180 FSP -2487

MID-COURSE EXECUTION ACCURACY

SGT 2930.2 SGR 1471.0 SG3 835.2
 RRT -.9525 RRF -.9991 RTF .9602
 SGB 3278.7 R23 .2192 R13 -.9752
 SG1 3253.8 SG2 403.5 THA 154.02

ORBIT DETERMINATION ACCURACY

ST 2064.3 SR 1208.3 SS 2380.3
 CRT -.9922 CRS 1.0000 CST -.9930
 LSA 3368.8 MSA 195.4 SSA 1.7
 EL1 2388.3 EL2 130.1 ALF 149.75

LAUNCH DATE JUN 14 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 419.571

RL 151.94 LAL -.00 LOL 262.28 VL 26.879 GAL -1.16 AZL 95.24 HCA 190.57 SMA 129.55 ECC .17400 INC 5.2420 V1 29.322
 RP 107.63 LAP .96 LOP 92.80 VP 37.969 GAP 2.37 AZP 84.85 TAL 185.54 TAP 16.11 RCA 107.01 APO 152.09 V2 35.208
 RC 104.596 GL -42.72 GP 21.39 ZAL 101.42 ZAP 119.89 ETS 14.04 ZAE 141.63 ETE 146.70 ZAC 106.91 ETC 24.28 CLP-122.36

PLANETOCENTRIC CONIC

C3 13.097 VHL 3.619 DLA -30.43 RAL 141.46 RAD 6567.5 VEL 11.597 PTH 2.03 VHP 3.443 DPA 34.27 RAP 162.38 ECC 1.2155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.36 7 46 21 1097.80 23.40 340.89 3.99 110.03 8 4 39 497.8 25.91 332.95
 101.64 10 53 46 5782.34 23.41 274.35 4.00 110.02 12 30 8 5182.3 25.92 266.40
 78.36 7 46 21 1097.80 23.40 340.89 3.99 110.03 8 4 39 497.8 25.91 332.95
 101.64 10 53 46 5782.34 23.41 274.35 4.00 110.02 12 30 8 5182.3 25.92 266.40
 110.00 9 49 28 696.74 14.26 307.07 359.35 121.40 10 1 4 96.7 18.32 300.30
 110.00 13 49 50 5231.39 33.24 235.34 6.83 98.49 15 17 1 4631.4 34.05 226.20

DIFFERENTIAL CORRECTIONS

TDE-1.3528 TRA -.5696 TC3-3.0086 BAU .5478
 RDE .5212 RRA .0380 RC3 .8582 FAU .14595
 FDE-5.0456 FRA -.4410 FC3-9.6473 BSP 10268
 BDE 1.4498 BRA .5708 BC3 3.1286 FSP -2883

MID-COURSE EXECUTION ACCURACY

SGT 3228.5 SGR 1035.2 SG3 919.4
 RRT -.9554 RRF -.9973 RTF .9653
 SGB 3390.4 R23 .2283 R13 -.9718
 SG1 3377.7 SG2 292.3 THA 162.84

ORBIT DETERMINATION ACCURACY

ST 2165.6 SR 825.6 SS 2378.3
 CRT -.9928 CRS 1.0000 CST -.9934
 LSA 3315.4 MSA 189.8 SSA 2.7
 EL1 2315.8 EL2 92.7 ALF 159.23

LAUNCH DATE JUN 14 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 425.788

RL 151.94 LAL -.00 LOL 262.28 VL 26.859 GAL -1.02 AZL 94.79 HCA 193.81 SMA 129.41 ECC .17496 INC 4.7924 V1 29.322
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.962 GAP 2.74 AZP 85.35 TAL 184.81 TAP 18.62 RCA 106.77 APO 152.06 V2 35.216
 RC 106.849 GL -40.34 GP 16.18 ZAL 100.78 ZAP 124.35 ETS 12.45 ZAE 142.38 ETE 154.97 ZAC 109.23 ETC 22.86 CLP-125.98

PLANETOCENTRIC CONIC

C3 12.012 VHL 3.466 DLA -28.73 RAL 143.73 RAD 6567.5 VEL 11.550 PTH 2.02 VHP 3.462 DPA 29.61 RAP 159.60 ECC 1.1977
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.93 8 46 44 914.81 22.54 327.02 4.50 108.30 9 1 58 314.8 24.83 319.07
 95.07 10 11 30 640.36 22.55 306.92 4.50 108.29 10 22 10 40.4 24.84 298.97
 100.00 9 40 34 740.03 17.70 312.24 2.48 114.49 9 52 54 140.0 20.86 304.87
 100.00 12 0 21 5578.42 27.57 260.51 6.00 102.04 13 33 19 4978.4 28.95 251.98
 110.00 9 34 22 759.54 12.01 310.53 359.30 122.25 9 47 1 159.5 16.18 303.91
 110.00 14 23 2 5131.67 33.98 227.65 7.05 94.00 15 48 34 4531.7 34.16 218.41

DIFFERENTIAL CORRECTIONS

TDE-1.3589 TRA -.5152 TC3-3.5496 BAU .5792
 RDE .3672 RRA .0156 RC3 .6401 FAU .14608
 FDE-4.6627 FRA -.2194 FC-10.5288 BSP 10819
 BDE 1.4076 BRA .5154 BC3 3.6068 FSP -2907

MID-COURSE EXECUTION ACCURACY

SGT 3470.4 SGR 752.5 SG3 917.8
 RRT -.9512 RRF -.9920 RTF .9677
 SGB 3551.1 R23 .2189 R13 -.9707
 SG1 3543.8 SG2 227.5 THA 168.30

ORBIT DETERMINATION ACCURACY

ST 2266.5 SR 607.3 SS 2306.8
 CRT -.9934 CRS 1.0000 CST -.9936
 LSA 3285.3 MSA 185.6 SSA 3.8
 EL1 2345.5 EL2 67.3 ALF 165.08

LAUNCH DATE JUN 14 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 431.988

RL 151.94 LAL -.00 LOL 262.28 VL 26.837 GAL -.86 AZL 94.51 HCA 197.05 SMA 129.27 ECC .17605 INC 4.5112 V1 29.322
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.953 GAP 3.11 AZP 85.69 TAL 184.03 TAP 21.08 RCA 106.51 APO 152.02 V2 35.223
 RC 109.101 GL -38.71 GP 12.82 ZAL 99.80 ZAP 128.19 ETS 11.31 ZAE 141.82 ETE 160.84 ZAC 110.58 ETC 21.77 CLP-129.35

PLANETOCENTRIC CONIC

C3 11.393 VHL 3.375 DLA -27.77 RAL 145.80 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 3.536 DPA 26.55 RAP 158.04 ECC 1.1875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 48 28 925.48 18.82 326.36 4.32 111.56 9 3 54 325.5 21.58 318.78
 90.00 10 26 13 607.56 25.35 305.38 6.51 103.07 10 36 20 7.6 26.90 297.06
 100.00 9 24 20 809.57 15.69 316.42 2.88 115.77 9 37 49 209.6 19.03 309.22
 100.00 12 33 2 5486.75 28.70 253.93 7.24 98.76 14 4 29 4886.7 29.61 245.24
 110.00 9 30 41 789.60 10.91 312.17 .14 122.60 9 43 51 189.6 15.13 305.61
 110.00 14 43 11 5079.47 34.15 223.59 7.82 91.60 16 7 50 4479.5 33.99 214.34

DIFFERENTIAL CORRECTIONS

TDE-1.3881 TRA -.4626 TC3-3.9909 BAU .6118
 RDE .2801 RRA .0053 RC3 .4554 FAU .14025
 FDE-4.2868 FRA -.0144 FC-10.6575 BSP 11409
 BDE 1.4161 BRA .4626 BC3 4.0168 FSP -2809

MID-COURSE EXECUTION ACCURACY

SGT 3687.5 SGR 566.2 SG3 884.1
 RRT -.9375 RRF -.9788 RTF .9687
 SGB 3730.8 R23 .1958 R13 -.9702
 SG1 3725.7 SG2 195.1 THA 171.79

ORBIT DETERMINATION ACCURACY

ST 2372.7 SR 475.5 SS 2224.3
 CRT -.9943 CRS .9999 CST -.9938
 LSA 3281.8 MSA 182.5 SSA 4.9
 EL1 2419.4 EL2 49.8 ALF 168.73

LAUNCH DATE JUN 14 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 438.168

RL 151.94 LAL -.00 LOL 262.28 VL 26.814 GAL -.69 AZL 94.32 HCA 200.29 SMA 129.11 ECC .17726 INC 4.3176 V1 29.322
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.943 GAP 3.48 AZP 85.95 TAL 183.21 TAP 23.50 RCA 106.22 APO 151.99 V2 35.230
 RC 111.351 GL -37.48 GP 10.50 ZAL 98.58 ZAP 131.62 ETS 10.46 ZAE 140.75 ETE 165.01 ZAC 111.29 ETC 20.89 CLP-132.50

PLANETOCENTRIC CONIC

C3 11.006 VHL 3.318 DLA -27.24 RAL 147.80 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 3.638 DPA 24.35 RAP 157.20 ECC 1.1811
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 36 52 982.80 17.35 329.92 5.21 112.74 8 53 14 382.8 20.28 322.48
 90.00 10 53 47 5824.03 26.35 278.29 8.12 100.76 12 30 51 5224.0 27.57 269.84
 100.00 9 21 18 839.24 14.81 318.18 4.00 116.27 9 35 17 239.2 18.22 311.05
 100.00 12 52 2 5442.83 29.11 250.73 8.61 97.12 14 22 45 4842.8 29.79 241.99
 110.00 9 32 31 804.00 10.38 312.95 1.44 122.75 9 45 55 204.0 14.63 306.42
 110.00 14 57 18 5050.84 34.18 221.35 9.00 90.28 16 21 28 4450.8 33.84 212.12

DIFFERENTIAL CORRECTIONS

TDE-1.4315 TRA -.4098 TC3-4.3732 BAU .6451
 RDE .2275 RRA .0019 RC3 .3083 FAU .13274
 FDE-3.9579 FRA .1583 FC-10.4413 BSP 12036
 BDE 1.4494 BRA .4098 BC3 4.3841 FSP -2680

MID-COURSE EXECUTION ACCURACY

SGT 3894.3 SGR 442.9 SG3 841.3
 RRT -.9088 RRF -.9510 RTF .9693
 SGB 3919.4 R23 .1630 R13 -.9701
 SG1 3915.1 SG2 183.8 THA 174.08

ORBIT DETERMINATION ACCURACY

ST 2485.3 SR 392.9 SS 2149.8
 CRT -.9954 CRS .9998 CST -.9940
 LSA 3304.6 MSA 179.4 SSA 6.0
 EL1 2515.9 EL2 37.0 ALF 171.05

LAUNCH DATE JUN 14 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 444.331

RL 151.94 LAL -.00 LOL 262.28 VL 26.789 GAL -.51 AZL 94.18 HCA 203.53 SMA 128.94 ECC .17860 INC 4.1755 V1 29.322
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.931 GAP 3.84 AZP 86.17 TAL 182.35 TAP 25.88 RCA 105.91 APO 151.97 V2 35.236
 RC 113.598 GL -36.49 GP 8.81 ZAL 97.19 ZAP 134.74 ETS 9.79 ZAE 139.51 ETE 168.04 ZAC 111.56 ETC 20.14 CLP-135.42

PLANETOCENTRIC CONIC

C3 10.757 VHL 3.280 DLA -26.99 RAL 149.80 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 3.756 DPA 22.66 RAP 156.86 ECC 1.1770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 37 18 1003.17 16.80 331.18 6.65 113.13 8 54 1 403.2 19.79 323.78
 90.00 11 9 20 5794.31 26.71 276.19 9.80 99.76 12 45 54 5194.3 27.79 327.69
 100.00 9 24 27 850.87 14.46 318.87 5.53 116.45 9 38 37 250.9 17.89 311.76
 100.00 13 4 52 5421.84 29.28 249.19 10.21 96.33 14 35 14 4821.8 29.84 240.43
 110.00 9 37 41 809.32 10.19 313.24 3.04 122.81 9 51 10 209.3 14.44 306.72
 110.00 15 8 8 5036.15 34.18 220.20 10.51 89.60 16 32 4 4436.1 33.75 210.99

DIFFERENTIAL CORRECTIONS

TDE-1.4808 TRA -3.516 TC3-4.7002 BAU .6765
 RDE .1940 RRA .0019 RC3 .1895 FAU .12441
 FDE-3.6636 FRA .3119 FC-10.0128 BSP 12640
 BDE 1.4935 BRA .3516 BC3 4.7041 FSP -2538

MID-COURSE EXECUTION ACCURACY

SGT 4083.2 SGR 361.0 SG3 794.1
 RRT -.8565 RRF -.8991 RTF .9695
 SGB 4099.2 R23 .1297 R13 -.9700
 SG1 4095.0 SG2 185.8 THA 175.66

ORBIT DETERMINATION ACCURACY

ST 2596.7 SR 338.9 SS 2078.9
 CRT -.9968 CRS .9993 CST -.9941
 LSA 3339.0 MSA 176.3 SSA 7.1
 EL1 2618.6 EL2 26.9 ALF 172.59

LAUNCH DATE JUN 14 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 450.474

RL 151.94 LAL -.00 LOL 262.28 VL 26.763 GAL -.32 AZL 94.07 HCA 206.78 SMA 128.77 ECC .18007 INC 4.0660 V1 29.322
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.918 GAP 4.20 AZP 86.37 TAL 181.45 TAP 28.23 RCA 105.58 APO 151.95 V2 35.241
 RC 115.842 GL -35.65 GP 7.53 ZAL 95.64 ZAP 137.59 ETS 9.24 ZAE 138.25 ETE 170.30 ZAC 111.48 ETC 19.49 CLP-138.13

PLANETOCENTRIC CONIC

C3 10.602 VHL 3.256 DLA -26.93 RAL 151.85 RAD 6567.4 VEL 11.489 PTH 2.00 VHP 3.886 DPA 21.28 RAP 156.90 ECC 1.1745
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 43 39 1006.26 16.72 331.36 8.45 113.19 9 0 25 406.3 19.72 323.97
 90.00 11 19 19 5785.28 26.82 275.55 11.62 99.46 12 55 45 5185.3 27.85 267.03
 100.00 9 31 24 851.99 14.42 318.93 7.34 116.47 9 45 36 252.0 17.86 311.83
 100.00 13 14 15 5414.78 29.33 248.67 12.01 96.06 14 44 30 4814.8 29.86 239.91
 110.00 9 45 7 808.90 10.20 313.21 4.88 122.80 9 58 36 208.9 14.45 306.69
 110.00 15 17 1 5030.63 34.18 219.77 12.28 89.34 16 40 52 4430.6 33.71 210.56

DIFFERENTIAL CORRECTIONS

TDE-1.5386 TRA -.2923 TC3-4.9944 BAU .7080
 RDE .1730 RRA .0048 RC3 .0948 FAU .11656
 FDE-3.4191 FRA .4294 FC3-9.5183 BSP 13270
 BDE 1.5483 BRA .2924 BC3 4.9953 FSP -2410

MID-COURSE EXECUTION ACCURACY

SGT 4270.9 SGR 310.8 SG3 749.9
 RRT -.7764 RRF -.8179 RTF .9700
 SGB 4282.2 R23 .1002 R13 -.9703
 SG1 4277.7 SG2 195.6 THA 176.76

ORBIT DETERMINATION ACCURACY

ST 2714.7 SR 304.5 SS 2022.7
 CRT -.9981 CRS .9984 CST -.9944
 LSA 3394.7 MSA 172.2 SSA 8.3
 EL1 2731.6 EL2 18.8 ALF 173.61

LAUNCH DATE JUN 14 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 456.599

RL 151.94 LAL -.00 LOL 262.28 VL 26.736 GAL -.11 AZL 93.98 HCA 210.02 SMA 128.58 ECC .18167 INC 3.9786 V1 29.322
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.903 GAP 4.56 AZP 86.55 TAL 180.51 TAP 30.53 RCA 105.22 APO 151.94 V2 35.246
 RC 118.080 GL -34.89 GP 6.54 ZAL 93.96 ZAP 140.21 ETS 8.79 ZAE 137.05 ETE 172.02 ZAC 111.12 ETC 18.90 CLP-140.66

PLANETOCENTRIC CONIC

C3 10.516 VHL 3.243 DLA -26.99 RAL 153.96 RAD 6567.4 VEL 11.485 PTH 2.00 VHP 4.024 DPA 20.09 RAP 157.23 ECC 1.1731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 53 58 998.34 16.93 330.88 10.51 113.04 9 10 36 398.3 19.91 323.47
 90.00 11 25 51 5789.93 26.76 275.88 13.61 99.61 13 2 21 5189.9 27.82 267.37
 100.00 9 41 5 846.11 14.60 318.59 9.40 116.38 9 55 11 246.1 18.03 311.47
 100.00 13 21 25 5417.38 29.31 248.86 14.01 96.16 14 51 43 4817.4 29.85 240.10
 110.00 9 54 18 804.62 10.36 312.98 6.93 122.76 10 7 42 204.6 14.60 306.46
 110.00 15 24 42 5031.64 34.18 219.85 14.29 89.39 16 48 33 4431.6 33.72 210.64

DIFFERENTIAL CORRECTIONS

TDE-1.5981 TRA -.2244 TC3-5.2480 BAU .7378
 RDE .1597 RRA .0087 RC3 .0182 FAU .10904
 FDE-3.1994 FRA .5400 FC3-8.9767 BSP 13912
 BDE 1.6061 BRA .2246 BC3 5.2480 FSP -2299

MID-COURSE EXECUTION ACCURACY

SGT 4444.8 SGR 282.9 SG3 707.2
 RRT -.6716 RRF -.7103 RTF .9703
 SGB 4453.8 R23 .0773 R13 -.9705
 SG1 4448.8 SG2 209.4 THA 177.55

ORBIT DETERMINATION ACCURACY

ST 2828.6 SR 282.2 SS 1969.3
 CRT -.9990 CRS .9967 CST -.9946
 LSA 3454.0 MSA 168.1 SSA 9.4
 EL1 2842.6 EL2 12.7 ALF 174.31

LAUNCH DATE JUN 14 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 462.705

RL 151.94 LAL -.00 LOL 262.28 VL 26.707 GAL .10 AZL 93.91 HCA 213.27 SMA 128.40 ECC .18340 INC 3.9068 V1 29.322
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.887 GAP 4.92 AZP 86.73 TAL 179.54 TAP 32.80 RCA 104.85 APO 151.94 V2 35.250
 RC 120.312 GL -34.18 GP 5.75 ZAL 92.17 ZAP 142.64 ETS 8.40 ZAE 135.92 ETE 173.36 ZAC 110.52 ETC 18.37 CLP-140.02

PLANETOCENTRIC CONIC

C3 10.489 VHL 3.239 DLA -27.15 RAL 156.15 RAD 6567.4 VEL 11.484 PTH 2.00 VHP 4.168 DPA 19.04 RAP 157.80 ECC 1.1726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 7 26 982.10 17.36 329.88 12.82 112.73 9 23 48 382.1 20.29 322.43
 90.00 11 29 51 5805.13 26.59 276.96 15.75 100.13 13 6 36 5205.1 27.71 268.47
 100.00 9 52 53 835.25 14.93 317.95 11.67 116.20 10 6 48 235.3 18.33 310.81
 100.00 13 27 5 5427.21 29.23 249.59 16.19 96.53 14 57 32 4827.2 29.83 240.83
 110.00 10 4 50 797.73 10.61 312.61 9.17 122.69 10 18 8 197.7 14.85 306.07
 110.00 15 31 37 5037.50 34.18 220.31 16.51 89.66 16 55 35 4437.5 33.76 211.09

DIFFERENTIAL CORRECTIONS

TDE-1.6449 TRA -.1377 TC3-5.4100 BAU .7587
 RDE .1504 RRA .0126 RC3 -.0494 FAU .09962
 FDE-2.9521 FRA .6715 FC3-8.2218 BSP 14162
 BDE 1.6518 BRA .1383 BC3 5.4103 FSP -2094

MID-COURSE EXECUTION ACCURACY

SGT 4563.3 SGR 269.1 SG3 654.7
 RRT -.5446 RRF -.5812 RTF .9687
 SGB 4571.2 R23 .0624 R13 -.9688
 SG1 4565.6 SG2 225.6 THA 178.16

ORBIT DETERMINATION ACCURACY

ST 2913.1 SR 266.1 SS 1887.2
 CRT -.9992 CRS .9939 CST -.9945
 LSA 3477.2 MSA 166.1 SSA 10.5
 EL1 2925.2 EL2 10.5 ALF 174.78

LAUNCH DATE JUN 14 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 468.791

RL 151.94 LAL -.00 LOL 262.28 VL 26.678 GAL .33 AZL 93.85 HCA 216.51 SMA 128.20 ECC .18528 INC 3.8464 V1 29.322
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.869 GAP 5.28 AZP 86.91 TAL 178.53 TAP 35.04 RCA 104.45 APO 151.95 V2 35.253
 RC 122.538 GL -33.50 GP 5.11 ZAL 90.27 ZAP 144.91 ETS 8.07 ZAE 134.87 ETE 174.41 ZAC 109.72 ETC 17.87 CLP-145.23

PLANETOCENTRIC CONIC

C3 10.516 VHL 3.243 DLA -27.38 RAL 158.42 RAD 6567.4 VEL 11.485 PTH 2.00 VHP 4.319 DPA 18.07 RAP 158.57 ECC 1.1731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 23 45 958.57 17.98 328.43 15.36 112.25 9 39 44 358.6 20.84 320.92
 90.00 11 31 37 5829.68 26.28 278.69 18.03 100.94 13 8 47 5229.7 27.53 270.24
 100.00 10 6 25 820.70 15.36 317.09 14.14 115.96 10 20 6 220.7 18.73 309.91
 100.00 13 31 39 5442.77 29.11 250.73 18.54 97.12 15 2 21 4842.8 29.79 241.99
 110.00 10 16 28 789.15 10.93 312.15 11.59 122.59 10 29 37 189.2 15.15 305.59
 110.00 15 38 5 5047.08 34.18 221.06 18.92 90.11 17 2 12 4447.1 33.82 211.83

DIFFERENTIAL CORRECTIONS

TDE-1.7110 TRA -.0545 TC3-5.5825 BAU .7849
 RDE .1468 RRA .0181 RC3 -.0994 FAU .09281
 FDE-2.7854 FRA .7585 FC3-7.6406 BSP 14670
 BDE 1.7173 BRA .0574 BC3 5.5834 FSP -1975

MID-COURSE EXECUTION ACCURACY

SGT 4718.0 SGR 269.6 SG3 617.3
 RRT -.4359 RRF -.4685 RTF .9687
 SGB 4725.7 R23 .0502 R13 -.9688
 SG1 4719.5 SG2 242.6 THA 178.57

ORBIT DETERMINATION ACCURACY

ST 3025.2 SR 259.6 SS 1845.0
 CRT -.9986 CRS .9904 CST -.9947
 LSA 3549.2 MSA 162.2 SSA 11.6
 EL1 3036.3 EL2 13.7 ALF 175.10

LAUNCH DATE JUN 14 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 474.858

RL 151.94 LAL -.00 LOL 262.28 VL 26.648 GAL .58 AZL 93.79 HCA 219.76 SMA 128.00 ECC .18730 INC 3.7946 V1 29.322
 RP 107.49 LAP 2.43 LOP 121.97 VP 37.850 GAP 5.63 AZP 87.08 TAL 177.49 TAP 37.25 RCA 104.03 APO 151.98 V2 35.256
 RC 124.755 GL -32.81 GP 4.58 ZAL 88.28 ZAP 147.02 ETS 7.78 ZAE 133.92 ETE 175.26 ZAC 108.75 ETC 17.40 CLP-147.30

PLANETOCENTRIC CONIC

C3 10.592 VHL 3.255 DLA -27.65 RAL 160.77 RAD 6567.4 VEL 11.488 PTH 2.00 VHP 4.475 DPA 17.15 RAP 159.51 ECC 1.1743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 43 8 927.13 18.78 326.47 18.13 111.59 9 58 35 327.1 21.54 318.89
 90.00 11 31 0 5864.05 25.81 281.10 20.43 102.06 13 8 44 5264.1 27.22 272.71
 100.00 10 21 27 803.29 15.88 316.05 16.80 115.66 10 34 51 203.3 19.20 308.83
 100.00 13 35 22 5463.13 28.93 252.21 21.05 97.88 15 6 25 4863.1 29.72 243.50
 110.00 10 29 0 779.59 11.28 311.63 14.17 122.48 10 42 0 179.6 15.48 305.05
 110.00 15 44 19 5059.60 34.18 222.04 21.51 90.68 17 8 39 4459.6 33.89 212.80

DIFFERENTIAL CORRECTIONS

TDE-1.7759 TRA .0357 TC3-5.7203 BAU .8103
 RDE .1460 RRA .0238 RC3 -.1391 FAU .08648
 FDE-2.6274 FRA .8330 FC3-7.0683 BSP 15171
 BDE 1.7819 BRA .0429 BC3 5.7220 FSP -1869

MID-COURSE EXECUTION ACCURACY

SGT 4862.4 SGR 276.6 SG3 581.5
 RRT -.3443 RRF -.3727 RTF .9689
 SGB 4870.3 R23 .0406 R13 -.9689
 SG1 4863.4 SG2 259.7 THA 178.87

ORBIT DETERMINATION ACCURACY

ST 3128.4 SR 257.5 SS 1799.3
 CRT -.9970 CRS .9861 CST -.9950
 LSA 3614.7 MSA 157.8 SSA 12.7
 EL1 3138.9 EL2 19.8 ALF 175.31

LAUNCH DATE JUN 14 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 480.904

RL 151.94 LAL -.00 LOL 262.28 VL 26.617 GAL .84 AZL 93.75 HCA 223.01 SMA 127.80 ECC .18947 INC 3.7494 V1 29.322
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.830 GAP 5.99 AZP 87.26 TAL 176.42 TAP 39.43 RCA 103.58 APO 152.01 V2 35.258
 RC 126.964 GL -32.11 GP 4.14 ZAL 86.20 ZAP 149.00 ETS 7.53 ZAE 133.06 ETE 175.96 ZAC 107.64 ETC 16.97 CLP-149.25

PLANETOCENTRIC CONIC

C3 10.720 VHL 3.274 DLA -27.95 RAL 163.20 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 4.635 DPA 16.26 RAP 160.61 ECC 1.1764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 6 43 884.19 19.83 323.76 21.15 110.64 10 21 27 284.2 22.46 316.07
 90.00 11 26 51 623.82 25.09 306.51 22.90 103.57 11 37 15 23.8 26.71 298.21
 100.00 10 37 50 783.58 16.46 314.87 19.65 115.31 10 50 53 183.6 19.73 307.61
 100.00 13 38 25 5487.70 28.69 254.00 23.70 98.79 15 9 53 4887.7 29.60 245.31
 110.00 10 42 16 769.61 11.64 311.08 16.92 122.37 10 55 6 169.6 15.83 304.48
 110.00 15 50 28 5074.44 34.16 223.19 24.27 91.37 17 15 2 4474.4 33.97 213.95

DIFFERENTIAL CORRECTIONS

TDE-1.8365 TRA .1392 TC3-5.8005 BAU .8316
 RDE .1475 RRA .0296 RC3 -.1709 FAU .08001
 FDE-2.4714 FRA .9106 FC3-6.4621 BSP 15529
 BDE 1.8424 BRA .1423 BC3 5.8030 FSP -1748

MID-COURSE EXECUTION ACCURACY

SGT 4983.2 SGR 287.3 SG3 545.5
 RRT -.2711 RRF -.2959 RTF .9684
 SGB 4991.4 R23 .0339 R13 -.9685
 SG1 4983.8 SG2 276.5 THA 179.10

ORBIT DETERMINATION ACCURACY

ST 3216.9 SR 258.7 SS 1746.4
 CRT -.9944 CRS .9807 CST -.9951
 LSA 3666.3 MSA 154.5 SSA 13.7
 EL1 3227.2 EL2 27.1 ALF 175.43

LAUNCH DATE JUN 14 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 486.929

RL 151.94 LAL -.00 LOL 262.28 VL 26.585 GAL 1.11 AZL 93.71 HCA 226.26 SMA 127.59 ECC .19180 INC 3.7094 V1 29.322
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.809 GAP 6.35 AZP 87.43 TAL 175.32 TAP 41.58 RCA 103.12 APO 152.06 V2 35.259
 RC 129.165 GL -31.39 GP 3.77 ZAL 84.04 ZAP 150.86 ETS 7.31 ZAE 132.27 ETE 176.53 ZAC 106.39 ETC 16.56 CLP-151.09

PLANETOCENTRIC CONIC

C3 10.899 VHL 3.301 DLA -28.26 RAL 165.71 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 4.801 DPA 15.40 RAP 161.82 ECC 1.1794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 41 15 807.83 21.58 318.84 24.58 108.79 10 54 43 207.8 23.95 310.97
 90.00 11 12 21 706.96 23.64 312.17 25.28 106.05 11 24 8 107.0 25.62 304.05
 100.00 10 55 23 762.04 17.08 313.58 22.66 114.91 11 8 5 162.0 20.30 306.26
 100.00 13 40 54 5516.02 28.37 256.05 26.49 99.83 15 12 50 4916.0 29.44 247.40
 110.00 10 56 7 759.77 12.00 310.55 19.81 122.25 11 8 47 159.8 16.17 303.92
 110.00 15 56 40 5091.06 34.12 224.49 27.19 92.14 17 21 31 4491.1 34.04 215.25

DIFFERENTIAL CORRECTIONS

TDE-1.9026 TRA .2486 TC3-5.8533 BAU .8534
 RDE .1512 RRA .0354 RC3 -.1942 FAU .07431
 FDE-2.3400 FRA .9759 FC3-5.9027 BSP 15959
 BDE 1.9086 BRA .2511 BC3 5.8566 FSP -1654

MID-COURSE EXECUTION ACCURACY

SGT 5106.8 SGR 300.3 SG3 513.9
 RRT -.2195 RRF -.2417 RTF .9683
 SGB 5115.7 R23 .0292 R13 -.9684
 SG1 5107.3 SG2 292.9 THA 179.26

ORBIT DETERMINATION ACCURACY

ST 3307.3 SR 263.3 SS 1702.2
 CRT -.9911 CRS .9748 CST -.9953
 LSA 3725.8 MSA 151.0 SSA 14.6
 EL1 3317.5 EL2 35.0 ALF 175.49

LAUNCH DATE JUN 14 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 492.932

RL 151.94 LAL -.00 LOL 262.28 VL 26.553 GAL 1.39 AZL 93.67 HCA 229.50 SMA 127.38 ECC .19429 INC 3.6735 V1 29.322
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.786 GAP 6.71 AZP 87.61 TAL 174.20 TAP 43.71 RCA 102.63 APO 152.13 V2 35.259
 RC 131.355 GL -30.64 GP 3.45 ZAL 81.82 ZAP 152.62 ETS 7.13 ZAE 131.56 ETE 177.00 ZAC 105.02 ETC 16.17 CLP-152.82

PLANETOCENTRIC CONIC

C3 11.134 VHL 3.337 DLA -28.58 RAL 168.30 RAD 6567.4 VEL 11.512 PTH 2.01 VHP 4.972 DPA 14.54 RAP 163.15 ECC 1.1832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.99 10 33 32 870.54 22.76 323.85 27.91 107.76 10 48 2 270.5 24.97 315.86
 94.01 11 40 41 653.01 22.77 307.93 27.92 107.75 11 51 34 53.0 24.98 299.94
 100.00 11 14 3 738.96 17.73 312.18 25.85 114.46 11 26 22 139.0 20.89 304.80
 100.00 13 42 51 5547.86 27.98 258.33 29.39 100.97 15 15 18 4947.9 29.21 249.74
 110.00 11 10 22 750.56 12.33 310.04 22.84 122.14 11 22 52 150.6 16.49 303.40
 110.00 16 3 1 5109.03 34.07 225.89 30.26 92.96 17 28 10 4509.0 34.11 216.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9673 TRA .3681 TC3-5.8645 BAU .8735
 RDE .1567 RRA .0411 RC3 -.2108 FAU .06889
 FDE-2.2152 FRA 1.0373 FC3-5.3565 BSP 16344
 BDE 1.9735 BRA .3704 BC3 5.8683 FSP -1561

SGT 5219.8 SGR 314.0 SG3 483.8
 RRT -.1833 RRF -.2034 RTF .9681
 SGB 5229.3 R23 .0257 R13 -.9681
 SG1 5220.1 SG2 308.6 THA 179.37

ST 3387.0 SR 270.1 SS 1655.3
 CRT -.9870 CRS .9685 CST -.9955
 LSA 3776.6 MSA 148.2 SSA 15.5
 EL1 3397.4 EL2 43.2 ALF 175.50

LAUNCH DATE JUN 14 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 498.913

RL 151.94 LAL -.00 LOL 262.28 VL 26.520 GAL 1.69 AZL 93.64 HCA 232.75 SMA 127.17 ECC .19697 INC 3.6409 V1 29.322
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.762 GAP 7.08 AZP 87.79 TAL 173.06 TAP 45.81 RCA 102.12 APO 152.22 V2 35.259
 RC 133.537 GL -29.86 GP 3.18 ZAL 79.55 ZAP 154.29 ETS 6.97 ZAE 130.92 ETE 177.40 ZAC 103.56 ETC 15.81 CLP-154.47

PLANETOCENTRIC CONIC

C3 11.429 VHL 3.381 DLA -28.88 RAL 170.94 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 5.147 DPA 13.68 RAP 164.57 ECC 1.1881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.07 10 28 20 926.80 22.88 328.03 31.02 108.12 10 43 47 326.8 25.14 320.04
 95.93 12 7 0 607.56 22.89 304.63 31.02 108.11 12 17 7 7.6 25.15 296.65
 100.00 11 33 45 714.50 18.42 310.68 29.19 113.97 11 45 40 114.5 21.50 303.24
 100.00 13 44 15 5583.13 27.50 260.84 32.40 102.21 15 17 19 4983.1 28.90 252.32
 110.00 11 24 52 742.47 12.63 309.60 25.99 122.03 11 37 14 142.5 16.77 302.94
 110.00 16 9 38 5127.92 33.99 227.36 33.47 93.83 17 35 6 4527.9 34.15 218.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0325 TRA .4966 TC3-5.8382 BAU .8927
 RDE .1637 RRA .0465 RC3 -.2210 FAU .06386
 FDE-2.1009 FRA 1.0927 FC3-4.8373 BSP 16724
 BDE 2.0391 BRA .4988 BC3 5.8424 FSP -1478

SGT 5326.5 SGR 327.8 SG3 455.9
 RRT -.1601 RRF -.1787 RTF .9680
 SGB 5336.6 R23 .0234 R13 -.9680
 SG1 5326.8 SG2 323.5 THA 179.43

ST 3458.8 SR 278.9 SS 1609.0
 CRT -.9825 CRS .9620 CST -.9957
 LSA 3822.1 MSA 145.9 SSA 16.3
 EL1 3469.6 EL2 51.8 ALF 175.47

LAUNCH DATE JUN 14 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 504.869

RL 151.94 LAL -.00 LOL 262.28 VL 26.486 GAL 2.01 AZL 93.61 HCA 236.00 SMA 126.95 ECC .19983 INC 3.6110 V1 29.322
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.738 GAP 7.45 AZP 87.98 TAL 171.90 TAP 47.89 RCA 101.58 APO 152.32 V2 35.257
 RC 135.709 GL -29.05 GP 2.94 ZAL 77.24 ZAP 155.87 ETS 6.84 ZAE 130.34 ETE 177.73 ZAC 102.00 ETC 15.47 CLP-156.04

PLANETOCENTRIC CONIC

C3 11.788 VHL 3.433 DLA -29.17 RAL 173.64 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 5.328 DPA 12.82 RAP 166.07 ECC 1.1940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.70 10 28 6 968.73 22.96 331.14 34.25 108.50 10 44 14 368.7 25.27 323.17
 97.30 12 28 47 5866.59 22.97 280.43 34.26 108.49 14 6 33 5266.6 25.28 272.45
 100.00 11 54 29 688.60 19.13 309.08 32.68 113.42 12 5 58 88.6 22.13 301.58
 100.00 13 45 4 5621.95 26.91 263.58 35.50 103.53 15 18 46 5021.9 28.50 255.14
 110.00 11 39 27 735.96 12.86 309.24 29.26 121.95 11 51 43 136.0 16.99 302.56
 110.00 16 16 36 5147.36 33.90 228.87 36.80 94.72 17 42 23 4547.4 34.18 219.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0969 TRA .6352 TC3-5.7747 BAU .9108
 RDE .1723 RRA .0516 RC3 -.2257 FAU .05920
 FDE-1.9942 FRA 1.1445 FC3-4.3474 BSP 17071
 BDE 2.1040 BRA .6373 BC3 5.7792 FSP -1399

SGT 5426.1 SGR 341.2 SG3 430.0
 RRT -.1469 RRF -.1641 RTF .9679
 SGB 5436.9 R23 .0216 R13 -.9679
 SG1 5426.4 SG2 337.5 THA 179.47

ST 3520.2 SR 289.1 SS 1562.1
 CRT -.9776 CRS .9553 CST -.9958
 LSA 3859.3 MSA 144.4 SSA 17.0
 EL1 3531.5 EL2 60.7 ALF 175.41

LAUNCH DATE JUN 14 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 510.802

RL 151.94 LAL -.00 LOL 262.28 VL 26.452 GAL 2.34 AZL 93.58 HCA 239.25 SMA 126.74 ECC .20289 INC 3.5833 V1 29.322
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.712 GAP 7.82 AZP 88.17 TAL 170.71 TAP 49.96 RCA 101.02 APO 152.45 V2 35.255
 RC 137.871 GL -28.20 GP 2.74 ZAL 74.89 ZAP 157.38 ETS 6.73 ZAE 129.82 ETE 178.01 ZAC 100.37 ETC 15.15 CLP-157.53

PLANETOCENTRIC CONIC

C3 12.219 VHL 3.496 DLA -29.43 RAL 176.39 RAD 6567.5 VEL 11.559 PTH 2.02 VHP 5.515 DPA 11.96 RAP 167.64 ECC 1.2011
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.64 10 30 38 1003.24 22.99 333.70 37.60 108.89 10 47 22 403.2 25.35 325.74
 98.36 12 48 7 5847.20 23.00 279.01 37.60 108.88 14 25 34 5247.2 25.37 271.05
 100.00 12 16 24 660.74 19.87 307.35 36.32 112.80 12 27 25 60.7 22.79 299.77
 100.00 13 45 2 5664.93 26.19 266.57 38.67 104.95 15 19 27 5064.9 27.99 258.23
 110.00 11 53 57 731.46 13.02 308.99 32.63 121.89 12 6 8 131.5 17.14 302.31
 110.00 16 23 59 5166.97 33.77 230.39 40.25 95.61 17 50 5 4567.0 34.18 221.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1577 TRA .7867 TC3-5.6656 BAU .9262
 RDE .1823 RRA .0562 RC3 -.2259 FAU .05465
 FDE-1.8909 FRA 1.1958 FC3-3.8723 BSP 17328
 BDE 2.1653 BRA .7887 BC3 5.6701 FSP -1318

SGT 5512.5 SGR 354.1 SG3 405.2
 RRT -.1407 RRF -.1569 RTF .9675
 SGB 5523.9 R23 .0204 R13 -.9675
 SG1 5512.8 SG2 350.5 THA 179.48

ST 3566.4 SR 300.5 SS 1511.9
 CRT -.9723 CRS .9483 CST -.9960
 LSA 3882.6 MSA 144.0 SSA 17.5
 EL1 3578.3 EL2 70.0 ALF 175.32

LAUNCH DATE JUN 14 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 516.707

RL 151.94 LAL -.00 LOL 262.28 VL 26.418 GAL 2.70 AZL 93.56 HCA 242.49 SMA 126.52 ECC .20617 INC 3.5575 V1 29.322
 RP 107.50 LAP 3.16 LOP 144.72 VP 37.686 GAP 8.20 AZP 88.36 TAL 169.51 TAP 52.00 RCA 100.43 APO 152.60 V2 35.253
 RC 140.023 GL -27.32 GP 2.56 ZAL 72.53 ZAP 158.82 ETS 6.66 ZAE 129.34 ETE 178.25 ZAC 98.66 ETC 14.85 CLP-158.96

PLANETOCENTRIC CONIC

C3 12.728 VHL 3.568 DLA -29.65 RAL 179.16 RAD 6567.5 VEL 11.581 PTH 2.03 VHP 5.707 DPA 11.09 RAP 169.27 ECC 1.27095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.81 10 35 14 1032.64 22.96 335.87 41.04 109.29 10 52 27 432.6 25.38 327.93
 99.19 13 5 38 5835.19 22.98 278.11 41.04 109.28 14 42 53 5235.2 25.39 270.17
 100.00 12 39 59 629.16 20.69 305.36 40.11 112.07 12 50 28 29.2 23.50 297.69
 100.00 13 43 34 5713.90 25.29 269.92 41.86 106.50 15 18 48 5113.9 27.31 261.71
 110.00 12 8 11 729.42 13.10 308.88 36.08 121.86 12 20 21 129.4 17.21 302.19
 110.00 16 31 51 5186.41 33.64 231.89 43.81 96.49 17 58 17 4586.4 34.17 222.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2200 TRA .9460 TC3-5.5324 BAU .9422
 RDE .1936 RRA .0602 RC3 -.2217 FAU .05058
 FDE-1.7976 FRA 1.2406 FC3-3.4403 BSP 17632
 BDE 2.2284 BRA .9479 BC3 5.5368 FSP -1249

SGT 5599.1 SGR 366.2 SG3 382.7
 RRT -.1412 RRF -.1567 RTF .9674
 SGB 5611.1 R23 .0197 R13 -.9674
 SG1 5599.4 SG2 362.5 THA 179.47

ST 3605.6 SR 312.7 SS 1463.9
 CRT -.9670 CRS .9417 CST -.9961
 LSA 3901.3 MSA 144.4 SSA 17.9
 EL1 3618.3 EL2 79.4 ALF 175.20

LAUNCH DATE JUN 14 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 522.585

RL 151.94 LAL -.00 LOL 262.28 VL 26.384 GAL 3.06 AZL 93.53 HCA 245.74 SMA 126.30 ECC .20968 INC 3.5331 V1 29.322
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.658 GAP 8.59 AZP 88.55 TAL 168.30 TAP 54.03 RCA 99.82 APO 152.78 V2 35.249
 RC 142.165 GL -26.41 GP 2.40 ZAL 70.16 ZAP 160.20 ETS 6.61 ZAE 128.91 ETE 178.45 ZAC 96.89 ETC 14.57 CLP-160.34

PLANETOCENTRIC CONIC

C3 13.324 VHL 3.650 DLA -29.84 RAL 181.95 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 5.907 DPA 10.20 RAP 170.96 ECC 1.2193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.17 10 41 25 1058.26 22.88 337.74 44.57 109.70 10 59 4 458.3 25.35 329.82
 99.83 13 21 40 5829.31 22.89 277.64 44.57 109.68 14 58 50 5229.3 25.36 269.72
 100.00 13 8 7 5872.60 21.81 280.42 44.14 110.97 14 46 0 5272.6 24.46 272.63
 100.00 13 37 40 5778.24 23.97 274.25 44.98 108.41 15 13 58 5178.2 26.26 266.20
 110.00 12 22 1 730.19 13.07 308.92 39.59 121.87 12 34 11 130.2 17.19 302.23
 110.00 16 40 15 5205.37 33.48 233.35 47.45 97.34 18 7 0 4605.4 34.13 224.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2814 TRA 1.1158 TC3-5.3695 BAU .9572
 RDE .2062 RRA .0636 RC3 -.2140 FAU .04680
 FDE-1.7107 FRA 1.2825 FC3-3.0406 BSP 17945
 BDE 2.2907 BRA 1.1176 BC3 5.3737 FSP -1188

SGT 5680.4 SGR 377.4 SG3 361.7
 RRT -.1466 RRF -.1615 RTF .9674
 SGB 5692.9 R23 .0193 R13 -.9674
 SG1 5680.7 SG2 373.3 THA 179.44

ST 3633.8 SR 325.6 SS 1416.1
 CRT -.9617 CRS .9352 CST -.9963
 LSA 3910.8 MSA 145.7 SSA 18.1
 EL1 3647.3 EL2 89.0 ALF 175.07

LAUNCH DATE JUN 14 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 528.432

RL 151.94 LAL -.00 LOL 262.28 VL 26.349 GAL 3.45 AZL 93.51 HCA 248.99 SMA 126.08 ECC .21343 INC 3.5100 V1 29.322
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.630 GAP 8.99 AZP 88.74 TAL 167.07 TAP 56.05 RCA 99.17 APO 152.99 V2 35.245
 RC 144.295 GL -25.47 GP 2.26 ZAL 67.79 ZAP 161.52 ETS 6.60 ZAE 128.52 ETE 178.62 ZAC 95.06 ETC 14.31 CLP-161.66

PLANETOCENTRIC CONIC

C3 14.017 VHL 3.744 DLA -29.99 RAL 184.74 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 6.113 DPA 9.31 RAP 172.69 ECC 1.2307
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.70 10 48 57 1080.83 22.73 339.36 48.17 110.11 11 6 58 480.8 25.26 331.47
 100.30 13 36 24 5828.90 22.74 277.55 48.17 110.09 15 13 33 5228.9 25.27 269.66
 79.70 10 48 57 1080.83 22.73 339.36 48.17 110.11 11 6 58 480.8 25.26 331.47
 100.30 13 36 24 5828.90 22.74 277.55 48.17 110.09 15 13 33 5228.9 25.27 269.66
 110.00 12 35 17 734.12 12.93 309.14 43.15 121.92 12 47 31 134.1 17.05 302.46
 110.00 16 49 14 5223.61 33.31 234.75 51.18 98.15 18 16 18 4623.6 34.08 225.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3403 TRA 1.2975 TC3-5.1755 BAU .9706
 RDE .2201 RRA .0663 RC3 -.2035 FAU .04320
 FDE-1.6276 FRA 1.3229 FC3-2.6680 BSP 18204
 BDE 2.3506 BRA 1.2992 BC3 5.1795 FSP -1127

SGT 5753.3 SGR 387.8 SG3 341.9
 RRT -.1557 RRF -.1700 RTF .9673
 SGB 5766.4 R23 .0190 R13 -.9673
 SG1 5753.7 SG2 383.0 THA 179.40

ST 3648.7 SR 338.7 SS 1367.1
 CRT -.9562 CRS .9286 CST -.9964
 LSA 3908.2 MSA 148.1 SSA 18.1
 EL1 3663.0 EL2 98.8 ALF 174.92

LAUNCH DATE JUN 14 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 534.248

RL 151.94 LAL -.00 LOL 262.28 VL 26.314 GAL 3.86 AZL 93.49 HCA 252.23 SMA 125.86 ECC .21746 INC 3.4878 V1 29.322
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.601 GAP 9.40 AZP 88.93 TAL 165.82 TAP 58.05 RCA 98.49 APO 153.23 V2 35.240
 RC 146.414 GL -24.51 GP 2.14 ZAL 65.43 ZAP 162.80 ETS 6.62 ZAE 128.17 ETE 178.76 ZAC 93.18 ETC 14.07 CLP-162.93

PLANETOCENTRIC CONIC

C3 14.819 VHL 3.850 DLA -30.09 RAL 187.51 RAD 6567.6 VEL 11.671 PTH 2.05 VHP 6.327 DPA 8.40 RAP 174.47 ECC 1.2439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.38 10 57 39 1100.72 22.51 340.75 51.83 110.51 11 16 0 500.7 25.10 332.90
 100.62 13 49 51 5833.65 22.52 277.82 51.83 110.49 15 27 5 5233.7 25.11 269.96
 79.38 10 57 39 1100.72 22.51 340.75 51.83 110.51 11 16 0 500.7 25.10 332.90
 100.62 13 49 51 5833.65 22.52 277.82 51.83 110.49 15 27 5 5233.7 25.11 269.96
 110.00 12 47 52 741.43 12.66 309.54 46.74 122.02 13 0 13 141.4 16.80 302.88
 110.00 16 58 49 5240.93 33.14 236.07 54.98 98.91 18 26 10 4640.9 34.01 226.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3944 TRA 1.4939 TC3-4.9500 BAU .9814
 RDE .2351 RRA .0680 RC3 -.1910 FAU .03970
 FDE-1.5469 FRA 1.3638 FC3-2.3195 BSP 18379
 BDE 2.4059 BRA 1.4955 BC3 4.9537 FSP -1065

SGT 5816.2 SGR 397.2 SG3 323.2
 RRT -.1672 RRF -.1809 RTF .9670
 SGB 5829.8 R23 .0187 R13 -.9670
 SG1 5816.6 SG2 391.5 THA 179.34

ST 3648.0 SR 351.7 SS 1316.5
 CRT -.9505 CRS .9218 CST -.9965
 LSA 3891.2 MSA 151.8 SSA 18.0
 EL1 3663.3 EL2 108.8 ALF 174.76

LAUNCH DATE JUN 14 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 540.028

RL 151.94 LAL -.00 LOL 262.28 VL 26.279 GAL 4.29 AZL 93.47 HCA 255.47 SMA 125.64 ECC .22177 INC 3.4664 V1 29.322
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.571 GAP 9.81 AZP 89.13 TAL 164.57 TAP 60.05 RCA 97.78 APO 153.50 V2 35.234
 RC 148.521 GL -23.54 GP 2.03 ZAL 63.10 ZAP 164.04 ETS 6.68 ZAE 127.84 ETE 178.89 ZAC 91.26 ETC 13.86 CLP-164.16

PLANETOCENTRIC CONIC

C3 15.742 VHL 3.968 DLA -30.14 RAL 190.26 RAD 6567.6 VEL 11.710 PTH 2.06 VHP 6.551 DPA 7.49 RAP 176.28 ECC 1.2591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.22 11 7 24 1118.23 22.22 341.94 55.53 110.91 11 26 2 518.2 24.86 334.12
 100.78 14 2 4 5843.30 22.23 278.42 55.53 110.89 15 39 27 5243.3 24.88 270.60
 79.22 11 7 24 1118.23 22.22 341.94 55.53 110.91 11 26 2 518.2 24.86 334.12
 100.78 14 2 4 5843.30 22.23 278.42 55.53 110.89 15 39 27 5243.3 24.88 270.60
 110.00 12 59 39 752.33 12.27 310.14 50.34 122.16 13 12 11 152.3 16.43 303.50
 110.00 17 8 59 5257.20 32.96 237.31 58.83 99.62 18 36 37 4657.2 33.94 228.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4502 TRA 1.6990 TC3-4.7143 BAU .9929 SGT 5879.0 SGR 405.7 SG3 306.0 ST 3640.9 SR 364.6 SS 1268.9
 RDE .2513 RRA .0688 RC3 -.1766 FAU .03657 RRT -.1819 RRF -.1951 RTF .9670 CRT -.9449 CRS .9154 CST -.9966
 FDE-1.4743 FRA 1.4001 FC3-2.0113 BSP 18623 SGB 5893.0 R23 .0187 R13 -.9670 LSA 3869.7 MSA 156.0 SSA 17.8
 BDE 2.4631 BRA 1.7004 BC3 4.7176 FSP -1014 SG1 5879.4 SG2 398.9 THA 179.28 EL1 3657.2 EL2 118.8 ALF 174.59

LAUNCH DATE JUN 14 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 545.770

RL 151.94 LAL -.00 LOL 262.28 VL 26.244 GAL 4.74 AZL 93.45 HCA 258.72 SMA 125.42 ECC .22639 INC 3.4457 V1 29.322
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.541 GAP 10.25 AZP 89.33 TAL 163.32 TAP 62.03 RCA 97.03 APO 153.81 V2 35.228
 RC 150.615 GL -22.55 GP 1.93 ZAL 60.80 ZAP 165.23 ETS 6.79 ZAE 127.54 ETE 178.99 ZAC 89.31 ETC 13.66 CLP-165.36

PLANETOCENTRIC CONIC

C3 16.802 VHL 4.099 DLA -30.15 RAL 192.98 RAD 6567.7 VEL 11.755 PTH 2.07 VHP 6.783 DPA 6.57 RAP 178.12 ECC 1.2765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.20 11 18 6 1133.48 21.86 342.93 59.26 111.29 11 37 0 533.5 24.56 335.15
 100.80 14 13 1 5857.78 21.87 279.35 59.27 111.28 15 50 39 5257.8 24.57 271.57
 79.20 11 18 6 1133.48 21.86 342.93 59.26 111.29 11 37 0 533.5 24.56 335.15
 100.80 14 13 1 5857.78 21.87 279.35 59.27 111.28 15 50 39 5257.8 24.57 271.57
 110.00 13 10 35 766.87 11.74 310.93 53.93 122.34 13 23 21 166.9 15.93 304.33
 110.00 17 19 43 5272.39 32.78 238.45 62.73 100.28 18 47 35 4672.4 33.85 229.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5040 TRA 1.9165 TC3-4.4614 BAU 1.0028 SGT 5935.0 SGR 413.2 SG3 289.9 ST 3622.9 SR 377.0 SS 1221.9
 RDE .2686 RRA .0686 RC3 -.1613 FAU .03361 RRT -.1987 RRF -.2113 RTF .9670 CRT -.9393 CRS .9090 CST -.9967
 FDE-1.4056 FRA 1.4352 FC3-1.7316 BSP 18854 SGB 5949.4 R23 .0186 R13 -.9670 LSA 3838.6 MSA 160.9 SSA 17.5
 BDE 2.5183 BRA 1.9178 BC3 4.4644 FSP -966 SG1 5935.6 SG2 405.0 THA 179.20 EL1 3640.2 EL2 128.7 ALF 174.41

LAUNCH DATE JUN 14 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 551.470

RL 151.94 LAL -.00 LOL 262.28 VL 26.209 GAL 5.22 AZL 93.43 HCA 261.96 SMA 125.20 ECC .23135 INC 3.4254 V1 29.322
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.510 GAP 10.69 AZP 89.52 TAL 162.05 TAP 64.01 RCA 96.24 APO 154.17 V2 35.221
 RC 152.696 GL -21.56 GP 1.84 ZAL 58.55 ZAP 166.40 ETS 6.96 ZAE 127.26 ETE 179.07 ZAC 87.31 ETC 13.49 CLP-166.52

PLANETOCENTRIC CONIC

C3 18.017 VHL 4.245 DLA -30.11 RAL 195.64 RAD 6567.7 VEL 11.807 PTH 2.09 VHP 7.027 DPA 5.64 RAP 179.99 ECC 1.2965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.32 11 29 39 1146.72 21.43 343.73 63.02 111.67 11 48 45 546.7 24.18 336.00
 100.68 14 22 43 5876.85 21.44 280.59 63.02 111.65 16 0 40 5276.9 24.19 272.85
 79.32 11 29 39 1146.72 21.43 343.73 63.02 111.67 11 48 45 546.7 24.18 336.00
 100.68 14 22 43 5876.85 21.44 280.59 63.02 111.65 16 0 40 5276.9 24.19 272.85
 110.00 13 20 36 785.03 11.08 311.92 57.51 122.55 13 33 41 185.0 15.29 305.35
 110.00 17 30 57 5286.54 32.60 239.52 66.67 100.89 18 59 3 4686.5 33.76 230.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5552 TRA 2.1479 TC3-4.1956 BAU 1.0112 SGT 5984.6 SGR 419.9 SG3 274.8 ST 3594.3 SR 388.7 SS 1175.8
 RDE .2870 RRA .0671 RC3 -.1454 FAU .03080 RRT -.2170 RRF -.2289 RTF .9670 CRT -.9335 CRS .9025 CST -.9968
 FDE-1.3408 FRA 1.4698 FC3-1.4802 BSP 19055 SGB 5999.3 R23 .0186 R13 -.9670 LSA 3798.0 MSA 166.5 SSA 17.1
 BDE 2.5713 BRA 2.1490 BC3 4.1981 FSP -920 SG1 5985.3 SG2 409.8 THA 179.12 EL1 3612.6 EL2 138.6 ALF 174.23

LAUNCH DATE JUN 14 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 557.125

RL 151.94 LAL -.00 LOL 262.28 VL 26.174 GAL 5.73 AZL 93.41 HCA 265.20 SMA 124.98 ECC .23669 INC 3.4055 V1 29.322
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.478 GAP 11.16 AZP 89.71 TAL 160.79 TAP 65.98 RCA 95.40 APO 154.57 V2 35.214
 RC 154.762 GL -20.56 GP 1.76 ZAL 56.34 ZAP 167.53 ETS 7.20 ZAE 127.00 ETE 179.14 ZAC 85.29 ETC 13.34 CLP-167.66

PLANETOCENTRIC CONIC

C3 19.406 VHL 4.405 DLA -30.02 RAL 198.25 RAD 6567.8 VEL 11.865 PTH 2.10 VHP 7.282 DPA 4.70 RAP 181.89 ECC 1.3194
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.59 11 42 1 1157.85 20.93 344.35 66.78 112.03 12 1 19 557.8 23.74 336.66
 100.41 14 31 7 612.59 20.94 304.24 66.78 112.02 14 41 20 12.6 23.75 296.55
 79.59 11 42 1 1157.85 20.93 344.35 66.78 112.03 12 1 19 557.8 23.74 336.66
 100.41 14 31 7 612.59 20.94 304.24 66.78 112.02 14 41 20 12.6 23.75 296.55
 110.00 13 29 43 806.71 10.28 313.10 61.06 122.78 13 43 9 206.7 14.53 306.57
 110.00 17 42 36 5299.76 32.43 240.51 70.64 101.45 19 10 56 4699.8 33.67 231.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6013 TRA 2.3972 TC3-3.9134 BAU 1.0158 SGT 6025.1 SGR 425.4 SG3 260.6 ST 3553.1 SR 399.3 SS 1129.2
 RDE .3062 RRA .0644 RC3 -.1297 FAU .02802 RRT -.2361 RRF -.2469 RTF .9668 CRT -.9273 CRS .8954 CST -.9968
 FDE-1.2771 FRA 1.5066 FC3-1.2502 BSP 19151 SGB 6040.1 R23 .0181 R13 -.9669 LSA 3745.6 MSA 173.1 SSA 16.7
 BDE 2.6192 BRA 2.3980 BC3 3.9156 FSP -871 SG1 6026.0 SG2 413.4 THA 179.04 EL1 3572.4 EL2 148.6 ALF 174.04

LAUNCH DATE JUN 14 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 562.728

RL 151.94 LAL -.00 LOL 262.28 VL 26.138 GAL 6.26 AZL 93.39 HCA 268.44 SMA 124.77 ECC .24243 INC 3.3857 V1 29.322
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.446 GAP 11.64 AZP 89.91 TAL 159.52 TAP 67.96 RCA 94.52 APO 155.02 V2 35.205
 RC 156.813 GL -19.57 GP 1.69 ZAL 54.20 ZAP 168.64 ETS 7.52 ZAE 126.75 ETE 179.20 ZAC 83.25 ETC 13.21 CLP-168.77

PLANETOCENTRIC CONIC

C3 20.993 VHL 4.582 OLA -29.89 RAL 200.78 RAD 6567.9 VEL 11.932 PTH 2.12 VHP 7.551 DPA 3.76 RAP 183.80 ECC 1.3455
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.99 11 55 11 1166.81 20.37 344.77 70.54 112.37 12 14 38 566.8 23.22 337.14
 100.01 14 38 9 641.12 20.38 306.12 70.54 112.36 14 48 50 41.1 23.23 298.48
 79.99 11 55 11 1166.81 20.37 344.77 70.54 112.37 12 14 38 566.8 23.22 337.14
 100.01 14 38 9 641.12 20.38 306.12 70.54 112.36 14 48 50 41.1 23.23 298.48
 110.00 13 37 56 831.76 9.35 314.44 64.57 123.03 13 51 47 231.8 13.64 307.97
 110.00 17 54 35 5312.21 32.26 241.44 74.63 101.98 19 23 7 4712.2 33.57 232.46

DIFFERENTIAL CORRECTIONS

TDE-2.6501 TRA 2.6567 TC3-3.6367 BAU 1.0212
 RDE .3264 RRA .0604 RC3 -.1141 FAU .02554
 FDE-1.2208 FRA 1.5400 FC3-1.0532 BSP 19336
 BDE 2.6701 BRA 2.6574 BC3 3.6384 FSP -831

MID-COURSE EXECUTION ACCURACY

SGT 6064.0 SGR 430.2 SG3 247.4
 RRT -.2571 RRF -.2669 RTF .9670
 SGB 6079.3 R23 .0178 R13 -.9670
 SG1 6065.1 SG2 415.7 THA 178.95

ORBIT DETERMINATION ACCURACY

ST 3509.1 SR 409.0 SS 1086.8
 CRT -.9213 CRS .8888 CST -.9969
 LSA 3691.9 MSA 179.4 SSA 16.3
 EL1 3529.3 EL2 158.1 ALF 173.86

LAUNCH DATE JUN 14 1967

FLIGHT TIME 200.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 568.273

RL 151.94 LAL -.00 LOL 262.28 VL 26.103 GAL 6.83 AZL 93.37 HCA 271.68 SMA 124.55 ECC .24862 INC 3.3661 V1 29.322
 RP 107.67 LAP 3.36 LOP 173.96 VP 37.413 GAP 12.14 AZP 90.10 TAL 158.26 TAP 69.93 RCA 93.59 APO 155.52 V2 35.197
 RC 158.850 GL -18.58 GP 1.62 ZAL 52.11 ZAP 169.73 ETS 7.96 ZAE 126.52 ETE 179.24 ZAC 81.18 ETC 13.11 CLP-169.86

PLANETOCENTRIC CONIC

C3 22.807 VHL 4.776 OLA -29.73 RAL 203.23 RAD 6567.9 VEL 12.008 PTH 2.14 VHP 7.834 DPA 2.81 RAP 185.73 ECC 1.3753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.55 12 9 17 1173.06 19.74 344.96 74.28 112.69 12 28 50 573.1 22.64 337.38
 99.45 14 43 38 674.93 19.75 308.35 74.29 112.68 14 54 53 74.9 22.65 300.77
 100.00 14 21 23 746.01 17.54 312.60 73.27 114.60 14 33 49 146.0 20.71 305.25
 100.00 15 14 12 5865.25 21.98 279.95 75.24 110.78 16 51 58 5265.3 24.61 272.14
 110.00 13 45 17 899.94 8.31 315.95 68.04 123.28 13 59 37 259.9 12.63 309.52
 110.00 18 6 48 5324.09 32.09 242.33 78.62 102.48 19 35 32 4724.1 33.47 233.37

DIFFERENTIAL CORRECTIONS

TDE-2.6977 TRA 2.9319 TC3-3.3579 BAU 1.0243
 RDE .3474 RRA .0549 RC3 -.0991 FAU .02317
 FDE-1.1679 FRA 1.5736 FC3 -.8797 BSP 19502
 BDE 2.7199 BRA 2.9324 BC3 3.3594 FSP -793

MID-COURSE EXECUTION ACCURACY

SGT 6096.6 SGR 434.0 SG3 235.0
 RRT -.2790 RRF -.2877 RTF .9672
 SGB 6112.1 R23 .0173 R13 -.9672
 SG1 6097.9 SG2 416.7 THA 178.86

ORBIT DETERMINATION ACCURACY

ST 3458.5 SR 417.4 SS 1046.3
 CRT -.9151 CRS .8820 CST -.9970
 LSA 3632.5 MSA 185.9 SSA 15.8
 EL1 3479.5 EL2 167.3 ALF 173.68

LAUNCH DATE JUN 14 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 573.755

RL 151.94 LAL -.00 LOL 262.28 VL 26.068 GAL 7.43 AZL 93.35 HCA 274.91 SMA 124.34 ECC .25530 INC 3.3464 V1 29.322
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.380 GAP 12.67 AZP 90.29 TAL 157.00 TAP 71.91 RCA 92.60 APO 156.08 V2 35.187
 RC 160.871 GL -17.61 GP 1.56 ZAL 50.09 ZAP 170.80 ETS 8.54 ZAE 126.29 ETE 179.28 ZAC 79.10 ETC 13.03 CLP-170.93

PLANETOCENTRIC CONIC

C3 24.880 VHL 4.988 OLA -29.52 RAL 205.60 RAD 6568.0 VEL 12.094 PTH 2.16 VHP 8.134 DPA 1.86 RAP 187.67 ECC 1.4095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.28 12 24 20 1176.41 19.05 344.89 78.01 112.99 12 43 56 576.4 22.00 337.37
 98.72 14 47 28 714.16 19.06 310.95 78.02 112.98 14 59 23 114.2 22.01 303.42
 100.00 14 17 46 809.26 15.70 316.41 76.42 115.77 14 31 15 209.3 19.04 309.20
 100.00 15 36 44 5844.58 22.48 278.61 79.46 110.24 17 14 8 5244.6 25.03 270.75
 110.00 13 51 49 891.01 7.14 317.60 71.46 123.52 14 6 40 291.0 11.50 311.22
 110.00 18 19 10 5335.60 31.91 243.18 82.62 102.95 19 48 5 4735.6 33.37 234.25

DIFFERENTIAL CORRECTIONS

TDE-2.7443 TRA 3.2241 TC3-3.0807 BAU 1.0251
 RDE .3691 RRA .0478 RC3 -.0850 FAU .02091
 FDE-1.1187 FRA 1.6079 FC3 -.7276 BSP 19646
 BDE 2.7690 BRA 3.2245 BC3 3.0819 FSP -757

MID-COURSE EXECUTION ACCURACY

SGT 6123.5 SGR 436.9 SG3 223.4
 RRT -.3017 RRF -.3091 RTF .9675
 SGB 6139.0 R23 .0167 R13 -.9675
 SG1 6124.9 SG2 416.5 THA 178.76

ORBIT DETERMINATION ACCURACY

ST 3402.4 SR 424.4 SS 1008.0
 CRT -.9087 CRS .8751 CST -.9971
 LSA 3568.6 MSA 192.4 SSA 15.3
 EL1 3424.2 EL2 176.1 ALF 173.52

LAUNCH DATE JUN 14 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 579.164

RL 151.94 LAL -.00 LOL 262.28 VL 26.033 GAL 8.07 AZL 93.33 HCA 278.14 SMA 124.13 ECC .26253 INC 3.3264 V1 29.322
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.346 GAP 13.23 AZP 90.47 TAL 155.75 TAP 73.89 RCA 91.54 APO 156.72 V2 35.178
 RC 162.878 GL -16.65 GP 1.51 ZAL 48.15 ZAP 171.85 ETS 9.32 ZAE 126.07 ETE 179.30 ZAC 77.01 ETC 12.98 CLP-171.99

PLANETOCENTRIC CONIC

C3 27.250 VHL 5.220 OLA -29.28 RAL 207.88 RAD 6568.1 VEL 12.191 PTH 2.19 VHP 8.452 DPA .91 RAP 189.63 ECC 1.4485
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.21 12 40 41 1175.62 18.30 344.50 81.71 113.27 13 0 17 575.6 21.29 337.03
 97.79 14 49 17 760.00 18.32 314.01 81.72 113.25 15 1 57 160.0 21.31 306.53
 100.00 14 15 43 867.66 13.94 319.85 79.60 116.71 14 30 11 267.7 17.42 312.78
 100.00 15 56 57 5831.23 22.79 277.74 83.61 109.89 17 34 8 5231.2 25.29 269.84
 110.00 13 57 36 924.70 5.87 319.39 74.83 123.74 14 13 1 324.7 10.26 313.05
 110.00 18 31 33 5346.95 31.74 244.02 86.61 103.42 20 0 40 4747.0 33.26 235.12

DIFFERENTIAL CORRECTIONS

TDE-2.7904 TRA 3.5347 TC3-2.8074 BAU 1.0231
 RDE .3914 RRA .0392 RC3 -.0720 FAU .01875
 FDE-1.0732 FRA 1.6431 FC3 -.5958 BSP 19762
 BDE 2.8177 BRA 3.5349 BC3 2.8083 FSP -722

MID-COURSE EXECUTION ACCURACY

SGT 6144.6 SGR 438.9 SG3 212.5
 RRT -.3249 RRF -.3311 RTF .9679
 SGB 6160.2 R23 .0160 R13 -.9679
 SG1 6146.2 SG2 415.0 THA 178.66

ORBIT DETERMINATION ACCURACY

ST 3341.9 SR 429.9 SS 972.3
 CRT -.9020 CRS .8681 CST -.9972
 LSA 3501.3 MSA 198.7 SSA 14.9
 EL1 3364.4 EL2 184.3 ALF 173.36

LAUNCH DATE JUN 14 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 584.491

RL 151.94 LAL -.00 LOL 262.28 VL 25.999 GAL 8.75 AZL 93.31 HCA 281.38 SMA 123.92 ECC .27036 INC 3.3062 V1 29.322
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.312 GAP 13.82 AZP 90.65 TAL 154.51 TAP 75.89 RCA 90.42 APO 157.42 V2 35.167
 RC 164.869 GL -15.71 GP 1.46 ZAL 46.28 ZAP 172.89 ETS 10.39 ZAE 125.86 ETE 179.32 ZAC 74.90 ETC 12.95 CLP-173.04

PLANETOCENTRIC CONIC

C3 29.965 VHL 5.474 DLA -29.02 RAL 210.06 RAD 6568.2 VEL 12.302 PTH 2.22 VHP 8.792 DPA -.04 RAP 191.60 ECC 1.4931
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.39 12 58 53 1168.81 17.51 343.64 85.38 113.51 13 18 22 568.8 20.54 336.22
 96.61 14 48 30 814.23 17.52 317.64 85.39 113.50 15 2 5 214.2 20.55 310.23
 100.00 14 14 16 924.25 12.19 323.14 82.76 117.51 14 29 41 324.3 15.78 316.18
 100.00 16 15 48 5822.06 23.00 277.14 87.70 109.64 17 52 50 5222.1 25.47 269.21
 110.00 14 2 41 960.75 4.50 321.28 78.15 123.92 14 18 41 360.7 8.93 314.99
 110.00 18 43 53 5358.34 31.55 244.86 90.59 103.88 20 13 12 4758.3 33.14 235.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8342 TRA 3.8668 TC3-2.5377 BAU 1.0169 SGT 6159.5 SGR 439.9 SG3 202.4 ST 3276.5 SR 433.7 SS 938.4
 RDE .4143 RRA .0287 RC3 -.0603 FAU .01663 RRT -.3484 RRF -.3529 RTF .9683 CRT -.8950 CRS .8605 CST -.9973
 FDE-1.0297 FRA 1.6808 FC3 -.4804 BSP 19799 SGB 6175.2 R23 .0149 R13 -.9684 LSA 3429.5 MSA 204.9 SSA 14.4
 BDE 2.8644 BRA 3.8669 BC3 2.5384 FSP -686 SG1 6161.4 SG2 412.2 THA 178.57 EL1 3299.5 EL2 192.1 ALF 173.22

LAUNCH DATE JUN 14 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 589.723

RL 151.94 LAL -.00 LOL 262.28 VL 25.964 GAL 9.48 AZL 93.29 HCA 284.61 SMA 123.71 ECC .27885 INC 3.2856 V1 29.322
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.278 GAP 14.45 AZP 90.83 TAL 153.29 TAP 77.90 RCA 89.21 APO 158.21 V2 35.156
 RC 166.846 GL -14.79 GP 1.41 ZAL 44.49 ZAP 173.92 ETS 11.90 ZAE 125.64 ETE 179.33 ZAC 72.80 ETC 12.95 CLP-174.08

PLANETOCENTRIC CONIC

C3 33.079 VHL 5.751 DLA -28.72 RAL 212.14 RAD 6568.3 VEL 12.428 PTH 2.25 VHP 9.154 DPA -.98 RAP 193.57 ECC 1.5444
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.01 13 20 17 1151.47 16.66 341.97 89.01 113.73 13 39 28 551.5 19.73 334.61
 94.99 14 43 44 881.29 16.68 322.19 89.02 113.72 14 58 25 281.3 19.74 314.83
 100.00 14 13 5 980.06 10.41 326.33 85.88 118.18 14 29 25 380.1 14.10 319.48
 100.00 16 33 37 5815.97 23.14 276.75 91.74 109.47 18 10 33 5216.0 25.58 268.80
 110.00 14 7 6 998.89 3.05 323.28 81.42 124.06 14 23 45 398.9 7.50 317.02
 110.00 18 56 6 5369.90 31.36 245.70 94.55 104.35 20 25 35 4769.9 33.01 236.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8826 TRA 4.2163 TC3-2.2816 BAU 1.0092 SGT 6170.3 SGR 440.1 SG3 192.8 ST 3212.0 SR 436.0 SS 908.5
 RDE .4377 RRA .0164 RC3 -.0498 FAU .01467 RRT -.3728 RRF -.3757 RTF .9690 CRT -.8881 CRS .8536 CST -.9974
 FDE -.9918 FRA 1.7182 FC3 -.3840 BSP 19907 SGB 6186.0 R23 .0139 R13 -.9691 LSA 3359.8 MSA 210.3 SSA 14.0
 BDE 2.9156 BRA 4.2164 BC3 2.2821 FSP -656 SG1 6172.5 SG2 408.3 THA 178.47 EL1 3235.4 EL2 199.0 ALF 173.10

LAUNCH DATE JUN 14 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 594.846

RL 151.94 LAL -.00 LOL 262.28 VL 25.930 GAL 10.25 AZL 93.26 HCA 287.83 SMA 123.51 ECC .28810 INC 3.2643 V1 29.322
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.244 GAP 15.11 AZP 91.00 TAL 152.10 TAP 79.93 RCA 87.93 APO 159.09 V2 35.145
 RC 168.808 GL -13.89 GP 1.37 ZAL 42.78 ZAP 174.94 ETS 14.09 ZAE 125.41 ETE 179.34 ZAC 70.69 ETC 12.97 CLP-175.13

PLANETOCENTRIC CONIC

C3 36.658 VHL 6.055 DLA -28.40 RAL 214.12 RAD 6568.4 VEL 12.571 PTH 2.28 VHP 9.544 DPA -1.91 RAP 195.54 ECC 1.6033
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 87.78 13 51 14 1102.85 15.78 338.00 92.60 113.92 14 9 37 502.9 18.88 330.69
 92.22 14 28 35 981.79 15.79 329.15 92.60 113.91 14 44 57 381.8 18.89 321.84
 100.00 14 11 59 1035.52 8.61 329.46 88.97 118.74 14 29 14 435.5 12.38 322.70
 100.00 16 50 32 5812.39 23.22 276.51 95.73 109.37 18 27 24 5212.4 25.65 268.55
 110.00 14 10 54 1038.90 1.53 325.37 84.63 124.15 14 28 13 438.9 6.00 319.14
 110.00 19 8 6 5381.77 31.16 246.57 98.47 104.83 20 37 47 4781.8 32.88 237.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9326 TRA 4.5886 TC3-2.0353 BAU .9977 SGT 6175.9 SGR 439.5 SG3 183.9 ST 3146.5 SR 436.7 SS 881.5
 RDE .4615 RRA .0023 RC3 -.0406 FAU .01279 RRT -.3975 RRF -.3989 RTF .9699 CRT -.8811 CRS .8466 CST -.9975
 FDE -.9575 FRA 1.7578 FC3 -.3019 BSP 19987 SGB 6191.5 R23 .0128 R13 -.9699 LSA 3289.6 MSA 215.0 SSA 13.5
 BDE 2.9687 BRA 4.5886 BC3 2.0357 FSP -627 SG1 6178.4 SG2 403.1 THA 178.37 EL1 3170.0 EL2 205.0 ALF 173.00

LAUNCH DATE JUN 14 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 599.842

RL 151.94 LAL -.00 LOL 262.28 VL 25.896 GAL 11.09 AZL 93.24 HCA 291.06 SMA 123.31 ECC .29818 INC 3.2423 V1 29.322
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.209 GAP 15.83 AZP 91.17 TAL 150.93 TAP 81.99 RCA 86.54 APO 160.08 V2 35.134
 RC 170.755 GL -13.01 GP 1.34 ZAL 41.15 ZAP 175.95 ETS 17.49 ZAE 125.18 ETE 179.34 ZAC 68.59 ETC 13.03 CLP-176.17

PLANETOCENTRIC CONIC

C3 40.784 VHL 6.386 DLA -28.05 RAL 216.00 RAD 6568.6 VEL 12.734 PTH 2.32 VHP 9.963 DPA -2.84 RAP 197.52 ECC 1.6712
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 43 24 1179.66 11.80 341.72 94.67 115.93 14 3 4 579.7 15.19 334.68
 90.00 14 51 24 958.87 17.97 328.44 97.52 112.26 15 7 23 358.9 20.83 320.94
 100.00 14 10 52 1090.84 6.79 332.56 92.02 119.18 14 29 3 490.8 10.63 325.87
 100.00 17 6 38 5810.96 23.25 276.42 99.66 109.33 18 43 28 5211.0 25.68 268.46
 110.00 14 14 9 1080.53 -.07 327.54 87.78 124.18 14 32 9 480.5 4.42 321.33
 110.00 19 19 50 5394.03 30.94 247.46 102.35 105.31 20 49 44 4794.0 32.73 238.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9855 TRA 4.9850 TC3-1.8006 BAU .9819 SGT 6176.3 SGR 437.9 SG3 175.5 ST 3080.7 SR 435.7 SS 857.6
 RDE .4856 RRA -.0139 RC3 -.0327 FAU .01097 RRT -.4224 RRF -.4223 RTF .9710 CRT -.8742 CRS .8398 CST -.9976
 FDE -.9267 FRA 1.7996 FC3 -.2328 BSP 20060 SGB 6191.8 R23 .0115 R13 -.9710 LSA 3219.9 MSA 219.0 SSA 13.1
 BDE 3.0248 BRA 4.9850 BC3 1.8009 FSP -599 SG1 6179.0 SG2 396.7 THA 178.28 EL1 3104.3 EL2 210.0 ALF 172.92

LAUNCH DATE JUN 14 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 604.690

RL 151.94 LAL -.00 LOL 262.28 VL 25.863 GAL 11.99 AZL 93.22 HCA 294.28 SMA 123.11 ECC .30920 INC 3.2192 V1 29.322
 RP 107.90 LAP 2.93 LOP 196.60 VP 37.175 GAP 16.60 AZP 91.33 TAL 149.80 TAP 84.08 RCA 85.04 APO 161.18 V2 35.122
 RC 172.686 GL -12.15 GP 1.30 ZAL 39.61 ZAP 176.93 ETS 23.29 ZAE 124.93 ETE 179.34 ZAC 66.50 ETC 13.11 CLP-177.22

PLANETOCENTRIC CONIC

C3 45.554 VHL 6.749 DLA -27.69 RAL 217.77 RAD 6568.7 VEL 12.920 PTH 2.35 VHP 10.417 DPA -3.76 RAP 199.49 ECC 1.7497
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 32 5 1267.59 9.13 346.80 97.28 116.92 13 53 13 667.6 12.67 339.91
 90.00 15 16 51 926.65 18.79 326.44 101.76 111.58 15 32 18 326.7 21.56 318.86
 100.00 14 9 40 1146.11 4.94 335.62 95.02 119.52 14 28 46 546.1 8.84 329.00
 100.00 17 21 57 5811.40 23.24 276.45 103.54 109.35 18 58 49 5211.4 25.67 268.49
 110.00 14 16 51 1123.58 -1.71 329.79 90.89 124.15 14 35 34 523.6 2.78 323.58
 110.00 19 31 16 5406.71 30.71 248.37 106.19 105.81 21 1 23 4806.7 32.57 239.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0378 TRA 5.4126 TC3-1.5741 BAU .9588 SGT 6171.7 SGR 435.4 SG3 167.7 ST 3012.9 SR 433.0 SS 836.0
 RDE .5099 RRA -.0323 RC3 -.0262 FAU .00912 RRT -.4472 RRF -.4454 RTF .9721 CRT -.8668 CRS .8325 CST -.9978
 FDE -.8977 FRA 1.8461 FC3 -.1734 BSP 20021 SGB 6187.1 R23 .0100 R13 -.9722 LSA 3148.7 MSA 222.3 SSA 12.6
 BDE 3.0803 BRA 5.4127 BC3 1.5743 FSP -.570 SG1 6174.8 SG2 389.2 THA 178.19 EL1 3036.3 EL2 214.3 ALF 172.86

LAUNCH DATE JUN 14 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 609.363

RL 151.94 LAL -.00 LOL 262.28 VL 25.830 GAL 12.96 AZL 93.20 HCA 297.51 SMA 122.92 ECC .32129 INC 3.1950 V1 29.322
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.141 GAP 17.43 AZP 91.48 TAL 148.70 TAP 86.21 RCA 83.43 APO 162.41 V2 35.110
 RC 174.603 GL -11.32 GP 1.27 ZAL 38.17 ZAP 177.87 ETS 34.65 ZAE 124.67 ETE 179.33 ZAC 64.43 ETC 13.22 CLP-178.29

PLANETOCENTRIC CONIC

C3 51.089 VHL 7.148 DLA -27.30 RAL 219.44 RAD 6568.9 VEL 13.132 PTH 2.40 VHP 10.910 DPA -4.66 RAP 201.46 ECC 1.8408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 24 42 1342.41 6.80 351.06 100.00 117.55 13 47 4 742.4 10.44 344.27
 90.00 15 37 30 909.18 19.22 325.34 105.76 111.20 15 52 40 309.2 21.93 317.71
 100.00 14 8 21 1201.39 3.08 338.67 97.96 119.75 14 28 22 601.4 7.02 332.09
 100.00 17 36 33 5813.47 23.20 276.58 107.34 109.40 19 13 26 5213.5 25.63 268.63
 110.00 14 19 2 1167.83 -3.40 332.10 93.93 124.03 14 38 30 567.8 1.09 325.89
 110.00 19 42 21 5419.80 30.46 249.31 109.96 106.31 21 12 41 4819.8 32.40 240.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0995 TRA 5.8654 TC3-1.3647 BAU .9322 SGT 6162.5 SGR 432.2 SG3 160.3 ST 2949.0 SR 428.7 SS 818.6
 RDE .5345 RRA -.0528 RC3 -.0208 FAU .00740 RRT -.4726 RRF -.4694 RTF .9736 CRT -.8600 CRS .8263 CST -.9979
 FDE -.8744 FRA 1.8943 FC3 -.1254 BSP 20073 SGB 6177.6 R23 .0085 R13 -.9736 LSA 3082.2 MSA 224.3 SSA 12.2
 BDE 3.1453 BRA 5.8656 BC3 1.3648 FSP -.546 SG1 6165.9 SG2 380.6 THA 178.09 EL1 2972.0 EL2 217.1 ALF 172.84

LAUNCH DATE JUN 14 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 18 1968

HELIOCENTRIC CONIC

DISTANCE 613.829

RL 151.94 LAL -.00 LOL 262.28 VL 25.798 GAL 14.01 AZL 93.17 HCA 300.72 SMA 122.73 ECC .33457 INC 3.1694 V1 29.322
 RP 107.97 LAP 2.72 LOP 203.04 VP 37.106 GAP 18.33 AZP 91.62 TAL 147.67 TAP 88.39 RCA 81.67 APO 163.79 V2 35.097
 RC 176.504 GL -10.51 GP 1.24 ZAL 36.81 ZAP 178.61 ETS 61.04 ZAE 124.38 ETE 179.32 ZAC 62.38 ETC 13.37 CLP-179.37

PLANETOCENTRIC CONIC

C3 57.539 VHL 7.585 DLA -26.90 RAL 220.99 RAD 6569.0 VEL 13.375 PTH 2.44 VHP 11.448 DPA -5.54 RAP 203.41 ECC 1.9469
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 18 54 1411.53 4.61 354.96 102.73 117.97 13 42 25 811.5 8.32 348.24
 90.00 15 55 42 898.79 19.48 324.68 109.62 110.97 16 10 41 298.8 22.16 317.03
 100.00 14 6 50 1256.67 1.21 341.71 100.85 119.87 14 27 47 656.7 5.18 335.16
 100.00 17 50 26 5816.93 23.12 276.81 111.06 109.50 19 27 23 5216.9 25.56 268.86
 110.00 14 20 43 1213.11 -5.12 334.47 96.92 123.84 14 40 56 613.1 -.64 328.25
 110.00 19 53 3 5433.25 30.20 250.27 113.66 106.83 21 23 37 4833.3 32.21 241.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1672 TRA 6.3513 TC3-1.1677 BAU .8983 SGT 6148.4 SGR 428.1 SG3 153.4 ST 2886.3 SR 422.9 SS 804.4
 RDE .5593 RRA -.0757 RC3 -.0166 FAU .00570 RRT -.4981 RRF -.4936 RTF .9751 CRT -.8534 CRS .8205 CST -.9981
 FDE -.8545 FRA 1.9468 FC3 -.0857 BSP 20109 SGB 6163.3 R23 .0070 R13 -.9752 LSA 3017.6 MSA 225.3 SSA 11.8
 BDE 3.2162 BRA 6.3518 BC3 1.1678 FSP -.522 SG1 6152.1 SG2 371.0 THA 178.01 EL1 2908.9 EL2 218.8 ALF 172.83

LAUNCH DATE JUN 14 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 20 1968

HELIOCENTRIC CONIC

DISTANCE 618.046

RL 151.94 LAL -.00 LOL 262.28 VL 25.766 GAL 15.15 AZL 93.14 HCA 303.94 SMA 122.54 ECC .34922 INC 3.1420 V1 29.322
 RP 108.01 LAP 2.61 LOP 206.26 VP 37.072 GAP 19.32 AZP 91.76 TAL 146.69 TAP 90.63 RCA 79.75 APO 165.34 V2 35.084
 RC 178.389 GL -9.73 GP 1.22 ZAL 35.55 ZAP 178.69 ETS 109.12 ZAE 124.06 ETE 179.31 ZAC 60.35 ETC 13.55 CLP 179.53

PLANETOCENTRIC CONIC

C3 65.091 VHL 8.068 DLA -26.49 RAL 222.43 RAD 6569.2 VEL 13.654 PTH 2.50 VHP 12.038 DPA -6.40 RAP 205.35 ECC 2.0712
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 13 52 1477.41 2.50 358.64 105.43 118.22 13 38 29 877.4 6.25 351.98
 90.00 16 12 12 892.75 19.62 324.30 113.35 110.83 16 27 5 292.8 22.28 316.64
 100.00 14 5 6 1311.92 -.66 344.74 103.68 119.89 14 26 58 711.9 3.32 338.21
 100.00 18 3 39 5821.52 23.01 277.11 114.69 109.62 19 40 41 5221.5 25.48 269.18
 110.00 14 21 54 1259.22 -6.87 336.91 99.84 123.57 14 42 53 659.2 -2.41 330.66
 110.00 20 3 21 5446.98 29.93 251.25 117.28 107.35 21 34 8 4847.0 32.01 242.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2414 TRA 6.8739 TC3 -.9835 BAU .8559 SGT 6129.1 SGR 423.1 SG3 146.9 ST 2824.6 SR 415.6 SS 793.6
 RDE .5842 RRA -.1010 RC3 -.0134 FAU .00398 RRT -.5235 RRF -.5178 RTF .9769 CRT -.8471 CRS .8152 CST -.9982
 FDE -.8384 FRA 2.0046 FC3 -.0529 BSP 20127 SGB 6143.7 R23 .0055 R13 -.9769 LSA 2954.7 MSA 225.1 SSA 11.3
 BDE 3.2936 BRA 6.8746 BC3 .9836 FSP -.500 SG1 6133.1 SG2 360.3 THA 177.92 EL1 2846.6 EL2 219.2 ALF 172.85

LAUNCH DATE JUN 15 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 24 1967

HELIOCENTRIC CONIC

DISTANCE 158.492

RL 151.96 LAL -.00 LOL 263.23 VL 22.322 GAL 1.29 AZL 93.57 HCA 63.32 SMA 106.30 ECC .42997 INC 3.5731 V1 29.319
 RP 108.92 LAP -3.19 LOP 326.50 VP 34.475 GAP -25.43 AZP 91.61 TAL 178.29 TAP 241.61 RCA 60.59 APO 152.01 V2 34.793
 RC 43.707 GL -11.15 GP -.93 ZAL 87.30 ZAP 13.97 ETS 176.63 ZAE 169.51 ETE 83.98 ZAC 104.69 ETC 14.82 CLP 13.94

PLANETOCENTRIC CONIC

C3 51.694 VHL 7.190 DLA -8.63 RAL 171.86 RAD 6568.9 VEL 13.155 PTH 2.40 VHP 15.189 DPA 9.91 RAP 162.92 ECC 1.8507
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 23 39 2179.70 -18.71 39.28 47.16 111.65 6 59 59 1579.7 -15.60 31.98
 90.00 16 11 6 5365.78 27.80 245.09 53.54 84.36 17 40 32 4765.8 26.72 236.59
 100.00 7 40 48 1930.82 -20.05 20.41 46.58 112.65 8 12 59 1330.8 -16.81 13.11
 100.00 17 36 38 5089.90 29.24 224.62 53.36 83.48 19 1 28 4489.9 28.03 216.03
 110.00 8 39 29 1747.08 -23.62 4.75 44.87 115.46 9 8 36 1147.1 -20.00 357.48
 110.00 18 54 27 4846.40 33.11 205.52 52.75 80.99 20 15 13 4246.4 31.51 196.66

DIFFERENTIAL CORRECTIONS

TDE .4173 TRA -.8828 TC3 .0246 BAU .0513
 RDE -.4857 RRA -.2153 RC3 .0700 FAU .01866
 FDE -.3133 FRA .3559 FC3 -.3126 BSP 2085
 BDE .6403 BRA .9087 BC3 .0742 FSP -111

MID-COURSE EXECUTION ACCURACY

SGT 786.2 SGR 435.9 SG3 50.9
 RRT -.0048 RRF .0062 RTF -.6546
 SGB 899.0 R23 -.0017 R13 .6546
 SG1 786.2 SG2 435.9 THA 179.78

ORBIT DETERMINATION ACCURACY

ST 395.2 SR 390.5 SS 347.0
 CRT -.7619 CRS -.8919 CST .9705
 LSA 625.4 MSA 194.1 SSA 14.8
 EL1 521.5 EL2 191.7 ALF 135.44

LAUNCH DATE JUN 15 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 165.024

RL 151.96 LAL -.00 LOL 263.23 VL 22.749 GAL 1.14 AZL 93.55 HCA 66.48 SMA 107.97 ECC .40785 INC 3.5459 V1 29.319
 RP 108.90 LAP -3.25 LOP 329.67 VP 34.757 GAP -24.07 AZP 91.42 TAL 178.34 TAP 244.82 RCA 63.93 APO 152.00 V2 34.797
 RC 43.245 GL -11.99 GP -.97 ZAL 87.54 ZAP 12.29 ETS 175.81 ZAE 168.74 ETE 70.78 ZAC 103.27 ETC 14.65 CLP 12.25

PLANETOCENTRIC CONIC

C3 45.857 VHL 6.772 DLA -9.31 RAL 171.30 RAD 6568.7 VEL 12.931 PTH 2.36 VHP 14.428 DPA 9.31 RAP 164.29 ECC 1.7547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 26 46 2128.02 -17.38 36.07 44.52 112.71 7 2 14 1528.0 -14.15 28.88
 90.00 16 3 33 5357.60 27.74 244.50 51.02 84.07 17 32 50 4757.6 26.63 236.01
 100.00 7 43 33 1880.30 -18.69 17.27 43.92 113.76 8 14 53 1280.3 -15.32 10.09
 100.00 17 29 27 5080.55 29.16 223.94 50.84 83.12 18 54 7 4480.6 27.90 215.36
 110.00 8 41 25 1699.09 -22.19 1.76 42.17 116.70 9 9 44 1099.1 -18.42 354.65
 110.00 18 48 4 4834.53 32.98 204.61 50.20 80.47 20 8 39 4234.5 31.32 195.79

DIFFERENTIAL CORRECTIONS

TDE .4186 TRA -.8605 TC3 .0497 BAU .0572
 RDE -.4597 RRA -.2018 RC3 .0789 FAU .01950
 FDE -.3318 FRA .3589 FC3 -.3682 BSP 2215
 BDE .6217 BRA .8838 BC3 .0932 FSP -125

MID-COURSE EXECUTION ACCURACY

SGT 821.1 SGR 438.9 SG3 56.1
 RRT -.0081 RRF .0094 RTF -.6748
 SGB 931.1 R23 -.0017 R13 .6748
 SG1 821.1 SG2 438.9 THA 179.65

ORBIT DETERMINATION ACCURACY

ST 417.6 SR 392.4 SS 368.9
 CRT -.7704 CRS -.8987 CST .9701
 LSA 652.8 MSA 195.2 SSA 15.2
 EL1 539.3 EL2 193.7 ALF 137.31

LAUNCH DATE JUN 15 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 171.594

RL 151.96 LAL -.00 LOL 263.23 VL 23.144 GAL .98 AZL 93.52 HCA 69.64 SMA 109.58 ECC .38703 INC 3.5199 V1 29.319
 RP 108.89 LAP -3.30 LOP 332.84 VP 35.021 GAP -22.77 AZP 91.23 TAL 178.45 TAP 248.09 RCA 67.17 APO 151.99 V2 34.801
 RC 42.956 GL -12.85 GP -1.01 ZAL 87.92 ZAP 10.61 ETS 174.75 ZAE 167.49 ETE 59.42 ZAC 101.86 ETC 14.50 CLP 10.56

PLANETOCENTRIC CONIC

C3 40.786 VHL 6.386 DLA -9.95 RAL 170.61 RAD 6568.6 VEL 12.734 PTH 2.32 VHP 13.699 DPA 8.71 RAP 165.64 ECC 1.6712
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 10 2077.51 -16.02 32.99 41.82 113.66 7 3 47 1477.5 -12.69 25.90
 90.00 15 55 37 5349.09 27.68 243.88 48.38 83.77 17 24 46 4749.1 26.53 235.40
 100.00 7 45 36 1830.94 -17.31 14.25 41.21 114.76 8 16 6 1230.9 -13.83 7.19
 100.00 17 21 52 5070.89 29.08 223.23 48.19 82.76 18 46 23 4470.9 27.77 214.67
 110.00 8 42 40 1652.20 -20.72 358.91 39.43 117.81 9 10 12 1052.2 -16.84 351.94
 110.00 18 41 17 4822.39 32.84 203.70 47.53 79.94 20 1 39 4222.4 31.11 194.90

DIFFERENTIAL CORRECTIONS

TDE .4204 TRA -.8370 TC3 .0809 BAU .0653
 RDE -.4349 RRA -.1888 RC3 .0884 FAU .02044
 FDE -.3519 FRA .3608 FC3 -.4339 BSP 2349
 BDE .6049 BRA .8580 BC3 .1198 FSP -140

MID-COURSE EXECUTION ACCURACY

SGT 856.8 SGR 441.1 SG3 62.0
 RRT -.0117 RRF .0130 RTF -.6943
 SGB 963.6 R23 -.0019 R13 .6943
 SG1 856.8 SG2 441.0 THA 179.53

ORBIT DETERMINATION ACCURACY

ST 441.1 SR 393.6 SS 392.0
 CRT -.7796 CRS -.9056 CST .9699
 LSA 681.7 MSA 195.5 SSA 15.6
 EL1 558.1 EL2 194.8 ALF 139.16

LAUNCH DATE JUN 15 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 178.200

RL 151.96 LAL -.00 LOL 263.23 VL 23.508 GAL .80 AZL 93.50 HCA 72.81 SMA 111.14 ECC .36748 INC 3.4950 V1 29.319
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.268 GAP -21.53 AZP 91.03 TAL 178.62 TAP 251.43 RCA 70.30 APO 151.98 V2 34.806
 RC 42.841 GL -13.74 GP -1.07 ZAL 88.42 ZAP 8.92 ETS 173.28 ZAE 165.87 ETE 50.20 ZAC 100.45 ETC 14.36 CLP 8.85

PLANETOCENTRIC CONIC

C3 36.383 VHL 6.032 DLA -10.56 RAL 169.78 RAD 6568.4 VEL 12.560 PTH 2.28 VHP 13.000 DPA 8.10 RAP 166.98 ECC 1.5988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 30 49 2028.53 -14.66 30.03 39.07 114.50 7 4 38 1428.5 -11.24 23.03
 90.00 15 47 20 5340.34 27.61 243.25 45.64 83.46 17 16 21 4740.3 26.42 234.79
 100.00 7 46 54 1783.08 -15.92 11.37 38.46 115.64 8 16 37 1183.1 -12.35 4.41
 100.00 17 13 56 5061.03 28.99 222.51 45.44 82.39 18 38 17 4461.0 27.64 213.97
 110.00 8 43 13 1606.74 -19.26 356.20 36.67 118.80 9 9 59 1006.7 -15.26 349.35
 110.00 18 34 7 4810.13 32.69 202.77 44.75 79.41 19 54 17 4210.1 30.89 194.01

DIFFERENTIAL CORRECTIONS

TDE .4219 TRA -.8129 TC3 .1186 BAU .0750
 RDE -.4113 RRA -.1762 RC3 .0984 FAU .02152
 FDE -.3738 FRA .3611 FC3 -.5121 BSP 2475
 BDE .5892 BRA .8318 BC3 .1541 FSP -158

MID-COURSE EXECUTION ACCURACY

SGT 893.4 SGR 442.4 SG3 68.5
 RRT -.0148 RRF .0171 RTF -.7122
 SGB 996.9 R23 -.0031 R13 .7122
 SG1 893.4 SG2 442.4 THA 179.44

ORBIT DETERMINATION ACCURACY

ST 464.9 SR 394.1 SS 416.3
 CRT -.7889 CRS -.9128 CST .9694
 LSA 711.6 MSA 195.1 SSA 16.0
 EL1 577.4 EL2 195.0 ALF 140.95

LAUNCH DATE JUN 15 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 184.835

RL 151.96 LAL -.00 LOL 263.23 VL 23.844 GAL .62 AZL 93.47 HCA 75.97 SMA 112.64 ECC .34918 INC 3.4709 V1 29.319
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.498 GAP -20.35 AZP 90.84 TAL 178.85 TAP 254.82 RCA 73.31 APO 151.97 V2 34.812
 RC 42.900 GL -14.65 GP -1.12 ZAL 89.06 ZAP 7.22 ETS 171.10 ZAE 164.02 ETE 42.88 ZAC 99.07 ETC 14.23 CLP 7.13

PLANETOCENTRIC CONIC

C3 32.562 VHL 5.706 DLA -11.14 RAL 168.81 RAD 6568.3 VEL 12.407 PTH 2.24 VHP 12.331 DPA 7.49 RAP 168.30 ECC 1.5359
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 42 1981.42 -13.31 27.23 36.30 115.22 7 4 44 1381.4 -9.81 20.31
 90.00 15 38 45 5331.45 27.54 242.61 42.81 83.15 17 7 37 4731.5 26.31 234.16
 100.00 7 47 27 1737.04 -14.55 8.65 35.68 116.40 8 16 24 1137.0 -10.89 1.77
 100.00 17 5 41 5051.06 28.90 221.78 42.61 82.02 18 29 52 4451.1 27.50 213.26
 110.00 8 43 1 1563.02 -17.80 353.64 33.88 119.68 9 9 4 963.0 -13.72 346.91
 110.00 18 26 37 4797.85 32.54 201.85 41.90 78.89 19 46 34 4197.8 30.66 193.13

DIFFERENTIAL CORRECTIONS

TDE .4236 TRA -.7884 TC3 .1603 BAU .0843
 RDE -.3890 RRA -.1642 RC3 .1088 FAU .02265
 FDE -.3972 FRA .3607 FC3 -.6023 BSP 2576
 BDE .5751 BRA .8054 BC3 .1937 FSP -176

MID-COURSE EXECUTION ACCURACY

SGT 930.3 SGR 443.0 SG3 75.7
 RRT -.0190 RRF .0217 RTF -.7278
 SGB 1030.3 R23 -.0038 R13 .7278
 SG1 930.3 SG2 442.9 THA 179.33

ORBIT DETERMINATION ACCURACY

ST 489.4 SR 393.9 SS 441.5
 CRT -.7985 CRS -.9197 CST .9691
 LSA 742.7 MSA 194.3 SSA 16.5
 EL1 597.4 EL2 194.3 ALF 142.67

LAUNCH DATE JUN 15 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 191.496

RL 151.96 LAL -.00 LOL 263.23 VL 24.154 GAL .42 AZL 93.45 HCA 79.14 SMA 114.08 ECC .33209 INC 3.4475 V1 29.319
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.714 GAP -19.22 AZP 90.65 TAL 179.15 TAP 258.29 RCA 76.19 APO 151.96 V2 34.819
 RC 43.133 GL -15.58 GP -1.19 ZAL 89.83 ZAP 5.52 ETS 167.55 ZAE 162.05 ETE 37.08 ZAC 97.71 ETC 14.11 CLP 5.39

PLANETOCENTRIC CONIC

C3 29.249 VHL 5.408 DLA -11.68 RAL 167.72 RAD 6568.2 VEL 12.273 PTH 2.21 VHP 11.689 DPA 6.88 RAP 169.60 ECC 1.4814
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 48 1936.52 -12.00 24.59 33.49 115.84 7 4 4 1336.5 -8.42 17.74
 90.00 15 29 55 5322.45 27.47 241.96 39.91 82.83 16 58 37 4722.5 26.19 233.53
 100.00 7 47 13 1693.17 -13.21 6.08 32.88 117.06 8 15 27 1093.2 -9.47 359.28
 100.00 16 57 10 5041.03 28.81 221.05 39.70 81.65 18 21 11 4441.0 27.35 212.55
 110.00 8 42 5 1521.35 -16.38 351.25 31.08 120.43 9 7 27 921.4 -12.22 344.61
 110.00 18 18 48 4785.61 32.37 200.93 38.97 78.37 19 38 33 4185.6 30.43 192.25

DIFFERENTIAL CORRECTIONS

TDE .4304 TRA -.7591 TC3 .2173 BAU .0969
 RDE -.3680 RRA -.1528 RC3 .1194 FAU .02398
 FDE -.4242 FRA .3577 FC3 -.7098 BSP 2785
 BDE .5663 BRA .7743 BC3 .2479 FSP -200

MID-COURSE EXECUTION ACCURACY

SGT 968.3 SGR 442.7 SG3 83.8
 RRT -.0272 RRF .0281 RTF -.7486
 SGB 1064.6 R23 -.0024 R13 .7486
 SG1 968.3 SG2 442.5 THA 179.10

ORBIT DETERMINATION ACCURACY

ST 518.3 SR 393.0 SS 469.3
 CRT -.8126 CRS -.9272 CST .9701
 LSA 778.8 MSA 191.2 SSA 16.8
 EL1 621.8 EL2 190.9 ALF 144.52

LAUNCH DATE JUN 15 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 198.177

RL 151.96 LAL -.00 LOL 263.23 VL 24.439 GAL .23 AZL 93.42 HCA 82.31 SMA 115.45 ECC .31618 INC 3.4245 V1 29.319
 RP 108.81 LAP -3.39 LOP 345.53 VP 35.914 GAP -18.14 AZP 90.46 TAL 179.50 TAP 261.81 RCA 78.95 APO 151.96 V2 34.826
 RC 43.534 GL -16.51 GP -1.26 ZAL 90.72 ZAP 3.83 ETS 160.73 ZAE 160.04 ETE 32.44 ZAC 96.37 ETC 14.01 CLP 3.62

PLANETOCENTRIC CONIC

C3 26.380 VHL 5.136 DLA -12.17 RAL 166.50 RAD 6568.1 VEL 12.156 PTH 2.18 VHP 11.075 DPA 6.26 RAP 170.87 ECC 1.4342
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 31 6 1894.14 -10.73 22.13 30.68 116.36 7 2 40 1294.1 -7.10 15.33
 90.00 15 20 53 5313.40 27.39 241.31 36.95 82.51 16 49 27 4713.4 26.07 232.89
 100.00 7 46 13 1651.77 -11.91 3.69 30.06 117.62 8 13 45 1051.8 -8.12 356.95
 100.00 16 48 27 5031.00 28.70 220.33 36.74 81.28 18 12 18 4431.0 27.20 211.85
 110.00 8 40 25 1482.02 -15.01 349.02 28.27 121.08 9 5 7 882.0 -10.78 342.47
 110.00 18 10 44 4773.51 32.20 200.03 36.00 77.86 19 30 18 4173.5 30.19 191.39

DIFFERENTIAL CORRECTIONS

TDE .4293 TRA -.7353 TC3 .2718 BAU .1062
 RDE -.3482 RRA -.1419 RC3 .1299 FAU .02536
 FDE -.4509 FRA .3549 FC3 -.8322 BSP 2848
 BDE .5527 BRA .7488 BC3 .3012 FSP -222

MID-COURSE EXECUTION ACCURACY

SGT 1005.6 SGR 441.5 SG3 92.6
 RRT -.0289 RRF .0332 RTF -.7605
 SGB 1098.3 R23 -.0060 R13 .7606
 SG1 1005.7 SG2 441.3 THA 179.10

ORBIT DETERMINATION ACCURACY

ST 541.1 SR 391.5 SS 495.8
 CRT -.8203 CRS -.9337 CST .9691
 LSA 809.6 MSA 190.1 SSA 17.3
 EL1 640.5 EL2 189.2 ALF 145.93

LAUNCH DATE JUN 15 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 204.874

RL 151.96 LAL -.00 LOL 263.23 VL 24.701 GAL .04 AZL 93.40 HCA 85.48 SMA 116.76 ECC .30140 INC 3.4019 V1 29.319
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.100 GAP -17.11 AZP 90.27 TAL 179.92 TAP 265.39 RCA 81.57 APO 151.96 V2 34.834
 RC 44.099 GL -17.45 GP -1.33 ZAL 91.73 ZAP 2.25 ETS 143.49 ZAE 158.05 ETE 28.67 ZAC 95.06 ETC 13.92 CLP 1.82

PLANETOCENTRIC CONIC

C3 23.897 VHL 4.888 DLA -12.62 RAL 165.16 RAD 6568.0 VEL 12.053 PTH 2.15 VHP 10.485 DPA 5.65 RAP 172.10 ECC 1.3933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 29 34 1854.61 -9.52 19.85 27.85 116.79 7 0 29 1254.6 -5.85 13.09
 90.00 15 11 45 5304.22 27.31 240.65 33.97 82.19 16 40 10 4704.2 25.94 232.25
 100.00 7 44 25 1613.15 -10.68 1.48 27.24 118.08 8 11 18 1013.1 -6.84 354.80
 100.00 16 39 36 5020.92 28.60 219.60 33.75 80.91 18 3 17 4420.9 27.04 211.14
 110.00 8 38 0 1445.30 -13.71 346.97 25.46 121.62 9 2 6 845.3 -9.43 340.49
 110.00 18 2 30 4761.52 32.03 199.14 32.99 77.36 19 21 51 4161.5 29.96 190.54

DIFFERENTIAL CORRECTIONS

TDE .4223 TRA -.7085 TC3 .3426 BAU .1183
 RDE -.3294 RRA -.1315 RC3 .1402 FAU .02689
 FDE -.4616 FRA .3578 FC3 -.9740 BSP 2925
 BDE .5355 BRA .7206 BC3 .3702 FSP -228

MID-COURSE EXECUTION ACCURACY

SGT 1039.9 SGR 439.0 SG3 101.6
 RRT -.0236 RRF .0203 RTF -.7785
 SGB 1128.7 R23 .0020 R13 .7785
 SG1 1039.9 SG2 438.9 THA 179.31

ORBIT DETERMINATION ACCURACY

ST 557.0 SR 388.9 SS 504.5
 CRT -.8259 CRS -.9355 CST .9703
 LSA 824.8 MSA 188.3 SSA 17.7
 EL1 653.1 EL2 187.0 ALF 146.98

LAUNCH DATE JUN 15 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 211.584

RL 151.96 LAL -.00 LOL 263.23 VL 24.942 GAL -.16 AZL 93.38 HCA 88.65 SMA 118.01 ECC .28772 INC 3.3795 V1 29.319
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.274 GAP -16.12 AZP 90.08 TAL 180.39 TAP 269.03 RCA 84.05 APO 151.96 V2 34.842
 RC 44.820 GL -18.38 GP -1.42 ZAL 92.84 ZAP 1.42 ETS 88.70 ZAE 156.15 ETE 25.55 ZAC 93.79 ETC 13.84 CLP -.02

PLANETOCENTRIC CONIC

C3 21.754 VHL 4.664 DLA -13.01 RAL 163.72 RAD 6567.9 VEL 11.964 PTH 2.13 VHP 9.921 DPA 5.04 RAP 173.29 ECC 1.3580
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 27 14 1818.23 -8.40 17.76 25.03 117.14 6 57 32 1218.2 -4.69 11.04
 90.00 15 2 37 5294.89 27.22 239.98 30.97 81.87 16 30 52 4694.9 25.81 231.60
 100.00 7 41 50 1577.58 -9.54 359.47 24.42 118.46 8 8 7 977.6 -5.66 352.82
 100.00 16 30 43 5010.78 28.49 218.86 30.75 80.53 17 54 14 4410.8 26.88 210.43
 110.00 8 34 52 1411.47 -12.49 345.10 22.66 122.08 8 58 23 811.5 -8.17 338.68
 110.00 17 54 10 4749.66 31.85 198.26 29.97 76.87 19 13 20 4149.7 29.71 189.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4434 TRA -.6742 TC3 .4249 BAU .1310 SGT 1084.6 SGR 436.7 SG3 114.7 ST 601.6 SR 387.0 SS 562.0
 RDE -.3128 RRA -.1221 RC3 .1493 FAU .02915 RRT -.0490 RRF .0529 RTF -.7911 CRT -.8481 CRS -.9489 CST .9704
 FDE -.5228 FRA .3366 FC3-1.1601 BSP 3254 SGB 1169.3 R23 -.0067 R13 .7912 LSA 891.1 MSA 182.0 SSA 18.3
 BDE .5426 BRA .6852 BC3 .4503 FSP -293 SG1 1084.9 SG2 436.1 THA 178.65 EL1 692.8 EL2 178.0 ALF 149.12

LAUNCH DATE JUN 15 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 218.302

RL 151.96 LAL -.00 LOL 263.23 VL 25.163 GAL -.34 AZL 93.36 HCA 91.82 SMA 119.18 ECC .27508 INC 3.3571 V1 29.319
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.435 GAP -15.17 AZP 89.89 TAL 180.91 TAP 272.73 RCA 86.39 APO 151.96 V2 34.851
 RC 45.690 GL -19.29 GP -1.51 ZAL 94.05 ZAP 2.44 ETS 37.97 ZAE 154.36 ETE 22.93 ZAC 92.57 ETC 13.78 CLP -1.91

PLANETOCENTRIC CONIC

C3 19.905 VHL 4.462 DLA -13.36 RAL 162.20 RAD 6567.8 VEL 11.886 PTH 2.11 VHP 9.381 DPA 4.43 RAP 174.43 ECC 1.3276
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 7 1785.18 -7.37 15.88 22.23 117.42 6 53 52 1185.2 -3.64 9.19
 90.00 14 53 34 5285.36 27.12 239.30 27.98 81.54 16 21 39 4685.4 25.67 230.93
 100.00 7 38 29 1545.25 -8.48 357.64 21.63 118.77 8 4 14 945.3 -4.58 351.03
 100.00 16 21 53 5000.52 28.37 218.12 27.75 80.16 17 45 14 4400.5 26.72 209.71
 110.00 8 31 2 1380.65 -11.37 343.42 19.89 122.45 8 54 3 780.6 -7.01 337.04
 110.00 17 45 49 4737.89 31.66 197.39 26.96 76.38 19 4 47 4137.9 29.47 188.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4498 TRA -.6401 TC3 .5140 BAU .1431 SGT 1121.5 SGR 433.0 SG3 127.5 ST 630.9 SR 384.0 SS 595.1
 RDE -.2970 RRA -.1131 RC3 .1576 FAU .03129 RRT -.0610 RRF .0635 RTF -.8069 CRT -.8621 CRS -.9556 CST .9716
 FDE -.5622 FRA .3245 FC3-1.3607 BSP 3404 SGB 1202.2 R23 -.0057 R13 .8070 LSA 931.7 MSA 177.0 SSA 18.7
 BDE .5389 BRA .6500 BC3 .5376 FSP -327 SG1 1121.8 SG2 432.1 THA 178.41 EL1 718.5 EL2 170.8 ALF 150.48

LAUNCH DATE JUN 15 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 225.026

RL 151.96 LAL -.00 LOL 263.23 VL 25.366 GAL -.53 AZL 93.33 HCA 94.99 SMA 120.28 ECC .26345 INC 3.3346 V1 29.319
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.584 GAP -14.26 AZP 89.71 TAL 181.48 TAP 276.47 RCA 88.59 APO 151.97 V2 34.860
 RC 46.700 GL -20.17 GP -1.62 ZAL 95.33 ZAP 4.18 ETS 22.32 ZAE 152.73 ETE 20.70 ZAC 91.40 ETC 13.72 CLP -3.85

PLANETOCENTRIC CONIC

C3 18.313 VHL 4.279 DLA -13.64 RAL 160.60 RAD 6567.7 VEL 11.819 PTH 2.09 VHP 8.863 DPA 3.84 RAP 175.52 ECC 1.3014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 20 14 1755.66 -6.44 14.21 19.46 117.63 6 49 30 1155.7 -2.69 7.54
 90.00 14 44 43 5275.53 27.02 238.60 25.02 81.20 16 12 38 4675.5 25.53 230.25
 100.00 7 34 25 1516.34 -7.53 356.02 18.87 119.01 7 59 41 916.3 -3.60 349.44
 100.00 16 13 13 4990.08 28.25 217.37 24.79 79.78 17 36 23 4390.1 -26.55 208.98
 110.00 8 26 33 1353.01 -10.36 341.92 17.15 122.76 8 49 6 753.0 -5.97 335.58
 110.00 17 37 34 4726.17 31.47 196.53 23.98 75.91 18 56 20 4126.2 29.21 188.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4544 TRA -.6109 TC3 .6027 BAU .1530 SGT 1159.6 SGR 428.5 SG3 141.9 ST 658.9 SR 380.7 SS 630.2
 RDE -.2824 RRA -.1047 RC3 .1645 FAU .03367 RRT -.0726 RRF .0757 RTF -.8178 CRT -.8735 CRS -.9616 CST .9720
 FDE -.6063 FRA .3117 FC3-1.5917 BSP 3542 SGB 1236.2 R23 -.0070 R13 .8180 LSA 972.5 MSA 173.3 SSA 19.2
 BDE .5350 BRA .6198 BC3 .6248 FSP -370 SG1 1160.1 SG2 427.2 THA 178.22 EL1 743.0 EL2 164.3 ALF 151.71

LAUNCH DATE JUN 15 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 231.750

RL 151.96 LAL -.00 LOL 263.23 VL 25.551 GAL -.71 AZL 93.31 HCA 98.17 SMA 121.32 ECC .25279 INC 3.3119 V1 29.319
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.722 GAP -13.39 AZP 89.53 TAL 182.09 TAP 280.26 RCA 90.65 APO 151.99 V2 34.870
 RC 47.841 GL -21.01 GP -1.74 ZAL 96.67 ZAP 6.11 ETS 15.97 ZAE 151.28 ETE 18.77 ZAC 90.29 ETC 13.68 CLP -5.85

PLANETOCENTRIC CONIC

C3 16.943 VHL 4.116 DLA -13.87 RAL 158.95 RAD 6567.7 VEL 11.761 PTH 2.08 VHP 8.368 DPA 3.25 RAP 176.54 ECC 1.2788
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 39 1729.77 -5.62 12.75 16.74 117.80 6 44 29 1129.8 -1.85 6.09
 90.00 14 36 9 5265.33 26.91 237.87 22.10 80.85 16 3 54 4665.3 25.37 229.54
 100.00 7 29 40 1490.95 -6.69 354.61 16.16 119.20 7 54 31 890.9 -2.75 348.04
 100.00 16 4 49 4979.39 28.11 216.60 21.87 79.40 17 27 48 4379.4 26.36 208.24
 110.00 8 21 29 1328.65 -9.46 340.61 14.47 123.00 8 43 38 728.6 -5.05 334.30
 110.00 17 29 29 4714.45 31.27 195.67 21.05 75.44 18 48 3 4114.5 28.96 187.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4577 TRA -.5790 TC3 .7001 BAU .1632 SGT 1194.7 SGR 423.2 SG3 158.3 ST 684.3 SR 377.0 SS 666.1
 RDE -.2692 RRA -.0969 RC3 .1693 FAU .03642 RRT -.0851 RRF .0897 RTF -.8285 CRT -.8848 CRS -.9675 CST .9722
 FDE -.6548 FRA .2935 FC3-1.8609 BSP 3659 SGB 1267.4 R23 -.0092 R13 .8287 LSA 1012.4 MSA 169.5 SSA 19.6
 BDE .5310 BRA .5871 BC3 .7203 FSP -417 SG1 1195.3 SG2 421.4 THA 178.03 EL1 765.3 EL2 157.1 ALF 152.77

LAUNCH DATE JUN 15 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 238.473

RL 151.96 LAL -1.00 LOL 263.23 VL 25.720 GAL -1.88 AZL 93.29 HCA 101.35 SMA 122.29 ECC .24303 INC 3.2888 V1 29.319
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.849 GAP -12.55 AZP 89.35 TAL 182.73 TAP 284.08 RCA 92.57 APO 152.01 V2 34.881
 RC 49.103 GL -21.81 GP -1.88 ZAL 98.06 ZAP 8.14 ETS 12.63 ZAE 150.03 ETE 17.07 ZAC 89.25 ETC 13.66 CLP -7.93

PLANETOCENTRIC CONIC

C3 15.767 VML 3.971 DLA -14.03 RAL 157.28 RAD 6567.6 VEL 11.711 PTH 2.06 VHP 7.895 DPA 2.68 RAP 177.50 ECC 1.2595
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 26 1707.55 -4.91 11.50 14.09 117.92 6 38 53 1107.6 -1.14 4.85
 90.00 14 27 59 5254.70 26.80 237.12 19.25 80.49 15 55 34 4654.7 25.21 228.81
 100.00 7 24 20 1469.10 -5.96 353.39 13.51 119.35 7 48 49 869.1 -2.01 346.84
 100.00 15 56 46 4968.39 27.97 215.82 19.01 79.01 17 19 34 4368.4 26.17 207.48
 110.00 8 15 54 1307.56 -8.68 339.48 11.85 123.19 8 37 42 707.6 -4.25 333.19
 110.00 17 21 41 4702.69 31.07 194.82 18.19 74.97 18 40 3 4102.7 28.69 186.42

DIFFERENTIAL CORRECTIONS

TDE .4606 TRA -.5483 TC3 .7992 BAU .1723
 RDE -.2571 RRA -.0897 RC3 .1717 FAU .03950
 FDE -.7090 FRA .2741 FC3-2.1690 BSP 3786
 BDE .5275 BRA .5556 BC3 .8174 FSP -472

MID-COURSE EXECUTION ACCURACY

SGT 1228.6 SGR 417.1 SG3 176.6
 RRT -.0999 RRF .1058 RTF -.8383
 SGB 1297.5 R23 -.0114 R13 .8385
 SG1 1229.4 SG2 414.8 THA 177.81

ORBIT DETERMINATION ACCURACY

ST 708.4 SR 373.1 SS 703.6
 CRT -.8953 CRS -.9726 CST .9726
 LSA 1052.7 MSA 166.1 SSA 19.9
 EL1 786.6 EL2 149.7 ALF 153.73

LAUNCH DATE JUN 15 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 245.191

RL 151.96 LAL -1.00 LOL 263.23 VL 25.874 GAL -1.04 AZL 93.27 HCA 104.53 SMA 123.19 ECC .23415 INC 3.2652 V1 29.319
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.967 GAP -11.74 AZP 89.18 TAL 183.40 TAP 287.93 RCA 94.35 APO 152.04 V2 34.891
 RC 50.476 GL -22.55 GP -2.03 ZAL 99.47 ZAP 10.28 ETS 10.59 ZAE 148.99 ETE 15.55 ZAC 88.30 ETC 13.64 CLP -10.08

PLANETOCENTRIC CONIC

C3 14.759 VML 3.842 DLA -14.14 RAL 155.59 RAD 6567.6 VEL 11.668 PTH 2.05 VHP 7.442 DPA 2.12 RAP 178.37 ECC 1.2429
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 39 1688.98 -4.32 10.46 11.52 118.01 6 32 48 1089.0 -1.54 3.82
 90.00 14 20 18 5243.58 26.67 236.33 16.49 80.11 15 47 42 4643.6 25.03 228.04
 100.00 7 18 29 1450.76 -5.35 352.38 10.95 119.45 7 42 39 850.8 -1.39 345.83
 100.00 15 49 10 4957.03 27.82 215.01 16.25 78.61 17 11 47 4357.0 25.97 206.69
 110.00 8 9 54 1289.72 -8.01 338.53 9.32 123.34 8 31 23 689.7 -3.57 332.26
 110.00 17 14 14 4690.84 30.86 193.96 15.42 74.50 18 32 25 4090.8 28.42 185.61

DIFFERENTIAL CORRECTIONS

TDE .4622 TRA -.5171 TC3 .9015 BAU .1810
 RDE -.2461 RRA -.0832 RC3 .1711 FAU .04304
 FDE -.7684 FRA .2505 FC3-2.5247 BSP 3901
 BDE .5237 BRA .5237 BC3 .9176 FSP -534

MID-COURSE EXECUTION ACCURACY

SGT 1260.0 SGR 410.3 SG3 197.5
 RRT -.1166 RRF .1241 RTF -.8472
 SGB 1325.1 R23 -.0139 R13 .8475
 SG1 1261.0 SG2 407.2 THA 177.57

ORBIT DETERMINATION ACCURACY

ST 729.8 SR 369.1 SS 741.6
 CRT -.9052 CRS -.9773 CST .9729
 LSA 1091.7 MSA 163.0 SSA 20.3
 EL1 805.4 EL2 142.2 ALF 154.55

LAUNCH DATE JUN 15 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 251.902

RL 151.96 LAL -1.00 LOL 263.23 VL 26.014 GAL -1.19 AZL 93.24 HCA 107.71 SMA 124.03 ECC .22608 INC 3.2409 V1 29.319
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.076 GAP -10.96 AZP 89.01 TAL 184.08 TAP 291.79 RCA 95.99 APO 152.07 V2 34.903
 RC 51.950 GL -23.23 GP -2.20 ZAL 100.89 ZAP 12.53 ETS 9.24 ZAE 148.19 ETE 14.18 ZAC 87.44 ETC 13.63 CLP -12.33

PLANETOCENTRIC CONIC

C3 13.895 VML 3.728 DLA -14.19 RAL 153.92 RAD 6567.5 VEL 11.631 PTH 2.04 VHP 7.011 DPA 1.59 RAP 179.15 ECC 1.2287
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 25 1673.93 -3.84 9.61 9.05 118.08 6 26 18 1073.9 -1.05 2.98
 90.00 14 13 12 5231.95 26.53 235.50 13.84 79.72 15 40 24 4631.9 24.84 227.24
 100.00 7 12 12 1435.82 -4.85 351.55 8.49 119.53 7 36 8 835.8 -1.88 345.01
 100.00 15 42 5 4945.29 27.66 214.17 13.59 78.20 17 4 31 4345.3 25.76 205.89
 110.00 8 3 33 1275.00 -7.46 337.74 6.88 123.46 8 24 48 675.0 -3.01 331.49
 110.00 17 7 14 4678.87 30.63 193.10 12.75 74.03 18 25 13 4078.9 28.14 184.79

DIFFERENTIAL CORRECTIONS

TDE .4635 TRA -.4855 TC3 1.0009 BAU .1885
 RDE -.2362 RRA -.0772 RC3 .1672 FAU .04702
 FDE -.8362 FRA .2217 FC3-2.9295 BSP 4007
 BDE .5202 BRA .4916 BC3 1.0148 FSP -606

MID-COURSE EXECUTION ACCURACY

SGT 1287.2 SGR 403.0 SG3 221.0
 RRT -.1378 RRF .1469 RTF -.8551
 SGB 1348.8 R23 -.0167 R13 .8554
 SG1 1288.5 SG2 398.7 THA 177.27

ORBIT DETERMINATION ACCURACY

ST 749.3 SR 365.0 SS 782.2
 CRT -.9147 CRS -.9815 CST .9731
 LSA 1131.5 MSA 160.2 SSA 20.5
 EL1 822.5 EL2 134.4 ALF 155.28

LAUNCH DATE JUN 15 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 258.604

RL 151.96 LAL -1.00 LOL 263.23 VL 26.141 GAL -1.33 AZL 93.22 HCA 110.89 SMA 124.80 ECC .21878 INC 3.2157 V1 29.319
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.176 GAP -10.21 AZP 88.85 TAL 184.78 TAP 295.67 RCA 97.50 APO 152.10 V2 34.914
 RC 53.515 GL -23.84 GP -2.40 ZAL 102.29 ZAP 14.88 ETS 8.30 ZAE 147.64 ETE 12.92 ZAC 86.69 ETC 13.64 CLP -14.69

PLANETOCENTRIC CONIC

C3 13.155 VML 3.627 DLA -14.18 RAL 152.28 RAD 6567.5 VEL 11.599 PTH 2.03 VHP 6.600 DPA 1.07 RAP 179.82 ECC 1.2165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 49 1662.24 -3.46 8.96 6.70 118.12 6 19 32 1062.2 .32 2.33
 90.00 14 6 44 5219.80 26.38 234.65 11.31 79.32 15 33 44 4619.8 24.64 226.41
 100.00 7 5 38 1424.12 -4.46 350.91 6.15 119.59 7 29 22 824.1 -1.48 344.37
 100.00 15 35 37 4933.15 27.49 213.31 11.06 77.77 16 57 50 4333.2 25.53 205.06
 110.00 7 56 59 1263.27 -7.02 337.12 4.56 123.54 8 18 2 663.3 -2.56 330.87
 110.00 17 0 45 4666.77 30.40 192.23 10.21 73.57 18 18 32 4066.8 27.85 183.96

DIFFERENTIAL CORRECTIONS

TDE .4648 TRA -.4529 TC3 1.1029 BAU .1960
 RDE -.2274 RRA -.0719 RC3 .1594 FAU .05163
 FDE -.9128 FRA .1870 FC3-3.3979 BSP 4148
 BDE .5175 BRA .4586 BC3 1.1144 FSP -690

MID-COURSE EXECUTION ACCURACY

SGT 1312.9 SGR 395.2 SG3 248.1
 RRT -.1635 RRF .1739 RTF -.8634
 SGB 1371.1 R23 -.0194 R13 -.8639
 SG1 1314.7 SG2 389.4 THA 176.91

ORBIT DETERMINATION ACCURACY

ST 767.3 SR 361.0 SS 824.9
 CRT -.9240 CRS -.9853 CST .9736
 LSA 1172.3 MSA 157.5 SSA 20.6
 EL1 838.5 EL2 126.3 ALF 155.92

LAUNCH DATE JUN 15 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 265.294

RL 151.96 LAL -1.00 LOL 263.23 VL 26.255 GAL -1.47 AZL 93.19 HCA 114.08 SMA 125.51 ECC .21220 INC 3.1893 V1 29.319
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.268 GAP -9.49 AZP 88.70 TAL 185.47 TAP 299.55 RCA 98.87 APO 152.14 V2 34.926
 RC 55.163 GL -24.37 GP -2.62 ZAL 103.67 ZAP 17.37 ETS 7.61 ZAE 147.34 ETE 11.75 ZAC 86.07 ETC 13.66 CLP -17.17

PLANETOCENTRIC CONIC

C3 12.521 VHL 3.539 DLA -14.12 RAL 150.70 RAD 6567.5 VEL 11.572 PTH 2.02 VHP 6.209 DPA .58 RAP 180.37 ECC 1.2061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 1 1653.66 -3.19 8.48 4.47 118.15 6 12 34 1053.7 .60 1.85
 90.00 14 0 57 5207.17 26.22 233.76 8.92 78.90 15 27 44 4607.2 24.42 225.55
 100.00 6 58 51 1415.40 -4.16 350.42 3.93 119.63 7 22 27 815.4 -.19 343.89
 100.00 15 29 47 4920.66 27.31 212.43 8.66 77.34 16 51 48 4320.7 25.29 204.20
 110.00 7 50 18 1254.29 -6.68 336.65 2.38 123.60 8 11 12 654.3 -2.22 330.40
 110.00 16 54 50 4654.54 30.17 191.36 7.80 73.10 18 12 25 4054.5 27.56 183.14

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4630 TRA -.4230 TC3 1.1947 BAU .2015 SGT 1332.5 SGR 387.1 SG3 278.8 ST 779.4 SR 357.1 SS 868.9
 RDE -.2196 RRA -.0672 RC3 .1473 FAU .05685 RRT -.1922 RRF .2055 RTF -.8696 CRT -.9316 CRS -.9883 CST .9737
 FDE -.9980 FRA .1489 FC3-3.9308 BSP 4225 SGB 1387.6 R23 -.0240 R13 .8701 LSA 1210.5 MSA 156.0 SSA 20.6
 BDE .5124 BRA .4283 BC3 1.2037 FSP -784 SG1 1334.8 SG2 379.2 THA 176.52 EL1 849.0 EL2 119.2 ALF 156.39

LAUNCH DATE JUN 15 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 271.971

RL 151.96 LAL -1.00 LOL 263.23 VL 26.358 GAL -1.59 AZL 93.16 HCA 117.27 SMA 126.16 ECC .20631 INC 3.1616 V1 29.319
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.352 GAP -8.79 AZP 88.55 TAL 186.14 TAP 303.41 RCA 100.13 APO 152.18 V2 34.938
 RC 56.885 GL -24.83 GP -2.87 ZAL 104.99 ZAP 19.99 ETS 7.09 ZAE 147.32 ETE 10.62 ZAC 85.58 ETC 13.68 CLP -19.79

PLANETOCENTRIC CONIC

C3 11.978 VHL 3.461 DLA -14.02 RAL 149.20 RAD 6567.5 VEL 11.548 PTH 2.02 VHP 5.838 DPA .11 RAP 180.79 ECC 1.1971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 38 5 1647.91 -3.00 8.16 2.39 118.17 6 5 33 1047.9 .79 1.53
 90.00 13 55 53 5194.10 26.04 232.84 6.68 78.47 15 22 27 4594.1 24.19 224.66
 100.00 6 52 0 1409.43 -3.96 350.10 1.86 119.65 7 15 29 809.4 .02 343.57
 100.00 15 24 39 4907.82 27.11 211.52 6.42 76.91 16 46 27 4307.8 25.04 203.33
 110.00 7 43 36 1247.83 -6.44 336.30 .33 123.64 8 4 24 647.8 -1.97 330.07
 110.00 16 49 33 4642.18 29.92 190.48 5.55 72.64 18 6 55 4042.2 27.25 182.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4575 TRA -.3951 TC3 1.2707 BAU .2045 SGT 1342.3 SGR 378.9 SG3 313.0 ST 784.4 SR 353.4 SS 912.7
 RDE -.2125 RRA -.0630 RC3 .1307 FAU .06267 RRT -.2251 RRF .2423 RTF -.8734 CRT -.9378 CRS -.9909 CST .9733
 FDE -1.0911 FRA .1058 FC3-4.5296 BSP 4262 SGB 1394.7 R23 -.0305 R13 .8742 LSA 1244.4 MSA 155.6 SSA 20.4
 BDE .5044 BRA .4000 BC3 1.2774 FSP -890 SG1 1345.2 SG2 368.3 THA 176.07 EL1 852.8 EL2 112.9 ALF 156.66

LAUNCH DATE JUN 15 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 278.633

RL 151.96 LAL -1.00 LOL 263.23 VL 26.451 GAL -1.70 AZL 93.13 HCA 120.46 SMA 126.74 ECC .20103 INC 3.1323 V1 29.319
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.429 GAP -8.12 AZP 88.41 TAL 186.80 TAP 307.26 RCA 101.26 APO 152.22 V2 34.951
 RC 58.673 GL -25.20 GP -3.17 ZAL 106.26 ZAP 22.78 ETS 6.71 ZAE 147.57 ETE 9.53 ZAC 85.25 ETC 13.71 CLP -22.57

PLANETOCENTRIC CONIC

C3 11.510 VHL 3.393 DLA -13.87 RAL 147.79 RAD 6567.4 VEL 11.528 PTH 2.01 VHP 5.487 DPA -.33 RAP 181.04 ECC 1.1894
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 9 1644.73 -2.90 7.98 .46 118.18 5 58 34 1044.7 .89 1.35
 90.00 13 51 34 5180.62 25.86 231.90 4.60 78.03 15 17 55 4580.6 23.95 223.75
 100.00 6 45 10 1405.92 -3.84 349.90 359.94 119.67 7 8 36 805.9 .14 343.37
 100.00 15 20 14 4894.66 26.91 210.60 4.33 76.46 16 41 49 4294.7 24.78 202.44
 110.00 7 36 59 1243.64 -6.28 336.08 358.43 123.67 7 57 43 643.6 -1.81 329.85
 110.00 16 44 55 4629.70 29.66 189.60 3.45 72.17 18 2 5 4029.7 26.94 181.47

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4498 TRA -.3686 TC3 1.3346 BAU .2060 SGT 1344.7 SGR 371.0 SG3 351.9 ST 784.0 SR 350.0 SS 958.2
 RDE -.2064 RRA -.0594 RC3 .1087 FAU .06929 RRT -.2641 RRF .2862 RTF -.8763 CRT -.9430 CRS -.9929 CST .9728
 FDE -1.1951 FRA .0573 FC3-5.2118 BSP 4284 SGB 1394.9 R23 -.0386 R13 .8773 LSA 1277.0 MSA 155.7 SSA 20.1
 BDE .4949 BRA .3734 BC3 1.3390 FSP -1011 SG1 1348.5 SG2 356.8 THA 175.52 EL1 851.9 EL2 107.2 ALF 156.78

LAUNCH DATE JUN 15 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 285.279

RL 151.96 LAL -1.00 LOL 263.23 VL 26.534 GAL -1.81 AZL 93.10 HCA 123.65 SMA 127.28 ECC .19635 INC 3.1009 V1 29.319
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.499 GAP -7.47 AZP 88.28 TAL 187.43 TAP 311.08 RCA 102.29 APO 152.27 V2 34.964
 RC 60.521 GL -25.50 GP -3.50 ZAL 107.45 ZAP 25.74 ETS 6.42 ZAE 148.11 ETE 8.42 ZAC 85.10 ETC 13.74 CLP -25.52

PLANETOCENTRIC CONIC

C3 11.106 VHL 3.333 DLA -13.68 RAL 146.49 RAD 6567.4 VEL 11.511 PTH 2.00 VHP 5.156 DPA -.73 RAP 181.13 ECC 1.1828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 19 1643.82 -2.87 7.93 358.69 118.18 5 51 43 1043.8 .92 1.30
 90.00 13 48 1 5166.75 25.66 230.93 2.68 77.59 15 14 8 4566.7 23.69 222.81
 100.00 6 38 28 1404.60 -3.80 349.83 358.18 119.67 7 1 52 804.6 .18 343.30
 100.00 15 16 33 4881.20 26.69 209.66 2.41 76.01 16 37 55 4281.2 24.50 201.54
 110.00 7 30 33 1241.47 -6.20 335.97 356.69 123.68 7 51 14 641.5 -1.73 329.73
 110.00 16 40 58 4617.09 29.40 188.71 1.52 71.71 17 57 55 4017.1 26.62 180.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4410 TRA -.3418 TC3 1.3894 BAU .2066 SGT 1341.0 SGR 364.2 SG3 396.8 ST 780.1 SR 347.4 SS 1007.6
 RDE -.2013 RRA -.0565 RC3 .0804 FAU .07696 RRT -.3118 RRF .3393 RTF -.8792 CRT -.9480 CRS -.9946 CST .9724
 FDE -1.3138 FRA -.0010 FC3-5.9992 BSP 4318 SGB 1389.6 R23 -.0481 R13 .8805 LSA 1311.4 MSA 155.8 SSA 19.7
 BDE .4848 BRA .3465 BC3 1.3917 FSP -1155 SG1 1346.2 SG2 344.7 THA 174.82 EL1 847.9 EL2 101.7 ALF 156.76

LAUNCH DATE JUN 15 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 291.907

RL 151.96 LAL -.00 LOL 263.23 VL 26.607 GAL -1.90 AZL 93.07 HCA 126.84 SMA 127.75 ECC .19220 INC 3.0671 V1 29.319
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.563 GAP -6.84 AZP 88.16 TAL 188.01 TAP 314.86 RCA 103.20 APO 152.31 V2 34.977
 RC 62.420 GL -25.71 GP -3.89 ZAL 108.55 ZAP 28.90 ETS 6.19 ZAE 148.96 ETE 7.26 ZAC 85.15 ETC 13.77 CLP -28.66

PLANETOCENTRIC CONIC

C3 10.756 VHL 3.280 DLA -13.46 RAL 145.31 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 4.845 DPA -1.10 RAP 181.01 ECC 1.1770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 17 40 1644.89 -2.91 7.99 357.09 118.18 5 45 5 1044.9 .89 1.36
 90.00 13 45 14 5152.53 25.45 229.94 .94 77.14 15 11 7 4552.5 23.42 221.86
 100.00 6 31 58 1405.19 -3.82 349.86 356.58 119.67 6 55 23 805.2 .16 343.33
 100.00 15 13 38 4867.45 26.46 208.70 .66 75.56 16 34 45 4267.5 24.21 200.62
 110.00 7 24 22 1241.07 -6.18 335.95 355.12 123.69 7 45 3 641.1 -1.71 329.71
 110.00 16 37 43 4604.34 29.12 187.82 359.77 71.25 17 54 27 4004.3 26.28 179.79

DIFFERENTIAL CORRECTIONS

TDE .4274 TRA -.3194 TC3 1.4154 BAU .2036
 RDE -.1970 RRA -.0541 RC3 .0458 FAU .08545
 FDE -1.4432 FRA -.0628 FC3-6.8782 BSP 4262
 BDE .4706 BRA .3240 BC3 1.4162 FSP -1311

MID-COURSE EXECUTION ACCURACY

SGT 1322.4 SGR 358.9 SG3 446.6
 RRT -.3653 RRF .4007 RTF -.8786
 SGB 1370.2 R23 -.0624 R13 .8806
 SG1 1329.3 SG2 332.4 THA 173.96

ORBIT DETERMINATION ACCURACY

ST 766.7 SR 345.4 SS 1057.1
 CRT -.9513 CRS -.9959 CST .9712
 LSA 1341.5 MSA 157.0 SSA 19.2
 EL1 835.2 EL2 97.8 ALF 156.46

LAUNCH DATE JUN 15 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 298.517

RL 151.96 LAL -.08 LOL 263.23 VL 26.672 GAL -1.97 AZL 93.03 HCA 130.04 SMA 128.18 ECC .18855 INC 3.0302 V1 29.319
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.621 GAP -6.24 AZP 88.05 TAL 188.55 TAP 318.59 RCA 104.01 APO 152.35 V2 34.990
 RC 64.367 GL -25.85 GP -4.34 ZAL 109.56 ZAP 32.28 ETS 6.03 ZAE 150.13 ETE 6.01 ZAC 85.42 ETC 13.80 CLP -32.02

PLANETOCENTRIC CONIC

C3 10.448 VHL 3.232 DLA -13.21 RAL 144.25 RAD 6567.4 VEL 11.482 PTH 2.00 VHP 4.555 DPA -1.45 RAP 180.68 ECC 1.1719
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 11 17 1647.70 -3.00 8.15 355.66 118.17 5 38 44 1047.7 .79 1.52
 90.00 13 43 14 5137.93 25.22 228.93 359.36 76.68 15 8 52 4537.9 23.14 220.88
 100.00 6 25 44 1407.46 -3.89 349.99 355.16 119.66 6 49 12 807.5 .08 343.46
 100.00 15 11 28 4853.39 26.22 207.73 359.09 75.10 16 32 21 4253.4 23.91 199.68
 110.00 7 18 30 1242.22 -6.22 336.01 353.72 123.68 7 39 12 642.2 -1.76 329.77
 110.00 16 35 12 4591.40 28.83 186.93 358.18 70.79 17 51 43 3991.4 25.94 178.94

DIFFERENTIAL CORRECTIONS

TDE .4086 TRA -.3003 TC3 1.4134 BAU .1974
 RDE -.1936 RRA -.0523 RC3 .0035 FAU .09489
 FDE -1.5822 FRA -.1300 FC3-7.8630 BSP 4152
 BDE .4521 BRA .3048 BC3 1.4134 FSP -1486

MID-COURSE EXECUTION ACCURACY

SGT 1287.7 SGR 356.2 SG3 502.0
 RRT -.4240 RRF .4705 RTF -.8749
 SGB 1336.1 R23 -.0828 R13 .8779
 SG1 1297.1 SG2 320.3 THA 172.87

ORBIT DETERMINATION ACCURACY

ST 743.1 SR 344.4 SS 1105.7
 CRT -.9530 CRS -.9969 CST .9693
 LSA 1366.7 MSA 158.7 SSA 18.6
 EL1 813.5 EL2 95.3 ALF 155.81

LAUNCH DATE JUN 15 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 305.107

RL 151.96 LAL -.00 LOL 263.23 VL 26.728 GAL -2.04 AZL 92.99 HCA 133.24 SMA 128.56 ECC .18536 INC 2.9898 V1 29.319
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.674 GAP -5.65 AZP 87.95 TAL 189.04 TAP 322.28 RCA 104.73 APO 152.38 V2 35.003
 RC 66.356 GL -25.90 GP -4.86 ZAL 110.47 ZAP 35.91 ETS 5.89 ZAE 151.62 ETE 4.57 ZAC 85.94 ETC 13.82 CLP -35.62

PLANETOCENTRIC CONIC

C3 10.174 VHL 3.190 DLA -12.93 RAL 143.34 RAD 6567.4 VEL 11.470 PTH 1.99 VHP 4.286 DPA -1.76 RAP 180.10 ECC 1.1674
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 5 11 1652.08 -3.14 8.39 354.39 118.16 5 32 43 1052.1 .65 1.76
 90.00 13 42 2 5122.87 24.98 227.89 357.96 76.21 15 7 25 4522.9 22.84 219.88
 100.00 6 19 49 1411.26 -4.02 350.20 353.90 119.65 6 43 21 811.3 -.05 343.67
 100.00 15 10 5 4838.93 25.96 206.73 357.68 74.63 16 30 44 4238.9 23.60 198.72
 110.00 7 12 59 1244.76 -6.32 336.14 352.48 123.66 7 33 44 644.8 -1.85 329.91
 110.00 16 33 25 4578.19 28.53 186.01 356.77 70.33 17 49 43 3978.2 25.59 178.08

DIFFERENTIAL CORRECTIONS

TDE .3864 TRA -.2840 TC3 1.3838 BAU .1883
 RDE -.1914 RRA -.0511 RC3 -.0480 FAU .10544
 FDE -1.7355 FRA -.2031 FC3-8.9719 BSP 4007
 BDE .4312 BRA .2886 BC3 1.3847 FSP -1686

MID-COURSE EXECUTION ACCURACY

SGT 1239.0 SGR 357.8 SG3 564.0
 RRT -.4881 RRF .5490 RTF -.8680
 SGB 1289.6 R23 -.1113 R13 .8727
 SG1 1252.1 SG2 309.0 THA 171.45

ORBIT DETERMINATION ACCURACY

ST 712.1 SR 345.0 SS 1156.8
 CRT -.9534 CRS -.9976 CST .9667
 LSA 1392.2 MSA 160.8 SSA 17.9
 EL1 785.6 EL2 94.3 ALF 154.82

LAUNCH DATE JUN 15 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 311.678

RL 151.96 LAL -.00 LOL 263.23 VL 26.778 GAL -2.10 AZL 92.94 HCA 136.44 SMA 128.89 ECC .18258 INC 2.9448 V1 29.319
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.721 GAP -5.08 AZP 87.86 TAL 189.46 TAP 325.91 RCA 105.35 APO 152.42 V2 35.016
 RC 68.382 GL -25.87 GP -5.47 ZAL 111.27 ZAP 39.79 ETS 5.79 ZAE 153.45 ETE 2.85 ZAC 86.72 ETC 13.83 CLP -39.47

PLANETOCENTRIC CONIC

C3 9.928 VHL 3.151 DLA -12.61 RAL 142.57 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 4.038 DPA -2.04 RAP 179.26 ECC 1.1634
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 59 24 1657.94 -3.32 8.72 353.30 118.14 5 27 2 1057.9 .46 2.09
 90.00 13 41 40 5107.22 24.72 226.82 356.73 75.73 15 6 47 4507.2 22.52 218.84
 100.00 6 14 15 1416.46 -4.20 350.48 352.81 119.62 6 37 51 816.5 -.22 343.95
 100.00 15 9 31 4823.93 25.68 205.70 356.45 74.16 16 29 55 4223.9 23.26 197.74
 110.00 7 7 51 1248.60 -6.47 336.35 351.41 123.64 7 28 39 648.6 -2.00 330.11
 110.00 16 32 24 4564.55 28.22 185.08 355.52 69.85 17 48 29 3964.6 25.21 177.19

DIFFERENTIAL CORRECTIONS

TDE .3605 TRA -.2704 TC3 1.3269 BAU .1767
 RDE -.1905 RRA -.0506 RC3 -.1109 FAU .11722
 FDE -1.9020 FRA -.2822 FC3-10.2222 BSP 3830
 BDE .4078 BRA .2751 BC3 1.3316 FSP -1913

MID-COURSE EXECUTION ACCURACY

SGT 1176.0 SGR 365.8 SG3 633.3
 RRT -.5534 RRF .6332 RTF -.8571
 SGB 1231.6 R23 -.1510 R13 .8650
 SG1 1194.5 SG2 299.9 THA 169.57

ORBIT DETERMINATION ACCURACY

ST 673.3 SR 347.6 SS 1209.8
 CRT -.9525 CRS -.9981 CST .9631
 LSA 1418.1 MSA 162.7 SSA 17.1
 EL1 751.7 EL2 94.8 ALF 153.35

LAUNCH DATE JUN 15 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 318.229

RL 151.96 LAL -.00 LOL 263.23 VL 26.820 GAL -2.14 AZL 92.89 HCA 139.65 SMA 129.17 ECC .18019 INC 2.8942 V1 29.319
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.763 GAP -4.53 AZP 87.79 TAL 189.82 TAP 329.47 RCA 105.89 APO 152.45 V2 35.029
 RC 70.443 GL -25.75 GP -6.17 ZAL 111.97 ZAP 43.95 ETS 5.69 ZAE 155.61 ETE .65 ZAC 87.79 ETC 13.81 CLP -43.60

PLANETOCENTRIC CONIC

C3 9.700 VHL 3.115 DLA -12.26 RAL 141.95 RAD 6567.3 VEL 11.449 PTH 1.99 VHP 3.813 DPA -2.31 RAP 178.13 ECC 1.1596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 53 57 1665.23 -3.56 9.13 352.37 118.11 5 21 43 1065.2 .23 2.49
 90.00 13 42 11 5090.75 24.44 225.70 355.67 75.24 15 7 1 4490.8 22.18 217.76
 100.00 6 9 1 1423.04 -4.42 350.85 351.89 119.59 6 32 44 823.0 -.45 344.31
 100.00 15 9 48 4808.17 25.39 204.62 355.38 73.67 16 29 56 4208.2 22.90 196.70
 110.00 7 3 6 1253.69 -6.66 336.61 350.51 123.61 7 23 59 653.7 -2.19 330.37
 110.00 16 32 13 4550.29 27.88 184.11 354.44 69.37 17 48 3 3950.3 24.82 176.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3273 TRA -.2624 TC3 1.2216 BAU .1603
 RDE -.1908 RRA -.0506 RC3 -.1860 FAU .12964
 FDE-2.0696 FRA -.3590 FC-11.5701 BSP 3544
 BDE .3789 BRA .2673 BC3 1.2357 FSP -2149

SGT 1088.9 SGR 381.8 SG3 706.7
 RRT -.6075 RRF .7161 RTF -.8357
 SGB 1153.9 R23 -.2110 R13 .8502
 SG1 1115.3 SG2 296.1 THA 167.05

ST 620.5 SR 352.3 SS 1258.2
 CRT -.9481 CRS -.9985 CST .9568
 LSA 1436.9 MSA 165.2 SSA 16.3
 EL1 706.8 EL2 98.3 ALF 151.10

LAUNCH DATE JUN 15 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 324.759

RL 151.96 LAL -.00 LOL 263.23 VL 26.856 GAL -2.17 AZL 92.84 HCA 142.85 SMA 129.41 ECC .17816 INC 2.8363 V1 29.319
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.801 GAP -4.00 AZP 87.74 TAL 190.12 TAP 332.97 RCA 106.36 APO 152.47 V2 35.042
 RC 72.534 GL -25.54 GP -7.01 ZAL 112.56 ZAP 48.40 ETS 5.58 ZAE 158.08 ETE 357.69 ZAC 89.15 ETC 13.76 CLP -48.01

PLANETOCENTRIC CONIC

C3 9.486 VHL 3.080 DLA -11.87 RAL 141.49 RAD 6567.3 VEL 11.440 PTH 1.98 VHP 3.612 DPA -2.58 RAP 176.70 ECC 1.1561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 48 47 1674.09 -3.84 9.62 351.61 118.08 5 16 42 1074.1 -.06 2.99
 90.00 13 43 38 5073.11 24.13 224.50 354.76 74.71 15 8 11 4473.1 21.80 216.60
 100.00 6 4 6 1431.12 -4.69 351.29 351.14 119.56 6 27 57 831.1 -.72 344.76
 100.00 15 11 1 4791.31 25.06 203.47 354.46 73.15 16 30 52 4191.3 22.51 195.60
 110.00 6 58 42 1260.11 -6.90 336.95 349.78 123.56 7 19 42 660.1 -2.44 330.71
 110.00 16 32 54 4535.08 27.51 183.08 353.52 68.86 17 48 29 3935.1 24.39 175.30

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2886 TRA -.2588 TC3 1.0739 BAU .1407
 RDE -.1927 RRA -.0511 RC3 -.2771 FAU .14280
 FDE-2.2366 FRA -.4309 FC-13.0321 BSP 3205
 BDE .3470 BRA .2638 BC3 1.1091 FSP -2402

SGT 983.8 SGR 408.7 SG3 784.4
 RRT -.6406 RRF .7926 RTF -.7995
 SGB 1065.3 R23 -.2946 R13 .8281
 SG1 1021.5 SG2 302.3 THA 163.62

ST 557.1 SR 359.7 SS 1302.9
 CRT -.9394 CRS -.9988 CST .9468
 LSA 1452.2 MSA 167.7 SSA 15.4
 EL1 654.7 EL2 104.9 ALF 147.84

LAUNCH DATE JUN 15 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 331.268

RL 151.96 LAL -.00 LOL 263.23 VL 26.886 GAL -2.19 AZL 92.77 HCA 146.06 SMA 129.62 ECC .17644 INC 2.7691 V1 29.319
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.834 GAP -3.48 AZP 87.70 TAL 190.34 TAP 336.40 RCA 106.75 APO 152.48 V2 35.056
 RC 74.652 GL -25.22 GP -7.99 ZAL 113.05 ZAP 53.14 ETS 5.44 ZAE 160.82 ETE 353.44 ZAC 90.83 ETC 13.65 CLP -52.71

PLANETOCENTRIC CONIC

C3 9.278 VHL 3.046 DLA -11.42 RAL 141.18 RAD 6567.3 VEL 11.431 PTH 1.98 VHP 3.436 DPA -2.87 RAP 174.95 ECC 1.1527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 43 50 1684.81 -4.19 10.22 351.01 118.03 5 11 55 1084.8 -.40 3.59
 90.00 13 46 11 5053.73 23.78 223.19 354.01 74.15 15 10 25 4453.7 21.37 215.34
 100.00 5 59 25 1440.98 -5.02 351.84 350.55 119.51 6 23 26 841.0 -1.05 345.30
 100.00 15 13 17 4772.80 24.69 202.23 353.71 72.59 16 32 50 4172.8 22.07 194.40
 110.00 6 54 37 1268.11 -7.20 337.38 349.21 123.51 7 15 45 668.1 -2.74 331.12
 110.00 16 34 35 4518.43 27.10 181.96 352.76 68.32 17 49 53 3918.4 23.91 174.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2457 TRA -.2578 TC3 .8829 BAU .1197
 RDE -.1966 RRA -.0524 RC3 -.3888 FAU .15657
 FDE-2.4027 FRA -.5041 FC-14.6094 BSP 2852
 BDE .3146 BRA .2631 BC3 .9647 FSP -2679

SGT 864.6 SGR 450.5 SG3 866.5
 RRT -.6381 RRF .8580 RTF -.7377
 SGB 974.9 R23 -.3976 R13 .7995
 SG1 918.7 SG2 326.4 THA 158.81

ST 485.6 SR 371.1 SS 1346.6
 CRT -.9240 CRS -.9991 CST .9304
 LSA 1468.9 MSA 169.8 SSA 14.5
 EL1 600.3 EL2 114.7 ALF 143.21

LAUNCH DATE JUN 15 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 337.757

RL 151.96 LAL -.00 LOL 263.23 VL 26.910 GAL -2.20 AZL 92.69 HCA 149.27 SMA 129.78 ECC .17501 INC 2.6898 V1 29.319
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.864 GAP -2.98 AZP 87.69 TAL 190.49 TAP 339.76 RCA 107.07 APO 152.49 V2 35.069
 RC 76.795 GL -24.77 GP -9.15 ZAL 113.44 ZAP 58.15 ETS 5.24 ZAE 163.72 ETE 346.93 ZAC 92.80 ETC 13.47 CLP -57.69

PLANETOCENTRIC CONIC

C3 9.071 VHL 3.012 DLA -10.90 RAL 141.05 RAD 6567.3 VEL 11.422 PTH 1.98 VHP 3.285 DPA -3.22 RAP 172.88 ECC 1.1493
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 38 57 1697.93 -4.61 10.96 350.58 117.97 5 7 15 1097.9 -.83 4.32
 90.00 13 50 0 5031.84 23.36 221.72 353.40 73.53 15 13 52 4431.8 20.88 213.92
 100.00 5 54 51 1453.10 -5.43 352.51 350.13 119.44 6 19 4 853.1 -1.46 345.96
 100.00 15 16 48 4751.91 24.26 200.82 353.10 71.97 16 36 0 4151.9 21.56 193.06
 110.00 6 50 44 1278.10 -7.57 337.91 348.81 123.43 7 12 2 678.1 -3.13 331.65
 110.00 16 37 24 4499.67 26.62 180.71 352.14 67.72 17 52 24 3899.7 23.36 173.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1952 TRA -.2629 TC3 .6303 BAU .0993
 RDE -.2019 RRA -.0535 RC3 -.5231 FAU .16970
 FDE-2.5357 FRA -.5510 FC-16.1974 BSP 2450
 BDE .2808 BRA .2683 BC3 .8191 FSP -2938

SGT 735.8 SGR 507.4 SG3 944.9
 RRT -.5608 RRF .9077 RTF -.6153
 SGB 893.8 R23 -.5092 R13 .7623
 SG1 807.7 SG2 382.7 THA 152.07

ST 401.7 SR 385.4 SS 1374.7
 CRT -.8911 CRS -.9992 CST .8972
 LSA 1473.1 MSA 172.3 SSA 13.6
 EL1 541.3 EL2 129.8 ALF 136.33

LAUNCH DATE JUN 15 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 344.224

RL 151.96 LAL -.00 LOL 263.23 VL 26.929 GAL -2.20 AZL 92.59 HCA 152.49 SMA 129.91 ECC .17385 INC 2.5936 V1 29.319
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.889 GAP -2.49 AZP 87.70 TAL 190.56 TAP 343.05 RCA 107.33 APO 152.50 V2 35.082
 RC 78.958 GL -24.16 GP -10.53 ZAL 113.73 ZAP 63.41 ETS 4.96 ZAE 166.52 ETE 336.39 ZAC 95.07 ETC 13.18 CLP -62.92

PLANETOCENTRIC CONIC

C3 8.856 VHL 2.976 DLA -10.26 RAL 141.10 RAD 6567.3 VEL 11.413 PTH 1.98 VHP 3.162 DPA -3.69 RAP 170.50 ECC 1.1457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 56 1714.40 -5.13 11.89 350.32 117.89 5 2 31 1114.4 -1.36 5.24
 90.00 13 55 25 5006.18 22.85 220.01 352.94 72.81 15 18 51 4406.2 20.29 212.27
 100.00 5 50 12 1468.38 -5.94 353.36 349.87 119.35 6 14 40 868.4 -1.98 346.80
 100.00 15 21 50 4727.42 23.73 199.19 352.63 71.27 16 40 38 4127.4 20.95 191.50
 110.00 6 46 53 1290.85 -8.05 338.59 348.58 123.33 7 8 24 690.8 -3.61 332.31
 110.00 16 41 38 4477.72 26.04 179.26 351.66 67.03 17 56 16 3877.7 22.70 171.70

DIFFERENTIAL CORRECTIONS

TDE .1406 TRA -.2707 TC3 .3226 BAU .0900
 RDE -.2089 RRA -.0548 RC3 -.6883 FAU .18196
 FDE -2.6303 FRA -.5782 FC -17.7881 BSP 2148
 BDE .2518 BRA .2762 BC3 .7601 FSP -3178

MID-COURSE EXECUTION ACCURACY

SGT 625.1 SGR 584.1 SG3 1018.7
 RRT -.3580 RRF .9432 RTF -.3805
 SGB 855.5 R23 -.5649 R13 .7568
 SG1 706.4 SG2 482.6 THA 140.37

ORBIT DETERMINATION ACCURACY

ST 313.9 SR 403.7 SS 1389.6
 CRT -.8193 CRS -.9994 CST .8260
 LSA 1470.3 MSA 174.4 SSA 12.7
 EL1 489.4 EL2 148.5 ALF 126.38

LAUNCH DATE JUN 15 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 350.670

RL 151.96 LAL -.00 LOL 263.23 VL 26.944 GAL -2.19 AZL 92.47 HCA 155.70 SMA 130.01 ECC .17293 INC 2.4742 V1 29.319
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.912 GAP -2.01 AZP 87.74 TAL 190.56 TAP 346.26 RCA 107.53 APO 152.49 V2 35.094
 RC 81.139 GL -23.31 GP -12.22 ZAL 113.93 ZAP 68.88 ETS 4.55 ZAE 168.67 ETE 319.14 ZAC 97.58 ETC 12.74 CLP -68.37

PLANETOCENTRIC CONIC

C3 8.627 VHL 2.937 DLA -9.45 RAL 141.35 RAD 6567.3 VEL 11.403 PTH 1.97 VHP 3.070 DPA -4.36 RAP 167.81 ECC 1.1420
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 28 27 1735.77 -5.81 13.09 350.23 117.76 4 57 22 1135.8 -2.05 6.43
 90.00 14 2 54 4974.81 22.21 217.93 352.62 71.97 15 25 49 4374.8 19.54 210.28
 100.00 5 45 9 1488.31 -6.60 354.46 349.80 119.22 6 9 57 888.3 -2.66 347.90
 100.00 15 28 53 4697.50 23.06 197.22 352.30 70.44 16 47 11 4097.5 20.18 189.61
 110.00 6 42 51 1307.65 -8.68 339.48 348.53 123.19 7 4 38 707.7 -4.25 333.20
 110.00 16 47 41 4450.92 25.32 177.52 351.32 66.23 18 1 52 3850.9 21.89 170.05

DIFFERENTIAL CORRECTIONS

TDE .0842 TRA -.2798 TC3 -.0421 BAU .1032
 RDE -.2178 RRA -.0560 RC3 -.8939 FAU .19251
 FDE -2.6711 FRA -.5808 FC -19.3194 BSP 2146
 BDE .2336 BRA .2854 BC3 .8949 FSP -3404

MID-COURSE EXECUTION ACCURACY

SGT 577.8 SGR 684.5 SG3 1083.5
 RRT .0115 RRF .9670 RTF .0087
 SGB 895.8 R23 .0299 R13 .9665
 SG1 684.6 SG2 577.7 THA 88.07

ORBIT DETERMINATION ACCURACY

ST 233.6 SR 426.5 SS 1387.9
 CRT -.6454 CRS -.9995 CST .6535
 LSA 1460.0 MSA 176.0 SSA 11.7
 EL1 456.9 EL2 166.6 ALF 112.64

LAUNCH DATE JUN 15 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 357.095

RL 151.96 LAL -.00 LOL 263.23 VL 26.954 GAL -2.16 AZL 92.32 HCA 158.92 SMA 130.08 ECC .17224 INC 2.3208 V1 29.319
 RP 107.94 LAP -.83 LOP 62.17 VP 37.930 GAP -1.55 AZP 87.83 TAL 190.48 TAP 349.41 RCA 107.67 APO 152.48 V2 35.107
 RC 83.336 GL -22.15 GP -14.31 ZAL 114.06 ZAP 74.49 ETS 3.95 ZAE 169.17 ETE 294.97 ZAC 100.31 ETC 12.10 CLP -73.98

PLANETOCENTRIC CONIC

C3 8.373 VHL 2.894 DLA -8.38 RAL 141.83 RAD 6567.3 VEL 11.391 PTH 1.97 VHP 3.009 DPA -5.37 RAP 164.84 ECC 1.1378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 21 54 1764.73 -6.73 14.72 350.35 117.57 4 51 19 1164.7 -2.98 8.05
 90.00 14 13 19 4934.59 21.34 215.31 352.43 70.93 15 35 33 4334.6 18.54 207.75
 100.00 5 39 11 1515.42 -7.50 355.97 349.93 119.02 6 4 27 915.4 -3.57 349.39
 100.00 15 38 43 4659.13 22.16 194.73 352.11 69.41 16 56 22 4059.1 19.16 187.22
 110.00 6 38 10 1330.74 -9.54 340.72 348.69 122.98 7 0 21 730.7 -5.13 334.41
 110.00 16 56 14 4416.58 24.36 175.31 351.11 65.24 18 9 50 3816.6 20.81 167.96

DIFFERENTIAL CORRECTIONS

TDE .0272 TRA -.2902 TC3 -.4750 BAU .1393
 RDE -.2269 RRA -.0553 RC3 -1.1505 FAU .19963
 FDE -2.6140 FRA -.5334 FC -20.6401 BSP 2548
 BDE .2285 BRA .2954 BC3 1.2447 FSP -3556

MID-COURSE EXECUTION ACCURACY

SGT 644.8 SGR 810.9 SG3 1128.6
 RRT .4268 RRF .9817 RTF .4304
 SGB 1036.0 R23 .3176 R13 .9290
 SG1 889.1 SG2 531.8 THA 59.22

ORBIT DETERMINATION ACCURACY

ST 182.5 SR 451.0 SS 1351.5
 CRT -.2216 CRS -.9996 CST .2318
 LSA 1425.4 MSA 177.6 SSA 10.9
 EL1 453.1 EL2 177.2 ALF 96.05

LAUNCH DATE JUN 15 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 363.499

RL 151.96 LAL -.00 LOL 263.23 VL 26.959 GAL -2.12 AZL 92.12 HCA 162.14 SMA 130.12 ECC .17176 INC 2.1147 V1 29.319
 RP 107.91 LAP -.65 LOP 65.39 VP 37.946 GAP -1.10 AZP 87.99 TAL 190.34 TAP 352.48 RCA 107.77 APO 152.47 V2 35.119
 RC 85.546 GL -20.47 GP -17.00 ZAL 114.14 ZAP 80.13 ETS 3.09 ZAE 167.21 ETE 271.91 ZAC 103.18 ETC 11.13 CLP -79.67

PLANETOCENTRIC CONIC

C3 8.083 VHL 2.843 DLA -6.88 RAL 142.61 RAD 6567.3 VEL 11.379 PTH 1.97 VHP 2.987 DPA -6.91 RAP 161.58 ECC 1.1330
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 13 19 1806.17 -8.02 17.08 350.72 117.25 4 43 26 1206.2 -4.31 10.37
 90.00 14 28 7 4879.96 20.08 211.79 352.40 69.61 15 49 27 4280.0 17.12 204.36
 100.00 5 31 23 1554.36 -8.78 358.16 350.32 118.69 5 57 17 954.4 -4.88 351.54
 100.00 15 52 44 4607.00 20.88 191.39 352.07 68.11 17 9 31 4007.0 17.72 184.01
 110.00 6 32 7 1364.21 -10.77 342.53 349.12 122.64 6 54 51 764.2 -6.39 336.17
 110.00 17 8 30 4369.92 23.00 172.37 351.05 63.98 18 21 20 3769.9 19.31 165.18

DIFFERENTIAL CORRECTIONS

TDE -.0238 TRA -.2973 TC3 -.9697 BAU .1917
 RDE -.2352 RRA -.0524 RC3 -1.4860 FAU .20282
 FDE -2.4427 FRA -.4433 FC -21.7238 BSP 3347
 BDE .2364 BRA .3019 BC3 1.7744 FSP -3646

MID-COURSE EXECUTION ACCURACY

SGT 818.9 SGR 974.7 SG3 1151.5
 RRT -.6926 RRF .9905 RTF .6954
 SGB 1273.0 R23 .2935 R13 .9461
 SG1 1174.9 SG2 490.0 THA 52.09

ORBIT DETERMINATION ACCURACY

ST 188.0 SR 475.8 SS 1275.8
 CRT .3231 CRS -.9997 CST -.3129
 LSA 1362.9 MSA 178.4 SSA 10.0
 EL1 480.3 EL2 176.3 ALF 81.58

LAUNCH DATE JUN 15 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 369.883

RL 151.96 LAL -.00 LOL 263.23 VL 26.961 GAL -2.08 AZL 91.82 HCA 165.37 SMA 130.13 ECC .17146 INC 1.8209 V1 29.319
 RP 107.87 LAP -.46 LOP 68.60 VP 37.958 GAP -.66 AZP 88.24 TAL 190.12 TAP 355.48 RCA 107.82 APO 152.44 V2 35.131
 RC 87.767 GL -17.93 GP -20.61 ZAL 114.19 ZAP 85.68 ETS 1.82 ZAE 162.94 ETE 257.13 ZAC 106.14 ETC 9.66 CLP -85.38

PLANETOCENTRIC CONIC

C3 7.739 VHL 2.782 DLA -4.61 RAL 143.81 RAD 6567.3 VEL 11.364 PTH 1.96 VHP 3.012 DPA -9.33 RAP 157.98 ECC 1.1274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 0 47 1869.79 -9.99 20.72 351.49 116.63 4 31 57 1269.8 -6.33 13.95
 90.00 14 50 10 4800.34 18.11 206.78 352.58 67.86 16 10 11 4200.3 14.95 199.53
 100.00 5 19 58 1614.38 -10.72 1.55 351.10 118.07 5 46 52 1014.4 -6.89 354.86
 100.00 16 13 41 4530.99 18.88 186.63 352.24 66.38 17 29 12 3931.0 15.52 179.44
 110.00 6 23 15 1416.26 -12.67 345.37 349.95 122.02 6 46 51 816.3 -8.35 338.94
 110.00 17 26 54 4301.86 20.90 168.20 351.21 62.32 18 38 35 3701.9 17.03 161.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0611 TRA -.2980 TC3-1.5407 BAU .2560 SGT 1062.8 SGR 1185.4 SG3 1136.6 ST 224.9 SR 488.5 SS 1125.3
 RDE -.2363 RRA -.0430 RC3-1.9360 FAU .19951 RRT .8249 RRF .9954 RTF .8258 CRT .6095 CRS -.9997 CST -.5999
 FDE -2.0899 FRA -.2832 FC-22.3188 BSP 4425 SGB 1592.1 R23 .2511 R13 .9633 LSA 1234.3 MSA 178.7 SSA 9.5
 BDE .2441 BRA .3010 BC3 2.4742 FSP -3599 SG1 1521.7 SG2 468.0 THA 48.77 EL1 510.0 EL2 170.8 ALF 72.27

LAUNCH DATE JUN 15 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 376.245

RL 151.96 LAL -.00 LOL 263.23 VL 26.960 GAL -2.02 AZL 91.37 HCA 168.59 SMA 130.12 ECC .17134 INC 1.3657 V1 29.319
 RP 107.83 LAP -.27 LOP 71.82 VP 37.968 GAP -.23 AZP 88.66 TAL 189.83 TAP 358.42 RCA 107.83 APO 152.42 V2 35.143
 RC 89.996 GL -13.73 GP -25.80 ZAL 114.24 ZAP 90.94 ETS 359.91 ZAE 156.61 ETE 249.80 ZAC 109.10 ETC 7.34 CLP -91.04

PLANETOCENTRIC CONIC

C3 7.328 VHL 2.707 DLA -.82 RAL 145.69 RAD 6567.2 VEL 11.345 PTH 1.96 VHP 3.112 DPA -13.28 RAP 153.85 ECC 1.1206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 40 2 1977.80 -13.21 27.02 353.03 115.28 4 13 0 1377.8 -9.70 20.10
 90.00 15 25 56 4672.61 14.66 198.99 353.22 65.50 16 43 48 4072.6 11.24 191.99
 100.00 5 1 0 1716.64 -13.93 7.45 352.67 116.72 5 29 36 1116.6 -10.23 .61
 100.00 16 47 39 4409.00 15.39 179.25 352.87 64.05 18 1 8 3809.0 11.78 172.32
 110.00 6 8 22 1505.76 -15.84 350.36 351.59 120.69 6 33 28 905.8 -11.65 343.76
 110.00 17 56 46 4192.65 17.31 161.76 351.80 60.06 19 6 39 3592.6 13.20 155.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0671 TRA -.2841 TC3-2.1997 BAU .3329 SGT 1341.7 SGR 1477.3 SG3 1075.6 ST 232.4 SR 465.0 SS 867.4
 RDE -.2187 RRA -.0218 RC3-2.5898 FAU .18806 RRT .8896 RRF .9981 RTF .8896 CRT .6454 CRS -.9996 CST -.6339
 FDE -1.5147 FRA -.0614 FC-22.2159 BSP 5793 SGB 1995.7 R23 .2070 R13 .9764 LSA 995.6 MSA 177.3 SSA 9.6
 BDE .2288 BRA .2849 BC3 3.3979 FSP -3417 SG1 1940.4 SG2 466.5 THA 48.09 EL1 492.1 EL2 167.7 ALF 69.66

LAUNCH DATE JUN 15 1967

FLIGHT TIME 138.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 382.586

RL 151.96 LAL -.00 LOL 263.23 VL 26.955 GAL -1.94 AZL 90.56 HCA 171.81 SMA 130.09 ECC .17138 INC .5511 V1 29.319
 RP 107.80 LAP -.08 LOP 75.05 VP 37.975 GAP .19 AZP 89.45 TAL 189.47 TAP 1.28 RCA 107.79 APO 152.38 V2 35.154
 RC 92.232 GL -5.74 GP -33.97 ZAL 114.22 ZAP 95.48 ETS 356.84 ZAE 147.46 ETE 247.46 ZAC 111.83 ETC 3.37 CLP -96.61

PLANETOCENTRIC CONIC

C3 6.897 VHL 2.626 DLA 6.48 RAL 149.01 RAD 6567.2 VEL 11.326 PTH 1.95 VHP 3.368 DPA -20.05 RAP 148.63 ECC 1.1135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 58 42 2194.54 -19.08 40.22 356.78 111.33 3 35 17 1594.5 -16.01 32.88
 90.00 16 33 47 4434.36 7.53 185.13 355.38 62.62 17 47 41 3834.4 3.80 178.43
 100.00 4 23 8 1922.24 -19.82 19.87 356.46 112.84 4 55 10 1322.2 -16.56 12.60
 100.00 17 52 3 4181.90 8.24 166.18 354.99 61.16 19 1 45 3581.9 4.33 159.58
 110.00 5 38 25 1686.59 -21.80 .99 355.47 117.00 6 6 32 1086.6 -18.01 353.92
 110.00 18 53 14 3990.31 10.11 150.51 353.86 57.17 19 59 44 3390.3 5.72 144.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0027 TRA -.2362 TC3-2.9397 BAU .4248 SGT 1628.8 SGR 1887.0 SG3 926.5 ST 162.5 SR 295.6 SS 387.2
 RDE -.1326 RRA .0351 RC3-3.5471 FAU .16125 RRT .9224 RRF .9993 RTF .9223 CRT -.0567 CRS -.9973 CST .0904
 FDE -.5868 FRA .2610 FC-20.2418 BSP 7411 SGB 2492.7 R23 .1654 R13 .9856 LSA 487.0 MSA 162.1 SSA 15.4
 BDE .1327 BRA .2388 BC3 4.6070 FSP -2929 SG1 2445.0 SG2 485.7 THA 49.55 EL1 295.8 EL2 162.1 ALF 92.55

LAUNCH DATE JUN 15 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 388.904

RL 151.96 LAL -.00 LOL 263.23 VL 26.947 GAL -1.86 AZL 88.71 HCA 175.04 SMA 130.04 ECC .17157 INC 1.2815 V1 29.319
 RP 107.77 LAP .11 LOP 78.27 VP 37.979 GAP .60 AZP 91.29 TAL 189.04 TAP 4.08 RCA 107.73 APO 152.35 V2 35.165
 RC 94.474 GL 13.09 GP -48.41 ZAL 112.80 ZAP 98.12 ETS 351.62 ZAE 132.67 ETE 248.16 ZAC 113.43 ETC 356.01 CLP-102.29

PLANETOCENTRIC CONIC

C3 7.169 VHL 2.677 DLA 23.76 RAL 156.87 RAD 6567.2 VEL 11.338 PTH 1.95 VHP 4.142 DPA -32.54 RAP 140.27 ECC 1.1180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 40 4 2853.17 -28.30 85.71 10.27 90.87 1 27 37 2253.2 -27.88 77.07
 90.00 19 55 5 3789.37 -12.81 148.66 6.67 64.53 20 58 14 3189.4 -16.14 141.56
 100.00 2 20 35 2529.10 -29.72 61.81 10.21 93.33 3 2 44 1929.1 -28.95 53.09
 100.00 20 57 15 3588.67 -11.54 133.26 6.02 62.23 21 57 4 2988.7 -15.17 126.35
 110.00 4 7 0 2196.15 -33.05 36.09 9.78 99.29 4 43 36 1596.1 -31.41 27.25
 110.00 21 27 19 3494.39 -8.66 124.39 4.30 56.80 22 25 34 2894.4 -12.97 117.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3054 TRA -.0915 TC3-3.3754 BAU .5379 SGT 1933.8 SGR 2491.8 SG3 630.4 ST 658.9 SR 482.7 SS 549.5
 RDE .2123 RRA .2085 RC3-4.4839 FAU .10821 RRT .9406 RRF .9998 RTF .9417 CRT .9163 CRS -.9998 CST -.9240
 FDE .6806 FRA .6264 FC-13.0686 BSP 9425 SGB 3154.2 R23 .1245 R13 .9920 LSA 964.9 MSA 195.0 SSA 3.7
 BDE .3719 BRA .2277 BC3 5.6123 FSP -1972 SG1 3110.0 SG2 526.1 THA 52.62 EL1 801.2 EL2 159.0 ALF 35.48

LAUNCH DATE JUN 15 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 395.175

RL 151.96 LAL -.00 LOL 263.23 VL 26.937 GAL -1.76 AZL 80.11 HCA 178.24 SMA 129.96 ECC .17190 INC 9.8816 V1 29.319
 RP 107.73 LAP .30 LOP 81.50 VP 37.982 GAP .99 AZP 99.89 TAL 188.53 TAP 6.77 RCA 107.62 APO 152.30 V2 35.175
 RC 96.719 GL 57.34 GP -77.23 ZAL 100.39 ZAP 95.38 ETS 339.65 ZAE 104.26 ETE 245.27 ZAC 110.09 ETC 338.74 CLP-115.10

PLANETOCENTRIC CONIC

C3 30.172 VHL 5.493 DLA 60.16 RAL 193.45 RAD 6568.2 VEL 12.310 PTH 2.22 VHP 8.936 DPA -55.88 RAP 115.32 ECC 1.4965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.41 19 54 22 4472.24 -32.47 221.36 82.05 36.14 21 8 55 3872.2 -38.79 215.74
 145.59 5 32 37 2802.29 -32.46 84.35 82.04 36.13 6 19 19 2202.3 -38.78 78.73
 34.41 19 54 22 4472.24 -32.47 221.36 82.05 36.14 21 8 55 3872.2 -38.79 215.74
 145.59 5 32 37 2802.29 -32.46 84.35 82.04 36.13 6 19 19 2202.3 -38.78 78.73
 34.41 19 54 22 4472.24 -32.47 221.36 82.05 36.14 21 8 55 3872.2 -38.79 215.74
 145.59 5 32 37 2802.29 -32.46 84.35 82.04 36.13 6 19 19 2202.3 -38.78 78.73

DIFFERENTIAL CORRECTIONS

TDE 1.9029 TRA .8469 TC3 -.7798 BAU .5111
 RDE 1.3389 RRA 1.1626 RC3 -.9987 FAU .02306
 FDE 1.0174 FRA .7951 FC3 -.6616 BSP 9532
 BDE 2.3268 BRA 1.4384 BC3 1.2671 FSP -455

MID-COURSE EXECUTION ACCURACY

SGT 2797.6 SGR 3015.9 SG3 181.9
 RRT .9529 RRF .9989 RTF .9658
 SGB 4113.6 R23 .0958 R13 .9953
 SG1 4065.2 SG2 629.3 THA 47.26

ORBIT DETERMINATION ACCURACY

ST 2055.3 SR 1576.8 SS 905.9
 CRT .9758 CRS -.9991 CST -.9842
 LSA 2729.3 MSA 287.1 SSA .7
 EL1 2575.9 EL2 274.9 ALF 37.32

LAUNCH DATE JUN 15 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 401.569

RL 151.96 LAL -.00 LOL 263.23 VL 26.924 GAL -1.67 AZL 80.28 HCA 181.57 SMA 129.87 ECC .17244 INC18.2684 V1 29.319
 RP 107.70 LAP .49 LOP 84.72 VP 37.982 GAP 1.42 AZP 71.73 TAL 188.08 TAP 9.65 RCA 107.48 APO 152.27 V2 35.185
 RC 98.967 GL -65.30 GP 79.15 ZAL 95.87 ZAP 96.41 ETS 47.38 ZAE 95.75 ETE 139.65 ZAC 82.44 ETC 50.18 CLP-126.36

PLANETOCENTRIC CONIC

C3 86.285 VHL 9.289 DLA -50.73 RAL 128.06 RAD 6569.7 VEL 14.409 PTH 2.62 VHP 9.948 DPA 72.32 RAP 253.96 ECC 2.4200
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.98 4 7 51 2017.70 15.88 51.43 24.59 138.84 4 41 29 1417.7 21.82 46.19
 134.02 12 37 27 5771.58 15.89 268.02 24.61 138.84 14 13 38 5171.6 21.84 262.78
 45.98 4 7 51 2017.70 15.88 51.43 24.59 138.84 4 41 29 1417.7 21.82 46.19
 134.02 12 37 27 5771.58 15.89 268.02 24.61 138.84 14 13 38 5171.6 21.84 262.78
 45.98 4 7 51 2017.70 15.88 51.43 24.59 138.84 4 41 29 1417.7 21.82 46.19
 134.02 12 37 27 5771.58 15.89 268.02 24.61 138.84 14 13 38 5171.6 21.84 262.78

DIFFERENTIAL CORRECTIONS

TDE-4.2454 TRA-1.6762 TC3 -.1741 BAU .2315
 RDE 3.6676 RRA .3023 RC3 .0999 FAU .01012
 FDE-2.6949 FRA -.5870 FC3 -.1015 BSP 8335
 BDE 5.6102 BRA 1.7033 BC3 .2007 FSP -340

MID-COURSE EXECUTION ACCURACY

SGT 3103.1 SGR 2288.9 SG3 152.8
 RRT -.9102 RRF -.9795 RTF .9748
 SGB 3855.9 R23 .0779 R13 -.9969
 SG1 3776.5 SG2 778.9 THA 144.38

ORBIT DETERMINATION ACCURACY

ST 2664.1 SR 2264.0 SS 1436.3
 CRT -.9894 CRS .9980 CST -.9966
 LSA 3771.2 MSA 253.1 SSA .6
 EL1 3487.1 EL2 251.5 ALF 139.69

LAUNCH DATE JUN 15 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 407.795

RL 151.96 LAL -.00 LOL 263.23 VL 26.908 GAL -1.55 AZL 98.22 HCA 184.77 SMA 129.77 ECC .17304 INC 8.2189 V1 29.319
 RP 107.67 LAP .68 LOP 87.95 VP 37.979 GAP 1.79 AZP 81.81 TAL 187.45 TAP 12.22 RCA 107.31 APO 152.22 V2 35.195
 RC 101.218 GL -53.55 GP 47.44 ZAL 100.75 ZAP 108.01 ETS 22.18 ZAE 124.45 ETE 125.52 ZAC 95.29 ETC 29.19 CLP-117.20

PLANETOCENTRIC CONIC

C3 22.856 VHL 4.781 DLA -39.63 RAL 134.33 RAD 6567.9 VEL 12.010 PTH 2.14 VHP 4.371 DPA 56.84 RAP 181.53 ECC 1.3762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.02 5 30 29 1541.01 25.73 16.85 8.73 121.25 5 56 10 941.0 29.67 9.40
 118.98 12 4 52 5596.07 25.75 261.05 8.74 121.24 13 38 8 4996.1 29.68 253.60
 61.02 5 30 29 1541.01 25.73 16.85 8.73 121.25 5 56 10 941.0 29.67 9.40
 118.98 12 4 52 5596.07 25.75 261.05 8.74 121.24 13 38 8 4996.1 29.68 253.60
 61.02 5 30 29 1541.01 25.73 16.85 8.73 121.25 5 56 10 941.0 29.67 9.40
 118.98 12 4 52 5596.07 25.75 261.05 8.74 121.24 13 38 8 4996.1 29.68 253.60

DIFFERENTIAL CORRECTIONS

TDE-1.7566 TRA -.8755 TC3-1.4600 BAU .5535
 RDE 1.6189 RRA .2931 RC3 1.0723 FAU .09041
 FDE-4.8589 FRA -.9975 FC3-3.4244 BSP 11316
 BDE 2.3889 BRA .9232 BC3 1.8115 FSP -1897

MID-COURSE EXECUTION ACCURACY

SGT 2870.0 SGR 2241.4 SG3 592.6
 RRT -.9541 RRF -.9994 RTF .9624
 SGB 3641.5 R23 .1595 R13 -.9870
 SG1 3602.0 SG2 535.0 THA 142.33

ORBIT DETERMINATION ACCURACY

ST 2145.0 SR 1945.3 SS 2206.7
 CRT -.9926 CRS 1.0000 CST -.9937
 LSA 3635.1 MSA 201.5 SSA 1.1
 EL1 2890.4 EL2 174.8 ALF 137.82

LAUNCH DATE JUN 15 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 414.040

RL 151.96 LAL -.00 LOL 263.23 VL 26.891 GAL -1.42 AZL 96.25 HCA 188.00 SMA 129.65 ECC .17378 INC 6.2465 V1 29.319
 RP 107.65 LAP .87 LOP 91.19 VP 37.975 GAP 2.17 AZP 83.81 TAL 186.78 TAP 14.78 RCA 107.12 APO 152.18 V2 35.204
 RC 103.470 GL -47.03 GP 31.56 ZAL 101.97 ZAP 115.68 ETS 18.30 ZAE 135.87 ETE 136.41 ZAC 102.55 ETC 26.73 CLP-120.57

PLANETOCENTRIC CONIC

C3 15.985 VHL 3.998 DLA -33.98 RAL 138.42 RAD 6567.6 VEL 11.720 PTH 2.07 VHP 3.675 DPA 43.40 RAP 168.16 ECC 1.2631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.38 6 36 39 1309.39 24.80 357.63 5.12 114.01 6 58 28 709.4 27.82 349.78
 109.62 11 31 20 5659.09 24.81 265.59 5.13 114.00 13 5 39 5059.1 27.83 257.74
 70.38 6 36 39 1309.39 24.80 357.63 5.12 114.01 6 58 28 709.4 27.82 349.78
 109.62 11 31 20 5659.09 24.81 265.59 5.13 114.00 13 5 39 5059.1 27.83 257.74
 110.00 11 5 17 5738.61 22.43 270.56 3.90 116.50 12 40 55 5138.6 25.80 263.03
 110.00 12 1 53 5565.91 27.23 259.45 6.26 111.51 13 34 39 4965.9 29.90 251.27

DIFFERENTIAL CORRECTIONS

TDE-1.4714 TRA -.6812 TC3-2.2786 BAU .5327
 RDE .8458 RRA .0943 RC3 1.0110 FAU .12249
 FDE-5.0409 FRA -.6694 FC3-6.6338 BSP 9744
 BDE 1.6971 BRA .6877 BC3 2.4928 FSP -2297

MID-COURSE EXECUTION ACCURACY

SGT 3025.2 SGR 1466.0 SG3 780.8
 RRT -.9516 RRF -.9988 RTF .9605
 SGB 3361.7 R23 .2203 R13 -.9748
 SG1 3336.8 SG2 408.3 THA 154.84

ORBIT DETERMINATION ACCURACY

ST 2138.6 SR 1213.3 SS 2296.7
 CRT -.9921 CRS 1.0000 CST -.9930
 LSA 3358.8 MSA 197.6 SSA 1.9
 EL1 2455.2 EL2 132.5 ALF 150.53

LAUNCH DATE JUN 15 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 420.262

RL 151.96 LAL -.00 LOL 263.23 VL 26.871 GAL -1.28 AZL 95.41 HCA 191.24 SMA 129.52 ECC .17465 INC 5.4049 V1 29.319
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.969 GAP 2.55 AZP 84.70 TAL 186.07 TAP 17.31 RCA 106.90 APO 152.14 V2 35.212
 RC 105.723 GL -43.31 GP 22.85 ZAL 101.95 ZAP 121.19 ETS 15.83 ZAE 139.93 ETE 146.61 ZAC 106.50 ETC 24.81 CLP-124.19

PLANETOCENTRIC CONIC

C3 13.612 VHL 3.689 DLA -30.99 RAL 141.22 RAD 6567.5 VEL 11.619 PTH 2.04 VHP 3.536 DPA 35.69 RAP 162.89 ECC 1.2240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.86 7 30 35 1140.62 23.61 344.19 4.50 110.68 7 49 36 540.6 26.20 336.26
 103.14 10 59 46 5756.25 23.62 272.47 4.51 110.66 12 35 42 5156.3 26.22 264.54
 76.86 7 30 35 1140.62 23.61 344.19 4.50 110.68 7 49 36 540.6 26.20 336.26
 103.14 10 59 46 5756.25 23.62 272.47 4.51 110.66 12 35 42 5156.3 26.22 264.54
 110.00 9 53 40 675.20 15.02 305.86 .10 121.07 10 4 55 75.2 19.03 299.03
 110.00 13 35 51 5269.67 32.81 238.25 7.38 100.17 15 3 41 4669.7 33.87 229.17

DIFFERENTIAL CORRECTIONS

TDE-1.4243 TRA -.6214 TC3-2.9904 BAU .5660
 RDE .5525 RRA .0488 RC3 .8555 FAU .13909
 FDE-4.8766 FRA -.5180 FC3-8.8465 BSP 10576
 BDE 1.5278 BRA .5233 BC3 3.1103 FSP -2728

MID-COURSE EXECUTION ACCURACY

SGT 3320.9 SGR 1068.9 SG3 867.6
 RRT -.9551 RRF -.9970 RTF .9659
 SGB 3488.7 R23 .2252 R13 -.9723
 SG1 3475.6 SG2 302.6 THA 162.78

ORBIT DETERMINATION ACCURACY

ST 2238.6 SR 858.7 SS 2315.8
 CRT -.9927 CRS 1.0000 CST -.9935
 LSA 3327.9 MSA 190.9 SSA 2.9
 EL1 2395.7 EL2 96.7 ALF 159.12

LAUNCH DATE JUN 15 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 426.469

RL 151.96 LAL -.00 LOL 263.23 VL 26.850 GAL -1.13 AZL 94.94 HCA 194.47 SMA 129.37 ECC .17564 INC 4.9361 V1 29.319
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.961 GAP 2.92 AZP 85.22 TAL 185.31 TAP 19.79 RCA 106.65 APO 152.09 V2 35.220
 RC 107.975 GL -40.91 GP 17.56 ZAL 101.32 ZAP 125.62 ETS 14.12 ZAE 140.89 ETE 154.45 ZAC 108.76 ETC 23.33 CLP-127.65

PLANETOCENTRIC CONIC

C3 12.439 VHL 3.527 DLA -29.28 RAL 143.54 RAD 6567.5 VEL 11.568 PTH 2.02 VHP 3.546 DPA 30.90 RAP 160.16 ECC 1.2047
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.21 8 20 12 992.55 22.80 332.84 4.98 108.89 8 36 45 392.5 25.17 324.90
 97.79 10 28 39 5865.48 22.81 280.29 4.98 108.88 12 6 24 5265.5 25.17 272.34
 100.00 9 55 4 685.12 19.22 308.87 3.50 113.34 10 6 29 85.1 22.21 301.35
 100.00 11 36 28 5648.14 26.48 265.40 6.19 104.40 13 10 36 5048.1 28.20 257.02
 110.00 9 37 0 741.98 12.64 309.57 359.91 122.03 9 49 22 142.0 16.78 302.91
 110.00 14 11 1 5164.04 33.79 230.16 7.67 95.48 15 37 5 4564.0 34.18 220.94

DIFFERENTIAL CORRECTIONS

TDE-1.4219 TRA -.5636 TC3-3.5270 BAU .5964
 RDE .3942 RRA .0216 RC3 .6506 FAU .13944
 FDE-4.5136 FRA -.2892 FC3-9.7048 BSP 11119
 BDE 1.4755 BRA .5640 BC3 3.5866 FSP -2754

MID-COURSE EXECUTION ACCURACY

SGT 3553.5 SGR 788.8 SG3 868.0
 RRT -.9501 RRF -.9917 RTF .9674
 SGB 3640.0 R23 .2190 R13 -.9706
 SG1 3632.0 SG2 240.8 THA 168.04

ORBIT DETERMINATION ACCURACY

ST 2332.5 SR 640.6 SS 2248.2
 CRT -.9932 CRS 1.0000 CST -.9936
 LSA 3297.0 MSA 187.7 SSA 3.9
 EL1 2417.8 EL2 72.2 ALF 164.73

LAUNCH DATE JUN 15 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 432.659

RL 151.96 LAL -.00 LOL 263.23 VL 26.827 GAL -.97 AZL 94.64 HCA 197.72 SMA 129.22 ECC .17676 INC 4.6357 V1 29.319
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.951 GAP 3.29 AZP 85.58 TAL 184.51 TAP 22.22 RCA 106.38 APO 152.06 V2 35.227
 RC 110.226 GL -39.22 GP 14.05 ZAL 100.34 ZAP 129.41 ETS 12.87 ZAE 140.56 ETE 160.17 ZAC 110.05 ETC 22.16 CLP-130.88

PLANETOCENTRIC CONIC

C3 11.753 VHL 3.428 DLA -28.29 RAL 145.67 RAD 6567.4 VEL 11.539 PTH 2.01 VHP 3.616 DPA 27.66 RAP 158.65 ECC 1.1934
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 21 21 810.48 21.53 319.02 5.72 108.85 9 34 51 210.5 23.90 311.15
 90.00 9 44 28 735.55 23.09 314.08 6.26 106.86 9 56 43 135.5 25.18 306.03
 100.00 9 32 7 775.59 16.69 314.39 3.65 115.17 9 45 3 175.6 19.94 307.11
 100.00 12 16 22 5533.71 28.16 257.32 7.63 100.46 13 48 36 4933.7 29.32 248.70
 110.00 9 32 31 774.33 11.47 311.34 .69 122.42 9 45 26 174.3 15.67 304.75
 110.00 14 32 27 5107.74 34.07 225.79 8.44 92.90 15 57 35 4507.7 34.10 216.55

DIFFERENTIAL CORRECTIONS

TDE-1.4431 TRA -.5084 TC3-3.9697 BAU .6282
 RDE .3023 RRA .0087 RC3 .4731 FAU .13442
 FDE-4.1517 FRA -.0837 FC3-9.9013 BSP 11661
 BDE 1.4745 BRA .5084 BC3 3.9978 FSP -2661

MID-COURSE EXECUTION ACCURACY

SGT 3762.5 SGR 600.7 SG3 838.8
 RRT -.9370 RRF -.9792 RTF .9682
 SGB 3810.2 R23 .1984 R13 -.9698
 SG1 3804.5 SG2 207.6 THA 171.47

ORBIT DETERMINATION ACCURACY

ST 2430.6 SR 505.4 SS 2168.9
 CRT -.9939 CRS .9999 CST -.9937
 LSA 3291.4 MSA 184.6 SSA 5.0
 EL1 2482.0 EL2 54.6 ALF 168.32

LAUNCH DATE JUN 15 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 438.830

RL 151.96 LAL -.00 LOL 263.23 VL 26.802 GAL -.79 AZL 94.43 HCA 200.96 SMA 129.05 ECC .17801 INC 4.4255 V1 29.319
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.940 GAP 3.65 AZP 85.87 TAL 183.66 TAP 24.61 RCA 106.08 APO 152.02 V2 35.233
 RC 112.475 GL -37.94 GP 11.59 ZAL 99.12 ZAP 132.79 ETS 11.92 ZAE 139.69 ETE 164.32 ZAC 110.72 ETC 21.20 CLP-133.90

PLANETOCENTRIC CONIC

C3 11.316 VHL 3.364 DLA -27.72 RAL 147.73 RAD 6567.4 VEL 11.520 PTH 2.01 VHP 3.716 DPA 25.28 RAP 157.86 ECC 1.1862
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 50 7 931.13 18.68 326.72 6.09 111.68 9 5 38 331.1 21.46 319.15
 90.00 10 32 10 5887.14 25.48 282.70 8.37 102.80 12 10 17 5287.1 26.99 274.36
 100.00 9 27 3 811.77 15.63 316.56 4.69 115.81 9 40 34 211.8 18.97 309.36
 100.00 12 37 55 5481.73 28.75 253.57 9.06 98.57 14 9 17 4881.7 29.63 244.87
 110.00 9 33 54 790.24 10.89 312.21 1.97 122.60 9 47 4 190.2 15.11 305.65
 110.00 14 47 34 5076.03 34.16 223.32 9.62 91.44 16 12 10 4476.0 33.98 214.08

DIFFERENTIAL CORRECTIONS

TDE-1.4782 TRA -.4515 TC3-4.3456 BAU .6593
 RDE .2459 RRA .0036 RC3 .3271 FAU .12730
 FDE-3.8295 FRA .0932 FC3-9.7393 BSP 12225
 BDE 1.4985 BRA .4515 BC3 4.3579 FSP -2541

MID-COURSE EXECUTION ACCURACY

SGT 3954.9 SGR 473.2 SG3 799.0
 RRT -.9104 RRF -.9536 RTF .9686
 SGB 3983.1 R23 .1683 R13 -.9695
 SG1 3978.3 SG2 194.6 THA 173.77

ORBIT DETERMINATION ACCURACY

ST 2532.7 SR 418.9 SS 2095.0
 CRT -.9950 CRS .9998 CST -.9938
 LSA 3308.5 MSA 181.2 SSA 6.2
 EL1 2566.8 EL2 41.3 ALF 170.65

LAUNCH DATE JUN 15 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 444.983

RL 151.96 LAL -.00 LOL 263.23 VL 26.777 GAL -.60 AZL 94.27 HCA 204.20 SMA 128.88 ECC .17938 INC 4.2695 V1 29.319
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.927 GAP 4.01 AZP 86.10 TAL 182.77 TAP 26.97 RCA 105.76 APO 151.99 V2 35.239
 RC 114.720 GL -36.89 GP 9.78 ZAL -97.72 ZAP 135.83 ETS 11.16 ZAE 138.61 ETE 167.38 ZAC 110.93 ETC 20.38 CLP-136.71

PLANETOCENTRIC CONIC

C3 11.027 VHL 3.321 DLA -27.43 RAL 149.80 RAD 6567.4 VEL 11.507 PTH 2.00 VHP 3.832 DPA 23.44 RAP 157.58 ECC 1.1815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 47 22 961.99 17.89 328.64 7.45 112.32 9 3 24 362.0 20.76 321.14
 90.00 10 51 26 5845.63 26.07 279.81 10.13 101.47 12 28 52 5245.6 27.39 271.39
 100.00 9 29 15 826.64 15.19 317.44 6.19 116.06 9 43 2 226.6 18.57 310.28
 100.00 12 52 14 5456.21 28.99 251.71 10.68 97.62 14 23 10 4856.2 29.74 242.98
 110.00 9 38 49 796.61 10.65 312.55 3.57 122.67 9 52 5 196.6 14.89 306.01
 110.00 14 59 10 5059.00 34.18 221.99 11.13 90.66 16 23 29 4459.0 33.89 212.76

DIFFERENTIAL CORRECTIONS

TDE-1.5241 TRA -.3924 TC3-4.6792 BAU .6905
 RDE .2102 RRA .0028 RC3 .2093 FAU .11982
 FDE-3.5546 FRA .2427 FC3-9.4071 BSP 12821
 BDE 1.5386 BRA .3924 BC3 4.6839 FSP -2418

MID-COURSE EXECUTION ACCURACY

SGT 4141.9 SGR 388.4 SG3 757.5
 RRT -.8639 RRF -.9074 RTF .9689
 SGB 4160.1 R23 .1360 R13 -.9694
 SG1 4155.5 SG2 195.0 THA 175.36

ORBIT DETERMINATION ACCURACY

ST 2641.4 SR 362.7 SS 2032.3
 CRT -.9963 CRS .9994 CST -.9940
 LSA 3347.7 MSA 177.6 SSA 7.3
 EL1 2666.0 EL2 30.7 ALF 172.21

LAUNCH DATE JUN 15 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 451.117

RL 151.96 LAL -.00 LOL 263.23 VL 26.749 GAL -.41 AZL 94.15 HCA 207.44 SMA 128.70 ECC .18087 INC 4.1484 V1 29.319
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.913 GAP 4.37 AZP 86.32 TAL 181.84 TAP 29.28 RCA 105.42 APO 151.97 V2 35.244
 RC 116.961 GL -36.00 GP 8.39 ZAL 96.15 ZAP 138.61 ETS 10.54 ZAE 137.49 ETE 169.69 ZAC 110.79 ETC 19.67 CLP-139.32

PLANETOCENTRIC CONIC

C3 10.840 VHL 3.292 DLA -27.34 RAL 151.92 RAD 6567.4 VEL 11.499 PTH 2.00 VHP 3.961 DPA 21.92 RAP 157.66 ECC 1.1784
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 52 37 968.96 17.71 329.07 9.23 112.46 9 8 46 369.0 20.60 321.59
 90.00 11 3 3 5831.63 26.26 278.83 12.00 101.01 12 40 14 5231.6 27.51 270.38
 100.00 9 35 47 829.45 15.10 317.60 8.01 116.11 9 49 37 229.5 18.49 310.45
 100.00 13 2 33 5446.37 29.08 250.99 12.51 97.26 14 33 19 4846.4 29.78 242.25
 110.00 9 46 10 796.86 10.64 312.56 5.43 122.68 9 59 27 196.9 14.88 306.02
 110.00 15 8 40 5051.73 34.18 221.42 12.91 90.32 16 32 52 4451.7 33.85 212.19

DIFFERENTIAL CORRECTIONS

TDE-1.5714 TRA -.3242 TC3-4.9592 BAU .7189
 RDE .1863 RRA .0041 RC3 .1118 FAU .11183
 FDE-3.2969 FRA .3852 FC3-8.9317 BSP 13337
 BDE 1.5824 BRA .3242 BC3 4.9604 FSP -2277

MID-COURSE EXECUTION ACCURACY

SGT 4306.4 SGR 332.5 SG3 712.9
 RRT -.7906 RRF -.8335 RTF .9686
 SGB 4319.2 R23 .1079 R13 -.9689
 SG1 4314.5 SG2 203.2 THA 176.50

ORBIT DETERMINATION ACCURACY

ST 2743.1 SR 324.2 SS 1965.9
 CRT -.9977 CRS .9986 CST -.9941
 LSA 3385.8 MSA 174.3 SSA 8.4
 EL1 2762.1 EL2 22.0 ALF 173.28

LAUNCH DATE JUN 15 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 457.233

RL 151.96 LAL -.00 LOL 263.23 VL 26.721 GAL -.19 AZL 94.05 HCA 210.69 SMA 128.51 ECC .18250 INC 4.0511 V1 29.319
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.897 GAP 4.73 AZP 86.51 TAL 180.87 TAP 31.56 RCA 105.05 APO 151.96 V2 35.248
 RC 119.197 GL -35.19 GP 7.31 ZAL 94.45 ZAP 141.17 ETS 10.02 ZAE 136.39 ETE 171.46 ZAC 110.38 ETC 19.03 CLP-141.76

PLANETOCENTRIC CONIC

C3 10.729 VHL 3.275 DLA -27.38 RAL 154.09 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 4.098 DPA 20.63 RAP 158.04 ECC 1.1766
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 2 45 962.05 17.89 328.64 11.32 112.32 9 18 47 362.0 20.76 321.15
 90.00 11 10 16 5834.34 26.22 279.02 14.01 101.10 12 47 30 5234.3 27.49 270.58
 100.00 9 45 21 824.42 15.25 317.31 10.08 116.02 9 59 5 224.4 18.63 310.14
 100.00 13 10 21 5447.21 29.07 251.05 14.53 97.29 14 41 8 4847.2 29.77 242.32
 110.00 9 55 21 793.02 10.79 312.36 7.51 122.64 10 8 34 193.0 15.01 305.80
 110.00 15 16 51 5051.37 34.18 221.39 14.93 90.30 16 41 2 4451.4 33.85 212.16

DIFFERENTIAL CORRECTIONS

TDE-1.6256 TRA -.2543 TC3-5.2089 BAU .7472
 RDE .1713 RRA .0077 RC3 .0334 FAU .10449
 FDE-3.0797 FRA .4948 FC3-8.4317 BSP 13857
 BDE 1.6346 BRA .2544 BC3 5.2090 FSP -2148

MID-COURSE EXECUTION ACCURACY

SGT 4470.0 SGR 300.7 SG3 671.9
 RRT -.6949 RRF -.7354 RTF .9688
 SGB 4480.1 R23 .0842 R13 -.9690
 SG1 4474.9 SG2 216.0 THA 177.32

ORBIT DETERMINATION ACCURACY

ST 2849.3 SR 299.6 SS 1911.2
 CRT -.9987 CRS .9972 CST -.9943
 LSA 3439.8 MSA 169.9 SSA 9.5
 EL1 2865.0 EL2 15.0 ALF 174.01

LAUNCH DATE JUN 15 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 463.327

RL 151.96 LAL -.00 LOL 263.23 VL 26.692 GAL .03 AZL 93.97 HCA 213.94 SMA 128.31 ECC .18426 INC 3.9708 V1 29.319
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.879 GAP 5.08 AZP 86.70 TAL 179.87 TAP 33.81 RCA 104.67 APO 151.96 V2 35.252
 RC 121.426 GL -34.44 GP 6.45 ZAL 92.63 ZAP 143.54 ETS 9.59 ZAE 135.36 ETE 172.84 ZAC 109.73 ETC 18.44 CLP-144.04

PLANETOCENTRIC CONIC

C3 10.681 VHL 3.268 DLA -27.52 RAL 156.34 RAD 6567.4 VEL 11.492 PTH 2.00 VHP 4.243 DPA 19.47 RAP 158.66 ECC 1.1758
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 16 43 944.70 18.33 327.56 13.66 111.97 9 32 28 344.7 21.15 320.03
 90.00 11 14 15 5849.88 26.01 280.11 16.16 101.60 12 51 44 5249.9 27.35 271.70
 100.00 9 57 13 813.83 15.57 316.68 12.38 115.85 10 10 47 213.8 18.92 309.49
 100.00 13 16 26 5455.99 28.99 251.69 16.73 97.62 14 47 22 4856.0 29.74 242.97
 110.00 10 5 57 786.40 11.03 312.00 9.78 122.56 10 19 3 186.4 15.24 305.43
 110.00 15 24 11 5056.18 34.18 221.77 17.17 90.53 16 48 27 4456.2 33.87 212.54

DIFFERENTIAL CORRECTIONS

TDE-1.6520 TRA -.1721 TC3-5.4125 BAU .7729
 RDE .1586 RRA .0114 RC3 -.0324 FAU .09686
 FDE-2.7777 FRA .6181 FC3-7.8504 BSP 13929
 BDE 1.6596 BRA .1725 BC3 5.4126 FSP -1892

MID-COURSE EXECUTION ACCURACY

SGT 4584.8 SGR 279.7 SG3 620.3
 RRT -.5755 RRF -.6064 RTF .9674
 SGB 4593.3 R23 .0590 R13 -.9675
 SG1 4587.6 SG2 228.6 THA 177.98

ORBIT DETERMINATION ACCURACY

ST 2899.9 SR 278.1 SS 1790.9
 CRT -.9992 CRS .9945 CST -.9939
 LSA 3415.6 MSA 168.2 SSA 10.6
 EL1 2913.2 EL2 11.2 ALF 174.53

LAUNCH DATE JUN 15 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 469.406

RL 151.96 LAL - .00 LOL 263.23 VL 26.662 GAL .27 AZL 93.90 HCA 217.18 SMA 128.11 ECC .18616 INC 3.9029 V1 29.319
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.861 GAP 5.44 AZP 86.89 TAL 178.84 TAP 36.02 RCA 104.26 APO 151.96 V2 35.255
 RC 123.648 GL -33.71 GP 5.74 ZAL 90.70 ZAP 145.74 ETS 9.21 ZAE 134.40 ETE 173.95 ZAC 108.88 ETC 17.91 CLP-146.17

PLANETOCENTRIC CONIC

C3 10.690 VHL 3.270 DLA -27.74 RAL 158.67 RAD 6567.4 VEL 11.493 PTH 2.00 VHP 4.393 DPA 18.41 RAP 159.48 ECC 1.1759
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 34 28 917.15 19.02 325.84 16.27 111.38 9 49 45 317.1 21.76 318.24
 90.00 11 15 6 5877.77 25.61 282.05 18.44 102.50 12 53 4 5277.8 27.08 273.69
 100.00 10 11 3 798.90 16.01 315.79 14.90 115.59 10 24 22 198.9 19.32 308.56
 100.00 13 21 12 5471.25 28.85 252.80 19.11 98.18 14 52 24 4871.2 29.68 244.10
 110.00 10 17 44 777.89 11.34 311.53 12.23 122.47 10 30 42 177.9 15.54 304.95
 110.00 15 31 0 5065.03 34.17 222.46 19.60 90.93 16 55 25 4465.0 33.92 213.22

DIFFERENTIAL CORRECTIONS

TDE-1.7365 TRA -.0822 TC3-5.5694 BAU .7961
 RDE .1566 RRA .0166 RC3 -.0847 FAU .08991
 FDE-2.6953 FRA .7094 FC3-7.2814 BSP 14766
 BDE 1.7435 BRA .0839 BC3 5.5701 FSP -1896

MID-COURSE EXECUTION ACCURACY

SGT 4748.7 SGR 281.9 SG3 592.0
 RRT -.4771 RRF -.5106 RTF .9676
 SGB 4757.0 R23 .0542 R13 -.9677
 SG1 4750.6 SG2 247.6 THA 178.37

ORBIT DETERMINATION ACCURACY

ST 3045.4 SR 274.6 SS 1800.5
 CRT -.9989 CRS .9916 CST -.9945
 LSA 3544.7 MSA 163.3 SSA 11.7
 EL1 3057.7 EL2 12.7 ALF 174.85

LAUNCH DATE JUN 15 1967

FLIGHT TIME 168.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 475.462

RL 151.96 LAL - .00 LOL 263.23 VL 26.631 GAL .51 AZL 93.84 HCA 220.43 SMA 127.91 ECC .18821 INC 3.8445 V1 29.319
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.841 GAP 5.79 AZP 87.07 TAL 177.78 TAP 38.21 RCA 103.84 APO 151.98 V2 35.257
 RC 125.861 GL -32.99 GP 5.16 ZAL 88.67 ZAP 147.80 ETS 8.90 ZAE 133.52 ETE 174.84 ZAC 107.87 ETC 17.41 CLP-148.17

PLANETOCENTRIC CONIC

C3 10.753 VHL 3.279 DLA -27.99 RAL 161.09 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 4.548 DPA 17.42 RAP 160.47 ECC 1.1770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 56 56 876.38 20.02 323.26 19.15 110.46 10 11 32 276.4 22.62 315.56
 90.00 11 11 54 632.87 24.95 307.13 20.80 103.85 11 22 27 32.9 26.61 298.85
 100.00 10 26 32 780.66 16.54 314.70 17.61 115.26 10 39 32 180.7 19.81 307.43
 100.00 13 24 59 5491.87 28.64 254.30 21.64 98.95 14 56 31 4891.9 29.58 245.62
 110.00 10 30 28 768.30 11.69 311.01 14.86 122.35 10 43 16 168.3 15.88 304.41
 110.00 15 37 32 5076.99 34.15 223.39 22.23 91.49 17 2 9 4477.0 33.98 214.15

DIFFERENTIAL CORRECTIONS

TDE-1.8003 TRA .0094 TC3-5.7061 BAU .8205
 RDE .1552 RRA .0223 RC3 -.1259 FAU .08373
 FDE-2.5465 FRA .7844 FC3-6.7413 BSP 15243
 BDE 1.8070 BRA .0242 BC3 5.7074 FSP -1792

MID-COURSE EXECUTION ACCURACY

SGT 4888.7 SGR 286.9 SG3 558.3
 RRT -.3872 RRF -.4169 RTF .9677
 SGB 4897.1 R23 .0446 R13 -.9678
 SG1 4889.9 SG2 264.4 THA 178.69

ORBIT DETERMINATION ACCURACY

ST 3147.6 SR 271.5 SS 1758.9
 CRT -.9977 CRS .9876 CST -.9947
 LSA 3612.4 MSA 158.6 SSA 12.8
 EL1 3159.3 EL2 18.3 ALF 175.08

LAUNCH DATE JUN 15 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 481.499

RL 151.96 LAL - .00 LOL 263.23 VL 26.599 GAL .78 AZL 93.79 HCA 223.68 SMA 127.70 ECC .19041 INC 3.7934 V1 29.319
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.820 GAP 6.15 AZP 87.25 TAL 176.69 TAP 40.37 RCA 103.39 APO 152.02 V2 35.258
 RC 128.066 GL -32.26 GP 4.67 ZAL 86.56 ZAP 149.73 ETS 8.62 ZAE 132.71 ETE 175.56 ZAC 106.71 ETC 16.95 CLP-150.06

PLANETOCENTRIC CONIC

C3 10.868 VHL 3.297 DLA -28.28 RAL 163.58 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 4.709 DPA 16.46 RAP 161.59 ECC 1.1789
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 10 32 22 795.75 21.85 318.05 22.50 108.48 10 45 37 195.7 24.17 310.15
 90.00 10 56 23 717.89 23.43 312.90 23.04 106.37 11 8 20 117.9 25.46 304.81
 100.00 10 43 31 759.60 17.15 313.43 20.52 114.87 10 56 11 159.6 20.36 306.10
 100.00 13 27 54 5517.31 28.36 256.14 24.31 99.87 14 59 51 4917.3 29.43 247.50
 110.00 10 43 58 758.23 12.06 310.46 17.65 122.23 10 56 36 158.2 16.23 303.84
 110.00 15 43 57 5091.44 34.12 224.52 25.02 92.15 17 8 49 4491.4 34.05 215.28

DIFFERENTIAL CORRECTIONS

TDE-1.8616 TRA .1146 TC3-5.7952 BAU .8424
 RDE .1561 RRA .0279 RC3 -.1586 FAU .07772
 FDE-2.4029 FRA .8631 FC3-6.1908 BSP 15660
 BDE 1.8681 BRA .1179 BC3 5.7974 FSP -1691

MID-COURSE EXECUTION ACCURACY

SGT 5011.9 SGR 296.0 SG3 525.6
 RRT -.3142 RRF -.3404 RTF .9674
 SGB 5020.6 R23 .0374 R13 -.9674
 SG1 5012.7 SG2 280.9 THA 178.93

ORBIT DETERMINATION ACCURACY

ST 3238.1 SR 271.9 SS 1712.4
 CRT -.9956 CRS .9826 CST -.9949
 LSA 3669.8 MSA 155.1 SSA 13.8
 EL1 3249.4 EL2 25.5 ALF 175.22

LAUNCH DATE JUN 15 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 487.514

RL 151.96 LAL - .00 LOL 263.23 VL 26.566 GAL 1.06 AZL 93.75 HCA 226.93 SMA 127.49 ECC .19276 INC 3.7480 V1 29.319
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.798 GAP 6.50 AZP 87.44 TAL 175.57 TAP 42.50 RCA 102.91 APO 152.06 V2 35.259
 RC 130.261 GL -31.51 GP 4.26 ZAL 84.37 ZAP 151.55 ETS 8.39 ZAE 131.98 ETE 176.16 ZAC 105.42 ETC 16.51 CLP-151.85

PLANETOCENTRIC CONIC

C3 11.039 VHL 3.323 DLA -28.59 RAL 166.16 RAD 6567.4 VEL 11.508 PTH 2.00 VHP 4.875 DPA 15.53 RAP 162.84 ECC 1.1817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.90 10 20 16 871.32 22.80 323.92 25.65 107.73 10 34 47 271.3 25.01 315.93
 94.10 11 29 0 648.70 22.81 307.63 25.65 107.71 11 39 49 48.7 25.02 299.63
 100.00 11 1 56 736.05 17.82 312.00 23.60 114.41 11 14 12 136.1 20.96 304.62
 100.00 13 30 1 5547.24 27.99 258.29 27.12 100.95 15 2 29 4947.2 29.21 249.70
 110.00 10 58 3 748.25 12.42 309.92 20.60 122.11 11 10 31 148.3 16.57 303.27
 110.00 15 50 24 5107.80 34.07 225.80 27.98 92.91 17 15 31 4507.8 34.10 216.55

DIFFERENTIAL CORRECTIONS

TDE-1.9229 TRA .2286 TC3-5.8418 BAU .8626
 RDE .1593 RRA .0335 RC3 -.1832 FAU .07205
 FDE-2.2704 FRA .9337 FC3-5.6505 BSP 16021
 BDE 1.9295 BRA .2311 BC3 5.8446 FSP -1593

MID-COURSE EXECUTION ACCURACY

SGT 5125.1 SGR 307.5 SG3 494.7
 RRT -.2593 RRF -.2826 RTF .9671
 SGB 5134.3 R23 .0321 R13 -.9671
 SG1 5125.7 SG2 297.0 THA 179.11

ORBIT DETERMINATION ACCURACY

ST 3320.8 SR 275.4 SS 1665.8
 CRT -.9925 CRS .9769 CST -.9951
 LSA 3722.2 MSA 151.7 SSA 14.8
 EL1 3332.0 EL2 33.5 ALF 175.29

LAUNCH DATE JUN 15 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 493.508

RL 151.96 LAL -.00 LOL 263.23 VL 26.533 GAL 1.35 AZL 93.71 HCA 230.17 SMA 127.27 ECC .19529 INC 3.7071 V1 29.319
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.774 GAP 6.87 AZP 87.62 TAL 174.43 TAP 44.61 RCA 102.42 APO 152.13 V2 35.259
 RC 132.447 GL -30.73 GP 3.91 ZAL 82.11 ZAP 153.27 ETS 8.19 ZAE 131.32 ETE 176.66 ZAC 104.02 ETC 16.11 CLP-153.53

PLANETOCENTRIC CONIC

C3 11.267 VHL 3.357 DLA -28.89 RAL 168.80 RAD 6567.4 VEL 11.518 PTH 2.01 VHP 5.045 DPA 14.62 RAP 164.20 ECC 1.1854
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.00 10 15 16 925.76 22.95 327.98 28.67 108.05 10 30 42 325.8 25.20 319.98
 96.00 11 55 6 602.70 22.96 304.30 28.68 108.04 12 5 9 2.7 25.21 296.31
 100.00 11 21 43 710.11 18.54 310.41 26.87 113.88 11 33 33 110.1 21.61 302.96
 100.00 13 31 20 5581.63 27.52 260.74 30.04 102.15 15 4 22 4981.6 28.92 252.21
 110.00 11 12 34 738.91 12.75 309.40 23.69 121.99 11 24 53 138.9 16.89 302.73
 110.00 15 56 59 5125.59 34.00 227.18 31.09 93.72 17 22 24 4525.6 34.15 217.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9861 TRA .3510 TC3-5.8569 BAU .8828 SGT 5236.6 SGR 320.3 SG3 466.7 ST 3398.4 SR 281.5 SS 1620.9
 RDE .1644 RRA .0390 RC3 -.2004 FAU .06693 RRT -.2206 RRF -.2413 RTF .9669 CRT -.9888 CRS .9707 CST -.9953
 FDE-2.1508 FRA .9976 FC3-5.1424 BSP 16398 SGB 5246.4 R23 .0279 R13 -.9670 LSA 3772.7 MSA 148.9 SSA 15.6
 BDE 1.9929 BRA .3532 BC3 5.8604 FSP -1506 SG1 5237.1 SG2 312.4 THA 179.22 EL1 3409.8 EL2 41.9 ALF 175.32

LAUNCH DATE JUN 15 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 499.478

RL 151.96 LAL -.00 LOL 263.23 VL 26.500 GAL 1.65 AZL 93.67 HCA 233.42 SMA 127.06 ECC .19800 INC 3.6700 V1 29.319
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.750 GAP 7.23 AZP 87.81 TAL 173.27 TAP 46.69 RCA 101.90 APO 152.21 V2 35.258
 RC 134.624 GL -29.92 GP 3.61 ZAL 79.80 ZAP 154.90 ETS 8.02 ZAE 130.72 ETE 177.08 ZAC 102.52 ETC 15.73 CLP-155.14

PLANETOCENTRIC CONIC

C3 11.558 VHL 3.400 DLA -29.19 RAL 171.51 RAD 6567.4 VEL 11.530 PTH 2.01 VHP 5.221 DPA 13.72 RAP 165.64 ECC 1.1902
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.60 10 14 47 967.38 23.06 331.08 31.83 108.41 10 30 54 367.4 25.36 323.10
 97.40 12 17 12 5859.69 23.08 279.96 31.84 108.39 13 54 51 5259.7 25.38 271.97
 100.00 11 42 59 681.41 19.32 308.64 30.31 113.26 11 54 21 81.4 22.30 301.11
 100.00 13 31 40 5620.89 26.93 263.50 33.05 103.50 15 5 21 5020.9 28.52 255.06
 110.00 11 27 20 730.70 13.05 308.95 26.90 121.88 11 39 31 130.7 17.17 302.26
 110.00 16 3 49 5144.36 33.91 228.64 34.34 94.58 17 29 33 4544.4 34.17 219.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0495 TRA .4818 TC3-5.8313 BAU .9016 SGT 5340.1 SGR 333.4 SG3 440.3 ST 3467.5 SR 289.6 SS 1575.9
 RDE .1711 RRA .0444 RC3 -.2113 FAU .06210 RRT -.1949 RRF -.2137 RTF .9668 CRT -.9845 CRS .9643 CST -.9955
 FDE-2.0404 FRA 1.0543 FC3-4.6518 BSP 16771 SGB 5350.5 R23 .0251 R13 -.9669 LSA 3816.9 MSA 146.4 SSA 16.4
 BDE 2.0567 BRA .4839 BC3 5.8352 FSP -1428 SG1 5340.5 SG2 327.0 THA 179.30 EL1 3479.2 EL2 50.7 ALF 175.30

LAUNCH DATE JUN 15 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 505.425

RL 151.96 LAL -.00 LOL 263.23 VL 26.466 GAL 1.98 AZL 93.64 HCA 236.67 SMA 126.84 ECC .20089 INC 3.6359 V1 29.319
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.725 GAP 7.60 AZP 88.00 TAL 172.09 TAP 48.76 RCA 101.36 APO 152.32 V2 35.256
 RC 136.791 GL -29.07 GP 3.35 ZAL 77.45 ZAP 156.44 ETS 7.89 ZAE 130.18 ETE 177.43 ZAC 100.94 ETC 15.38 CLP-156.67

PLANETOCENTRIC CONIC

C3 11.915 VHL 3.452 DLA -29.47 RAL 174.27 RAD 6567.5 VEL 11.546 PTH 2.02 VHP 5.402 DPA 12.81 RAP 167.16 ECC 1.1961
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.48 10 16 59 1002.03 23.14 333.67 35.12 108.78 10 33 41 402.0 25.49 325.69
 98.52 12 37 1 5837.79 23.15 278.37 35.12 108.76 14 14 18 5237.8 25.50 270.39
 100.00 12 6 8 648.64 20.19 306.59 33.92 112.53 12 16 56 48.6 23.07 298.98
 100.00 13 30 33 5666.40 26.17 266.67 36.13 105.00 15 5 0 5066.4 27.97 258.33
 110.00 11 42 10 724.11 13.29 308.59 30.23 121.79 11 54 15 124.1 17.39 301.88
 110.00 16 11 0 5163.70 33.80 230.14 37.72 95.46 17 37 3 4563.7 34.18 220.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1115 TRA .6241 TC3-5.7673 BAU .9193 SGT 5436.2 SGR 346.3 SG3 415.6 ST 3525.0 SR 299.3 SS 1529.3
 RDE .1795 RRA .0493 RC3 -.2167 FAU .05759 RRT -.1789 RRF -.1960 RTF .9667 CRT -.9797 CRS .9576 CST -.9956
 FDE-1.9361 FRA 1.1090 FC3-4.1842 BSP 17092 SGB 5447.2 R23 .0228 R13 -.9667 LSA 3851.3 MSA 145.0 SSA 17.1
 BDE 2.1191 BRA .6261 BC3 5.7714 FSP -1351 SG1 5436.6 SG2 340.7 THA 179.34 EL1 3537.1 EL2 59.8 ALF 175.24

LAUNCH DATE JUN 15 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 511.348

RL 151.96 LAL -.00 LOL 263.23 VL 26.431 GAL 2.32 AZL 93.60 HCA 239.92 SMA 126.62 ECC .20399 INC 3.6042 V1 29.319
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.698 GAP 7.97 AZP 88.19 TAL 170.88 TAP 50.80 RCA 100.79 APO 152.45 V2 35.254
 RC 138.949 GL -28.20 GP 3.12 ZAL 75.07 ZAP 157.92 ETS 7.80 ZAE 129.69 ETE 177.73 ZAC 99.27 ETC 15.05 CLP-158.13

PLANETOCENTRIC CONIC

C3 12.346 VHL 3.514 DLA -29.72 RAL 177.07 RAD 6567.5 VEL 11.564 PTH 2.02 VHP 5.588 DPA 11.91 RAP 168.76 ECC 1.2032
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.57 10 21 9 1031.99 23.16 335.90 38.52 109.16 10 38 21 432.0 25.56 327.94
 99.43 12 55 12 5822.84 23.17 277.27 38.52 109.15 14 32 15 5222.8 25.57 269.31
 100.00 12 32 37 606.95 21.25 303.95 37.75 111.53 12 42 44 7.0 23.99 296.22
 100.00 13 26 24 5723.11 25.11 270.55 39.21 106.78 15 1 47 5123.1 27.17 262.35
 110.00 11 56 55 719.63 13.45 308.34 33.66 121.73 12 8 54 119.6 17.55 301.62
 110.00 16 18 36 5183.19 33.66 231.64 41.21 96.34 17 45 0 4583.2 34.17 222.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1708 TRA .7781 TC3-5.6584 BAU .9346 SGT 5520.6 SGR 358.7 SG3 392.2 ST 3568.9 SR 310.1 SS 1480.7
 RDE .1892 RRA .0537 RC3 -.2173 FAU .05323 RRT -.1706 RRF -.1865 RTF .9664 CRT -.9745 CRS .9507 CST -.9958
 FDE-1.8367 FRA 1.1613 FC3-3.7328 BSP 17353 SGB 5532.2 R23 .0213 R13 -.9664 LSA 3873.5 MSA 144.6 SSA 17.6
 BDE 2.1791 BRA .7799 BC3 5.6626 FSP -1275 SG1 5520.9 SG2 353.5 THA 179.36 EL1 3581.7 EL2 69.3 ALF 175.16

LAUNCH DATE JUN 15 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 517.243

RL 151.96 LAL -.00 LOL 263.23 VL 26.397 GAL 2.67 AZL 93.57 HCA 243.16 SMA 126.40 ECC .20730 INC 3.5745 V1 29.319
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.671 GAP 8.35 AZP 88.38 TAL 169.67 TAP 52.83 RCA 100.19 APO 152.60 V2 35.251
 RC 141.095 GL -27.29 GP 2.92 ZAL 72.67 ZAP 159.33 ETS 7.73 ZAE 129.24 ETE 177.98 ZAC 97.54 ETC 14.74 CLP-159.53

PLANETOCENTRIC CONIC

C3 12.858 VHL 3.586 OLA -29.94 RAL 179.90 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 5.781 DPA 11.00 RAP 170.41 ECC 1.2116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.85 10 26 54 1058.31 23.13 337.84 42.01 109.56 10 44 33 458.3 25.58 329.90
 100.15 13 12 0 5813.87 23.14 276.59 42.02 109.55 14 48 54 5213.9 25.59 268.65
 79.85 10 26 54 1058.31 23.13 337.84 42.01 109.56 10 44 33 458.3 25.58 329.90
 100.15 13 12 0 5813.87 23.14 276.59 42.02 109.55 14 48 54 5213.9 25.59 268.65
 110.00 12 11 21 717.71 13.52 308.23 37.16 121.70 12 23 19 117.7 17.61 301.51
 110.00 16 26 44 5202.47 33.51 233.13 44.81 97.21 17 53 26 4602.5 34.14 223.94

DIFFERENTIAL CORRECTIONS

TDE-2.2316 TRA .9406 TC3-5.5245 BAU .9504
 RDE .2004 RRA .0576 RC3 -.2135 FAU .04930
 FDE-1.7468 FRA 1.2083 FC3-3.3194 BSP 17656
 BDE 2.2405 BRA .9424 BC3 5.5286 FSP -1211

MID-COURSE EXECUTION ACCURACY

SGT 5605.3 SGR 370.5 SG3 370.8
 RRT -.1691 RRF -.1842 RTF .9663
 SGB 5617.5 R23 .0203 R13 -.9664
 SG1 5605.7 SG2 365.2 THA 179.36

ORBIT DETERMINATION ACCURACY

ST 3605.4 SR 321.9 SS 1434.0
 CRT -.9693 CRS .9439 CST -.9959
 LSA 3890.7 MSA 144.9 SSA 18.0
 EL1 3618.9 EL2 78.9 ALF 175.05

LAUNCH DATE JUN 15 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 523.110

RL 151.96 LAL -.00 LOL 263.23 VL 26.362 GAL 3.05 AZL 93.55 HCA 246.41 SMA 126.18 ECC .21085 INC 3.5465 V1 29.319
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.643 GAP 8.74 AZP 88.58 TAL 168.43 TAP 54.84 RCA 99.57 APO 152.78 V2 35.247
 RC 143.232 GL -26.35 GP 2.74 ZAL 70.26 ZAP 160.68 ETS 7.70 ZAE 128.84 ETE 178.19 ZAC 95.75 ETC 14.46 CLP-160.87

PLANETOCENTRIC CONIC

C3 13.459 VHL 3.669 OLA -30.12 RAL 182.74 RAD 6567.5 VEL 11.612 PTH 2.03 VHP 5.981 DPA 10.08 RAP 172.11 ECC 1.2215
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.29 10 34 2 1081.60 23.03 339.54 45.60 109.96 10 52 4 481.6 25.54 331.62
 100.71 13 27 33 5810.36 23.04 276.29 45.60 109.95 15 4 23 5210.4 25.55 268.37
 79.29 10 34 2 1081.60 23.03 339.54 45.60 109.96 10 52 4 481.6 25.54 331.62
 100.71 13 27 33 5810.36 23.04 276.29 45.60 109.95 15 4 23 5210.4 25.55 268.37
 110.00 12 25 21 718.75 13.48 308.29 40.73 121.71 12 37 20 118.8 17.58 301.57
 110.00 16 35 25 5221.20 33.34 234.56 48.51 98.04 18 2 26 4621.2 34.09 225.40

DIFFERENTIAL CORRECTIONS

TDE-2.2911 TRA 1.1134 TC3-5.3598 BAU .9651
 RDE .2130 RRA .0608 RC3 -.2061 FAU .04564
 FDE-1.6627 FRA 1.2516 FC3-2.9354 BSP 17949
 BDE 2.3010 BRA 1.1151 BC3 5.3638 FSP -1151

MID-COURSE EXECUTION ACCURACY

SGT 5684.2 SGR 381.5 SG3 350.8
 RRT -.1728 RRF -.1872 RTF .9663
 SGB 5697.0 R23 .0198 R13 -.9664
 SG1 5684.6 SG2 375.8 THA 179.33

ORBIT DETERMINATION ACCURACY

ST 3630.5 SR 334.3 SS 1387.2
 CRT -.9639 CRS .9373 CST -.9961
 LSA 3898.1 MSA 146.2 SSA 18.2
 EL1 3644.8 EL2 88.7 ALF 174.93

LAUNCH DATE JUN 15 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 528.946

RL 151.96 LAL -.00 LOL 263.23 VL 26.326 GAL 3.44 AZL 93.52 HCA 249.65 SMA 125.95 ECC .21465 INC 3.5199 V1 29.319
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.614 GAP 9.14 AZP 88.78 TAL 167.19 TAP 56.84 RCA 98.92 APO 152.99 V2 35.243
 RC 145.356 GL -25.39 GP 2.58 ZAL 67.86 ZAP 161.98 ETS 7.72 ZAE 128.47 ETE 178.37 ZAC 93.90 ETC 14.20 CLP-162.16

PLANETOCENTRIC CONIC

C3 14.161 VHL 3.763 OLA -30.25 RAL 185.58 RAD 6567.6 VEL 11.642 PTH 2.04 VHP 6.188 DPA 9.16 RAP 173.86 ECC 1.2330
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.89 10 42 19 1102.46 22.87 341.03 49.25 110.36 11 0 41 502.5 25.43 333.14
 101.11 13 41 56 5811.75 22.88 276.33 49.25 110.35 15 18 48 5211.8 25.44 268.44
 78.89 10 42 19 1102.46 22.87 341.03 49.25 110.36 11 0 41 502.5 25.43 333.14
 101.11 13 41 56 5811.75 22.88 276.33 49.25 110.35 15 18 48 5211.8 25.44 268.44
 110.00 12 38 44 723.08 13.32 308.53 44.34 121.77 12 50 47 123.1 17.43 301.82
 110.00 16 44 42 5239.12 33.16 235.93 52.28 98.83 18 12 1 4639.1 34.02 226.80

DIFFERENTIAL CORRECTIONS

TDE-2.3481 TRA 1.2978 TC3-5.1650 BAU .9785
 RDE .2268 RRA .0632 RC3 -.1960 FAU .04216
 FDE-1.5823 FRA 1.2927 FC3-2.5775 BSP 18216
 BDE 2.3590 BRA 1.2993 BC3 5.1687 FSP -1095

MID-COURSE EXECUTION ACCURACY

SGT 5755.4 SGR 391.7 SG3 331.9
 RRT -.1802 RRF -.1940 RTF .9663
 SGB 5768.7 R23 .0194 R13 -.9663
 SG1 5755.8 SG2 385.2 THA 179.29

ORBIT DETERMINATION ACCURACY

ST 3642.3 SR 347.0 SS 1339.2
 CRT -.9584 CRS .9306 CST -.9962
 LSA 3893.3 MSA 148.6 SSA 18.2
 EL1 3657.4 EL2 98.7 ALF 174.78

LAUNCH DATE JUN 15 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 534.750

RL 151.96 LAL -.00 LOL 263.23 VL 26.291 GAL 3.86 AZL 93.49 HCA 252.90 SMA 125.73 ECC .21872 INC 3.4944 V1 29.319
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.584 GAP 9.54 AZP 88.97 TAL 165.93 TAP 58.83 RCA 98.23 APO 153.23 V2 35.237
 RC 147.469 GL -24.40 GP 2.44 ZAL 65.47 ZAP 163.24 ETS 7.77 ZAE 128.13 ETE 178.53 ZAC 92.01 ETC 13.96 CLP-163.41

PLANETOCENTRIC CONIC

C3 14.974 VHL 3.870 OLA -30.34 RAL 188.41 RAD 6567.6 VEL 11.677 PTH 2.05 VHP 6.403 DPA 8.23 RAP 175.65 ECC 1.2464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.63 10 51 42 1120.88 22.64 342.31 52.96 110.76 11 10 23 520.9 25.25 334.46
 101.37 13 55 7 5818.12 22.64 276.71 52.96 110.75 15 32 5 5218.1 25.26 268.85
 78.63 10 51 42 1120.88 22.64 342.31 52.96 110.76 11 10 23 520.9 25.25 334.46
 101.37 13 55 7 5818.12 22.64 276.71 52.96 110.75 15 32 5 5218.1 25.26 268.85
 110.00 12 51 22 730.97 13.04 308.96 47.98 121.88 13 3 33 131.0 17.16 302.28
 110.00 16 54 37 5256.03 32.97 237.22 56.12 99.57 18 22 13 4656.0 33.94 228.11

DIFFERENTIAL CORRECTIONS

TDE-2.3998 TRA 1.4978 TC3-4.9367 BAU .9889
 RDE .2418 RRA .0646 RC3 -.1838 FAU .03876
 FDE-1.5035 FRA 1.3356 FC3-2.2410 BSP 18375
 BDE 2.4120 BRA 1.4992 BC3 4.9401 FSP -1035

MID-COURSE EXECUTION ACCURACY

SGT 5816.1 SGR 400.9 SG3 314.1
 RRT -.1902 RRF -.2032 RTF .9661
 SGB 5829.9 R23 .0189 R13 -.9661
 SG1 5816.6 SG2 393.5 THA 179.25

ORBIT DETERMINATION ACCURACY

ST 3637.9 SR 359.5 SS 1289.2
 CRT -.9525 CRS .9235 CST -.9963
 LSA 3873.2 MSA 152.5 SSA 18.1
 EL1 3654.0 EL2 109.0 ALF 174.62

LAUNCH DATE JUN 15 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 540.519

RL 151.96 LAL -.00 LOL 263.23 VL 26.256 GAL 4.30 AZL 93.47 HCA 256.14 SMA 125.51 ECC .22308 INC 3.4697 V1 29.319
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.554 GAP 9.96 AZP 89.17 TAL 164.67 TAP 60.81 RCA 97.51 APO 153.51 V2 35.231
 RC 149.570 GL -23.41 GP 2.32 ZAL 63.11 ZAP 164.45 ETS 7.88 ZAE 127.82 ETE 178.66 ZAC 90.07 ETC 13.75 CLP-164.62

PLANETOCENTRIC CONIC

C3 15.911 VHL 3.989 DLA -30.38 RAL 191.21 RAD 6567.6 VEL 11.717 PTH 2.06 VHP 6.627 DPA 7.29 RAP 177.47 ECC 1.2619
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.51 11 1 59 1137.35 22.33 343.41 56.71 111.15 11 20 56 537.4 25.00 335.60
 101.49 14 7 9 5829.02 22.34 277.40 56.71 111.14 15 44 18 5229.0 25.01 269.58
 78.51 11 1 59 1137.35 22.33 343.41 56.71 111.15 11 20 56 537.4 25.00 335.60
 101.49 14 7 9 5829.02 22.34 277.40 56.71 111.14 15 44 18 5229.0 25.01 269.58
 110.00 13 3 9 742.58 12.62 309.60 51.62 122.03 13 15 32 142.6 16.76 302.94
 110.00 17 5 10 5271.79 32.79 238.41 60.02 100.26 18 33 1 4671.8 33.86 229.33

DIFFERENTIAL CORRECTIONS

TDE-2.4531 TRA 1.7059 TC3-4.6981 BAU 1.0000
 RDE .2580 RRA .0652 RC3 -.1698 FAU .03570
 FDE-1.4326 FRA 1.3732 FC3-1.9427 BSP 18620
 BDE 2.4666 BRA 1.7072 BC3 4.7012 FSP -986

MID-COURSE EXECUTION ACCURACY

SGT 5876.3 SGR 409.2 SG3 297.6
 RRT -.2036 RRF -.2160 RTF .9661
 SGB 5890.5 R23 .0187 R13 -.9661
 SG1 5876.9 SG2 400.6 THA 179.18

ORBIT DETERMINATION ACCURACY

ST 3626.9 SR 372.0 SS 1242.2
 CRT -.9468 CRS .9169 CST -.9964
 LSA 3848.4 MSA 156.8 SSA 17.8
 EL1 3643.9 EL2 119.1 ALF 174.45

LAUNCH DATE JUN 15 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 546.248

RL 151.96 LAL -.00 LOL 263.23 VL 26.220 GAL 4.76 AZL 93.45 HCA 259.38 SMA 125.29 ECC .22776 INC 3.4458 V1 29.319
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.523 GAP 10.39 AZP 89.36 TAL 163.40 TAP 62.78 RCA 96.75 APO 153.82 V2 35.225
 RC 151.657 GL -22.40 GP 2.21 ZAL 60.78 ZAP 165.63 ETS 8.04 ZAE 127.54 ETE 178.77 ZAC 88.09 ETC 13.55 CLP-165.80

PLANETOCENTRIC CONIC

C3 16.990 VHL 4.122 DLA -30.37 RAL 193.96 RAD 6567.7 VEL 11.763 PTH 2.08 VHP 6.860 DPA 6.34 RAP 179.32 ECC 1.2796
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.54 11 13 9 1151.81 21.95 344.34 60.49 111.53 11 32 20 551.8 24.68 336.56
 101.46 14 17 59 5844.55 21.96 278.40 60.49 111.52 15 55 23 5244.5 24.69 270.62
 78.54 11 13 9 1151.81 21.95 344.34 60.49 111.53 11 32 20 551.8 24.68 336.56
 101.46 14 17 59 5844.55 21.96 278.40 60.49 111.52 15 55 23 5244.5 24.69 270.62
 110.00 13 14 1 757.98 12.06 310.45 55.26 122.23 13 26 39 158.0 16.23 303.82
 110.00 17 16 17 5286.38 32.61 239.51 63.97 100.88 18 44 23 4686.4 33.76 230.46

DIFFERENTIAL CORRECTIONS

TDE-2.5043 TRA 1.9271 TC3-4.4434 BAU 1.0099
 RDE .2753 RRA .0646 RC3 -.1548 FAU .03283
 FDE-1.3657 FRA 1.4099 FC3-1.6728 BSP 18848
 BDE 2.5194 BRA 1.9282 BC3 4.4461 FSP -941

MID-COURSE EXECUTION ACCURACY

SGT 5930.9 SGR 416.6 SG3 282.2
 RRT -.2192 RRF -.2308 RTF .9661
 SGB 5945.5 R23 .0185 R13 -.9661
 SG1 5931.6 SG2 406.4 THA 179.11

ORBIT DETERMINATION ACCURACY

ST 3605.3 SR 383.9 SS 1195.8
 CRT -.9410 CRS .9102 CST -.9965
 LSA 3814.3 MSA 161.9 SSA 17.5
 EL1 3623.4 EL2 129.3 ALF 174.27

LAUNCH DATE JUN 15 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 551.935

RL 151.96 LAL -.00 LOL 263.23 VL 26.184 GAL 5.25 AZL 93.42 HCA 262.63 SMA 125.07 ECC .23279 INC 3.4223 V1 29.319
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.491 GAP 10.84 AZP 89.56 TAL 162.12 TAP 64.75 RCA 95.95 APO 154.18 V2 35.217
 RC 153.730 GL -21.38 GP 2.11 ZAL 58.50 ZAP 166.78 ETS 8.28 ZAE 127.27 ETE 178.86 ZAC 86.09 ETC 13.38 CLP-166.95

PLANETOCENTRIC CONIC

C3 18.227 VHL 4.269 DLA -30.32 RAL 196.67 RAD 6567.7 VEL 11.816 PTH 2.09 VHP 7.105 DPA 5.39 RAP 181.20 ECC 1.3000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.70 11 25 6 1164.41 21.50 345.08 64.28 111.90 11 44 30 564.4 24.29 337.36
 101.30 14 27 35 5864.58 21.52 279.70 64.29 111.89 16 5 20 5264.6 24.30 271.98
 78.70 11 25 6 1164.41 21.50 345.08 64.28 111.90 11 44 30 564.4 24.29 337.36
 101.30 14 27 35 5864.58 21.52 279.70 64.29 111.89 16 5 20 5264.6 24.30 271.98
 110.00 13 23 57 777.12 11.37 311.49 58.87 122.46 13 36 54 177.1 15.57 304.91
 110.00 17 27 54 5299.86 32.43 240.52 67.95 101.46 18 56 14 4699.9 33.67 231.50

DIFFERENTIAL CORRECTIONS

TDE-2.5530 TRA 2.1622 TC3-4.1745 BAU 1.0178
 RDE .2936 RRA .0628 RC3 -.1393 FAU .03009
 FDE-1.3023 FRA 1.4460 FC3-1.4294 BSP 19040
 BDE 2.5698 BRA 2.1631 BC3 4.1768 FSP -896

MID-COURSE EXECUTION ACCURACY

SGT 5978.5 SGR 423.0 SG3 267.7
 RRT -.2364 RRF -.2472 RTF .9662
 SGB 5993.5 R23 .0183 R13 -.9662
 SG1 5979.3 SG2 411.0 THA 179.04

ORBIT DETERMINATION ACCURACY

ST 3573.1 SR 395.1 SS 1150.2
 CRT -.9350 CRS .9033 CST -.9966
 LSA 3770.7 MSA 167.7 SSA 17.1
 EL1 3592.2 EL2 139.4 ALF 174.09

LAUNCH DATE JUN 15 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 557.575

RL 151.96 LAL -.00 LOL 263.23 VL 26.149 GAL 5.76 AZL 93.40 HCA 265.87 SMA 124.85 ECC .23819 INC 3.3992 V1 29.319
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.459 GAP 11.31 AZP 89.75 TAL 160.84 TAP 66.71 RCA 95.11 APO 154.59 V2 35.210
 RC 155.789 GL -20.37 GP 2.02 ZAL 56.28 ZAP 167.90 ETS 8.60 ZAE 127.03 ETE 178.93 ZAC 84.05 ETC 13.24 CLP-168.06

PLANETOCENTRIC CONIC

C3 19.643 VHL 4.432 DLA -30.22 RAL 199.30 RAD 6567.8 VEL 11.875 PTH 2.11 VHP 7.362 DPA 4.44 RAP 183.10 ECC 1.3233
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.99 11 37 50 1174.98 20.99 345.65 68.09 112.25 11 57 25 575.0 23.82 337.97
 101.01 14 35 53 601.23 21.00 303.42 68.09 112.24 14 45 54 1.2 23.83 295.74
 78.99 11 37 50 1174.98 20.99 345.65 68.09 112.25 11 57 25 575.0 23.82 337.97
 101.01 14 35 53 601.23 21.00 303.42 68.09 112.24 14 45 54 1.2 23.83 295.74
 110.00 13 32 55 799.87 10.53 312.73 62.45 122.71 13 46 15 199.9 14.77 306.19
 110.00 17 39 58 5312.37 32.25 241.45 71.96 101.99 19 8 30 4712.4 33.57 232.47

DIFFERENTIAL CORRECTIONS

TDE-2.5962 TRA 2.4150 TC3-3.8906 BAU 1.0222
 RDE .3128 RRA .0597 RC3 -.1239 FAU .02738
 FDE-1.2404 FRA 1.4839 FC3-1.2069 BSP 19130
 BDE 2.6150 BRA 2.4158 BC3 3.8926 FSP -849

MID-COURSE EXECUTION ACCURACY

SGT 6017.6 SGR 428.4 SG3 254.0
 RRT -.2544 RRF -.2641 RTF .9661
 SGB 6032.8 R23 .0178 R13 -.9661
 SG1 6018.6 SG2 414.3 THA 178.96

ORBIT DETERMINATION ACCURACY

ST 3528.5 SR 405.3 SS 1104.6
 CRT -.9286 CRS .8958 CST -.9966
 LSA 3715.3 MSA 174.3 SSA 16.7
 EL1 3548.5 EL2 149.6 ALF 173.90

LAUNCH DATE JUN 15 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 563.163

RL 151.96 LAL -0.00 LOL 263.23 VL 26.113 GAL 6.30 AZL 93.38 HCA 269.10 SMA 124.63 ECC .24401 INC 3.3763 V1 29.319
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.426 GAP 11.79 AZP 89.95 TAL 159.57 TAP 68.67 RCA 94.22 APO 155.04 V2 35.201
 RC 157.834 GL -19.36 GP 1.94 ZAL 54.11 ZAP 168.99 ETS 9.03 ZAE 126.79 ETE 179.00 ZAC 82.00 ETC 13.11 CLP-169.16

PLANETOCENTRIC CONIC

C3 21.264 VHL 4.611 DLA -30.07 RAL 201.87 RAD 6567.9 VEL 11.943 PTH 2.13 VHP 7.632 DPA 3.48 RAP 185.02 ECC 1.3499
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.43 11 51 20 1183.48 20.40 346.02 71.88 112.59 12 11 3 583.5 23.28 338.40
 100.57 14 42 50 630.60 20.41 305.35 71.89 112.57 14 53 20 30.6 23.30 297.72
 79.43 11 51 20 1183.48 20.40 346.02 71.88 112.59 12 11 3 583.5 23.28 338.40
 100.57 14 42 50 630.60 20.41 305.35 71.89 112.57 14 53 20 30.6 23.30 297.72
 110.00 13 40 58 826.03 9.57 314.14 65.99 122.97 13 54 44 226.0 13.84 307.65
 110.00 17 52 21 5324.09 32.09 242.33 75.99 102.48 19 21 5 4724.1 33.47 233.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6421 TRA 2.6786 TC3-3.6111 BAU 1.0270 SGT 6054.7 SGR 433.0 SG3 241.3 ST 3481.1 SR 414.4 SS 1062.9
 RDE .3330 RRA .0552 RC3 -.1087 FAU .02495 RRT -.2744 RRF -.2832 RTF .9662 CRT -.9222 CRS .8888 CST -.9967
 FDE-1.1853 FRA 1.5190 FC3-1.0157 BSP 19309 SGB 6070.2 R23 .0174 R13 -.9663 LSA 3658.8 MSA 180.8 SSA 16.2
 BDE 2.6630 BRA 2.6792 BC3 3.6128 FSP -811 SG1 6055.9 SG2 416.3 THA 178.87 EL1 3502.1 EL2 159.3 ALF 173.72

LAUNCH DATE JUN 15 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 568.693

RL 151.96 LAL -0.00 LOL 263.23 VL 26.078 GAL 6.88 AZL 93.35 HCA 272.34 SMA 124.41 ECC .25029 INC 3.3535 V1 29.319
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.393 GAP 12.30 AZP 90.14 TAL 158.29 TAP 70.63 RCA 93.28 APO 155.55 V2 35.192
 RC 159.863 GL -18.36 GP 1.86 ZAL 52.01 ZAP 170.06 ETS 9.60 ZAE 126.57 ETE 179.05 ZAC 79.92 ETC 13.01 CLP-170.24

PLANETOCENTRIC CONIC

C3 23.117 VHL 4.808 DLA -29.89 RAL 204.35 RAD 6567.9 VEL 12.021 PTH 2.15 VHP 7.918 DPA 2.52 RAP 186.96 ECC 1.3804
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.01 12 5 38 1189.62 19.75 346.19 75.66 112.90 12 25 28 589.6 22.68 338.62
 99.99 14 48 18 664.94 19.77 307.61 75.67 112.89 14 59 23 64.9 22.69 300.04
 100.00 14 44 21 677.55 19.42 308.40 75.51 113.18 14 55 38 77.6 22.39 300.86
 100.00 14 52 16 652.24 20.09 306.82 75.81 112.61 15 3 9 52.2 22.98 299.21
 110.00 13 48 9 855.36 8.48 315.71 69.48 123.24 14 2 24 255.4 12.79 309.27
 110.00 18 4 58 5335.24 31.92 243.15 80.02 102.94 19 33 53 4735.2 33.37 234.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6868 TRA 2.9577 TC3-3.3310 BAU 1.0299 SGT 6085.9 SGR 436.7 SG3 229.4 ST 3427.6 SR 422.3 SS 1023.1
 RDE .3539 RRA .0493 RC3 -.0941 FAU .02263 RRT -.2954 RRF -.3030 RTF .9665 CRT -.9157 CRS .8816 CST -.9968
 FDE-1.1338 FRA 1.5539 FC3 -.8475 BSP 19470 SGB 6101.5 R23 .0169 R13 -.9665 LSA 3596.9 MSA 187.5 SSA 15.8
 BDE 2.7100 BRA 2.9581 BC3 3.3323 FSP -774 SG1 6087.3 SG2 417.1 THA 178.78 EL1 3449.4 EL2 168.6 ALF 173.55

LAUNCH DATE JUN 15 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 574.157

RL 151.96 LAL -0.00 LOL 263.23 VL 26.042 GAL 7.49 AZL 93.33 HCA 275.57 SMA 124.20 ECC .25706 INC 3.3305 V1 29.319
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.359 GAP 12.83 AZP 90.32 TAL 157.02 TAP 72.60 RCA 92.27 APO 156.13 V2 35.183
 RC 161.876 GL -17.37 GP 1.80 ZAL 49.97 ZAP 171.12 ETS 10.35 ZAE 126.35 ETE 179.09 ZAC 77.83 ETC 12.94 CLP-171.30

PLANETOCENTRIC CONIC

C3 25.237 VHL 5.024 DLA -29.67 RAL 206.74 RAD 6568.0 VEL 12.108 PTH 2.17 VHP 8.220 DPA 1.56 RAP 188.91 ECC 1.4153
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.76 12 20 53 1192.88 19.04 346.11 79.42 113.19 12 40 46 592.9 22.02 338.60
 99.24 14 52 7 704.70 19.06 310.25 79.43 113.18 15 3 52 104.7 22.03 302.73
 100.00 14 27 6 784.70 16.42 314.94 78.18 115.33 14 40 11 184.7 19.70 307.68
 100.00 15 28 35 5876.16 21.72 280.65 80.58 111.06 17 6 31 5276.2 24.39 272.87
 110.00 13 54 29 887.57 7.27 317.42 72.92 123.49 14 9 17 287.6 11.62 311.04
 110.00 18 17 42 5346.06 31.75 243.95 84.06 103.38 19 46 48 4746.1 33.26 235.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7300 TRA 3.2543 TC3-3.0523 BAU 1.0302 SGT 6111.2 SGR 439.4 SG3 218.3 ST 3368.3 SR 428.7 SS 985.5
 RDE .3756 RRA .0418 RC3 -.0804 FAU .02042 RRT -.3171 RRF -.3234 RTF .9668 CRT -.9089 CRS .8742 CST -.9969
 FDE-1.0856 FRA 1.5896 FC3 -.7005 BSP 19607 SGB 6127.0 R23 .0162 R13 -.9669 LSA 3530.3 MSA 194.1 SSA 15.3
 BDE 2.7558 BRA 3.2546 BC3 3.0533 FSP -739 SG1 6112.8 SG2 416.6 THA 178.69 EL1 3390.9 EL2 177.6 ALF 173.38

LAUNCH DATE JUN 15 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 579.547

RL 151.96 LAL -0.00 LOL 263.23 VL 26.007 GAL 8.14 AZL 93.31 HCA 278.81 SMA 123.99 ECC .26439 INC 3.3073 V1 29.319
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.325 GAP 13.39 AZP 90.51 TAL 155.77 TAP 74.57 RCA 91.21 APO 156.77 V2 35.172
 RC 163.875 GL -16.40 GP 1.74 ZAL 48.02 ZAP 172.15 ETS 11.36 ZAE 126.14 ETE 179.12 ZAC 75.73 ETC 12.89 CLP-172.35

PLANETOCENTRIC CONIC

C3 27.663 VHL 5.260 DLA -29.41 RAL 209.03 RAD 6568.1 VEL 12.208 PTH 2.19 VHP 8.542 DPA .60 RAP 190.87 ECC 1.4553
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.69 12 37 17 1192.43 18.28 345.73 83.15 113.46 12 57 10 592.4 21.29 338.27
 98.31 14 54 2 750.67 18.29 313.30 83.15 113.44 15 6 33 150.7 21.31 305.84
 100.00 14 22 7 852.92 14.39 318.99 81.26 116.48 14 36 20 252.9 17.83 311.89
 100.00 15 51 53 5853.46 22.27 279.19 84.86 110.48 17 29 27 5253.5 24.85 271.35
 110.00 14 0 4 922.38 5.96 319.26 76.30 123.72 14 15 26 322.4 10.35 312.92
 110.00 18 30 26 5356.76 31.58 244.74 88.08 103.82 19 59 42 4756.8 33.16 235.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7695 TRA 3.5727 TC3-2.7729 BAU 1.0258 SGT 6129.6 SGR 441.1 SG3 207.8 ST 3302.4 SR 433.5 SS 949.4
 RDE .3978 RRA .0326 RC3 -.0680 FAU .01821 RRT -.3390 RRF -.3437 RTF .9672 CRT -.9016 CRS .8662 CST -.9970
 FDE-1.0392 FRA 1.6280 FC3 -.5699 BSP 19634 SGB 6145.5 R23 .0152 R13 -.9672 LSA 3457.6 MSA 200.9 SSA 14.8
 BDE 2.7979 BRA 3.5729 BC3 2.7737 FSP -702 SG1 6131.4 SG2 414.8 THA 178.60 EL1 3325.6 EL2 186.2 ALF 173.23

LAUNCH DATE JUN 15 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 584.851

RL 151.96 LAL -.00 LOL 263.23 VL 25.972 GAL 8.83 AZL 93.28 HCA 282.04 SMA 123.78 ECC .27234 INC 3.2838 V1 29.319
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.291 GAP 13.99 AZP 90.69 TAL 154.52 TAP 76.56 RCA 90.07 APO 157.49 V2 35.162
 RC 165.860 GL -15.45 GP 1.68 ZAL 46.14 ZAP 173.18 ETS 12.73 ZAE 125.93 ETE 179.14 ZAC 73.62 ETC 12.87 CLP-173.39

PLANETOCENTRIC CONIC

C3 30.445 VHL 5.518 DLA -29.13 RAL 211.23 RAD 6568.2 VEL 12.321 PTH 2.22 VHP 8.884 DPA -.36 RAP 192.84 ECC 1.5010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.86 12 55 21 1186.49 17.46 344.92 86.84 113.69 13 15 8 586.5 20.52 337.52
 97.14 14 53 29 804.52 17.48 316.91 86.85 113.68 15 6 54 204.5 20.53 309.50
 100.00 14 19 6 914.93 12.48 322.60 84.38 117.38 14 34 21 314.9 16.05 315.63
 100.00 16 12 26 5839.35 22.60 278.27 89.04 110.10 17 49 45 5239.4 25.13 270.39
 110.00 14 4 56 959.51 4.55 321.22 79.63 123.92 14 20 56 359.5 8.97 314.92
 110.00 18 43 5 5367.54 31.40 245.53 92.09 104.26 20 12 32 4767.5 33.04 236.69

DIFFERENTIAL CORRECTIONS

TDE-2.8137 TRA 3.9059 TC3-2.5078 BAU 1.0210
 RDE .4206 RRA .0217 RC3 -.0566 FAU .01622
 FDE -.9988 FRA 1.6651 FC3 -.4611 BSP 19753
 BDE 2.8450 BRA 3.9060 BC3 2.5085 FSP -671

MID-COURSE EXECUTION ACCURACY

SGT 6144.5 SGR 442.0 SG3 198.0
 RRT -.3621 RRF -.3654 RTF .9678
 SGB 6160.4 R23 .0143 R13 -.9679
 SG1 6146.6 SG2 411.8 THA 178.50

ORBIT DETERMINATION ACCURACY

ST 3237.9 SR 436.9 SS 917.5
 CRT -.8945 CRS .8587 CST -.9971
 LSA 3387.3 MSA 206.8 SSA 14.4
 EL1 3261.5 EL2 193.9 ALF 173.09

LAUNCH DATE JUN 15 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 590.059

RL 151.96 LAL -.00 LOL 263.23 VL 25.937 GAL 9.57 AZL 93.26 HCA 285.27 SMA 123.57 ECC .28097 INC 3.2596 V1 29.319
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.256 GAP 14.62 AZP 90.86 TAL 153.30 TAP 78.56 RCA 88.85 APO 158.29 V2 35.151
 RC 167.829 GL -14.52 GP 1.63 ZAL 44.34 ZAP 174.19 ETS 14.66 ZAE 125.71 ETE 179.16 ZAC 71.51 ETC 12.88 CLP-174.42

PLANETOCENTRIC CONIC

C3 33.637 VHL 5.800 DLA -28.82 RAL 213.32 RAD 6568.3 VEL 12.450 PTH 2.25 VHP 9.251 DPA -1.31 RAP 194.82 ECC 1.5536
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.41 13 16 13 1171.26 16.60 343.40 90.49 113.90 13 35 45 571.3 19.69 336.05
 95.59 14 49 19 869.94 16.61 321.33 90.50 113.89 15 3 49 269.9 19.70 313.98
 100.00 14 16 54 974.35 10.60 326.00 87.48 118.12 14 33 8 374.3 14.27 319.14
 100.00 16 31 20 5830.13 22.81 277.67 93.14 109.86 18 8 30 5230.1 25.31 269.76
 110.00 14 9 10 998.68 3.06 323.27 82.91 124.06 14 25 48 398.7 7.51 317.01
 110.00 18 55 34 5378.56 31.21 246.33 96.07 104.70 20 25 12 4778.6 32.92 237.52

DIFFERENTIAL CORRECTIONS

TDE-2.8587 TRA 4.2604 TC3-2.2514 BAU 1.0127
 RDE .4439 RRA .0090 RC3 -.0465 FAU .01429
 FDE -.9619 FRA 1.7040 FC3 -.3679 BSP 19853
 BDE 2.8930 BRA 4.2604 BC3 2.2519 FSP -642

MID-COURSE EXECUTION ACCURACY

SGT 6154.0 SGR 442.0 SG3 188.8
 RRT -.3857 RRF -.3875 RTF .9686
 SGB 6169.9 R23 .0133 R13 -.9686
 SG1 6156.4 SG2 407.6 THA 178.41

ORBIT DETERMINATION ACCURACY

ST 3171.5 SR 438.6 SS 888.4
 CRT -.8872 CRS .8513 CST -.9972
 LSA 3315.9 MSA 212.3 SSA 13.9
 EL1 3195.4 EL2 200.8 ALF 172.98

LAUNCH DATE JUN 15 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 595.155

RL 151.96 LAL -.00 LOL 263.23 VL 25.903 GAL 10.36 AZL 93.23 HCA 288.49 SMA 123.36 ECC .29036 INC 3.2348 V1 29.319
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.222 GAP 15.29 AZP 91.03 TAL 152.10 TAP 80.59 RCA 87.54 APO 159.19 V2 35.139
 RC 169.783 GL -13.61 GP 1.58 ZAL 42.63 ZAP 175.19 ETS 17.57 ZAE 125.49 ETE 179.16 ZAC 69.40 ETC 12.91 CLP-175.46

PLANETOCENTRIC CONIC

C3 37.311 VHL 6.108 DLA -28.48 RAL 215.31 RAD 6568.5 VEL 12.597 PTH 2.28 VHP 9.645 DPA -2.25 RAP 196.80 ECC 1.6140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.80 13 43 51 1133.79 15.70 340.23 94.09 114.07 14 2 45 533.8 18.82 332.94
 93.20 14 37 34 959.76 15.71 327.50 94.10 114.07 14 53 34 359.8 18.83 320.20
 100.00 14 15 4 1032.45 8.71 329.29 90.55 118.71 14 32 17 432.4 12.48 322.52
 100.00 16 49 2 5824.38 22.95 277.30 97.17 109.70 18 26 6 5224.4 25.42 269.37
 110.00 14 12 47 1039.65 1.50 325.41 86.13 124.15 14 30 6 439.6 5.97 319.18
 110.00 19 7 49 5389.95 31.01 247.16 100.01 105.15 20 37 39 4789.9 32.78 238.38

DIFFERENTIAL CORRECTIONS

TDE-2.9057 TRA 4.6377 TC3-2.0052 BAU 1.0004
 RDE .4676 RRA -.0057 RC3 -.0378 FAU .01244
 FDE -.9285 FRA 1.7450 FC3 -.2886 BSP 19933
 BDE 2.9430 BRA 4.6378 BC3 2.0055 FSP -614

MID-COURSE EXECUTION ACCURACY

SGT 6158.3 SGR 441.1 SG3 180.2
 RRT -.4096 RRF -.4098 RTF .9695
 SGB 6174.1 R23 .0121 R13 -.9696
 SG1 6160.9 SG2 402.2 THA 178.31

ORBIT DETERMINATION ACCURACY

ST 3104.6 SR 438.6 SS 862.3
 CRT -.8798 CRS .8439 CST -.9974
 LSA 3244.6 MSA 217.1 SSA 13.5
 EL1 3128.6 EL2 206.9 ALF 172.88

LAUNCH DATE JUN 15 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 600.120

RL 151.96 LAL -.00 LOL 263.23 VL 25.869 GAL 11.21 AZL 93.21 HCA 291.72 SMA 123.16 ECC .30061 INC 3.2089 V1 29.319
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.187 GAP 16.02 AZP 91.19 TAL 150.92 TAP 82.64 RCA 86.14 APO 160.19 V2 35.128
 RC 171.722 GL -12.73 GP 1.54 ZAL 41.00 ZAP 176.17 ETS 21.93 ZAE 125.26 ETE 179.17 ZAC 67.30 ETC 12.98 CLP-176.50

PLANETOCENTRIC CONIC

C3 41.549 VHL 6.446 DLA -28.12 RAL 217.19 RAD 6568.6 VEL 12.764 PTH 2.32 VHP 10.070 DPA -3.18 RAP 198.78 ECC 1.6838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 49 13 1168.09 12.14 341.04 96.38 115.78 14 8 41 568.1 15.51 333.98
 90.00 14 47 13 979.82 17.42 329.74 98.84 112.68 15 3 33 379.8 20.35 322.29
 100.00 14 13 25 1089.81 6.82 332.50 93.58 119.17 14 31 34 489.8 10.66 325.81
 100.00 17 5 43 5821.37 23.02 277.10 101.15 109.62 18 42 44 5221.4 25.48 269.17
 110.00 14 15 50 1082.17 -.13 327.63 89.29 124.18 14 33 52 482.2 4.36 321.41
 110.00 19 19 46 5401.77 30.80 248.02 103.91 105.62 20 49 48 4801.8 32.63 239.28

DIFFERENTIAL CORRECTIONS

TDE-2.9549 TRA 5.0401 TC3-1.7705 BAU .9836
 RDE .4916 RRA -.0224 RC3 -.0303 FAU .01064
 FDE -.8985 FRA 1.7885 FC3 -.2217 BSP 19997
 BDE 2.9955 BRA 5.0402 BC3 1.7708 FSP -587

MID-COURSE EXECUTION ACCURACY

SGT 6157.4 SGR 439.3 SG3 172.1
 RRT -.4337 RRF -.4325 RTF .9707
 SGB 6173.1 R23 .0108 R13 -.9707
 SG1 6160.4 SG2 395.6 THA 178.22

ORBIT DETERMINATION ACCURACY

ST 3037.5 SR 437.0 SS 839.2
 CRT -.8723 CRS .8366 CST -.9975
 LSA 3173.7 MSA 221.1 SSA 13.0
 EL1 3061.4 EL2 212.0 ALF 172.81

LAUNCH DATE JUN 15 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 604.933

RL 151.96 LAL -.00 LOL 263.23 VL 25.835 GAL 12.12 AZL 93.18 HCA 294.94 SMA 122.97 ECC .31182 INC 3.1820 V1 29.319
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.152 GAP 16.80 AZP 91.34 TAL 149.79 TAP 84.73 RCA 84.62 APO 161.31 V2 35.116
 RC 173.647 GL -11.87 GP 1.50 ZAL 39.46 ZAP 177.12 ETS 29.55 ZAE 125.02 ETE 179.17 ZAC 65.21 ETC 13.08 CLP-177.54

PLANETOCENTRIC CONIC

C3 46.453 VHL 6.816 DLA -27.75 RAL 218.97 RAD 6568.7 VEL 12.954 PTH 2.36 VHP 10.531 DPA -4.09 RAP 200.76 ECC 1.7645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 35 26 1264.23 9.24 346.61 98.90 116.89 13 56 30 664.2 12.77 339.71
 90.00 15 15 9 939.84 18.46 327.26 103.19 111.86 15 30 49 339.8 21.26 319.71
 100.00 14 11 47 1146.72 4.92 335.65 96.57 119.52 14 30 54 546.7 8.82 329.03
 100.00 17 21 29 5820.62 23.03 277.05 105.05 109.60 18 58 29 5220.6 25.49 269.12
 110.00 14 18 22 1126.04 -1.81 329.92 92.39 124.14 14 37 8 526.0 2.69 323.71
 110.00 19 31 23 5414.06 30.57 248.90 107.76 106.09 21 1 37 4814.1 32.47 240.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0045 TRA 5.4733 TC3-1.5454 BAU .9599 SGT 6151.9 SGR 436.5 SG3 164.6 ST 2969.1 SR 433.7 SS 818.6
 RDE .5157 RRA -.0413 RC3 -.0242 FAU .00883 RRT -.4578 RRF -.4550 RTF .9719 CRT -.8646 CRS .8290 CST -.9976
 FDE -.8707 FRA 1.8362 FC3 -.1646 BSP 19967 SGB 6167.4 R23 .0093 R13 -.9720 LSA 3102.2 MSA 224.4 SSA 12.6
 BDE 3.0484 BRA 5.4735 BC3 1.5456 FSP -559 SG1 6155.1 SG2 387.9 THA 178.13 EL1 2992.8 EL2 216.2 ALF 172.77

LAUNCH DATE JUN 15 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 17 1968

HELIOCENTRIC CONIC

DISTANCE 609.564

RL 151.96 LAL -.00 LOL 263.23 VL 25.802 GAL 13.11 AZL 93.15 HCA 298.16 SMA 122.77 ECC .32412 INC 3.1535 V1 29.319
 RP 107.96 LAP 2.78 LOP 201.43 VP 37.118 GAP 17.64 AZP 91.49 TAL 148.70 TAP 86.86 RCA 82.98 APO 162.56 V2 35.103
 RC 175.555 GL -11.04 GP 1.47 ZAL 38.01 ZAP 177.97 ETS 44.44 ZAE 124.75 ETE 179.17 ZAC 63.13 ETC 13.20 CLP-178.60

PLANETOCENTRIC CONIC

C3 52.150 VHL 7.222 DLA -27.35 RAL 220.63 RAD 6568.9 VEL 13.172 PTH 2.41 VHP 11.031 DPA -5.00 RAP 202.73 ECC 1.8583
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 27 5 1342.37 6.80 351.06 101.58 117.55 13 49 27 742.4 10.44 344.27
 90.00 15 36 46 919.44 18.97 325.98 107.25 111.43 15 52 5 319.4 21.71 318.39
 100.00 14 10 6 1203.33 3.02 338.78 99.51 119.75 14 30 10 603.3 6.96 332.20
 100.00 17 36 25 5821.75 23.01 277.12 108.87 109.63 19 13 27 5221.8 25.47 269.19
 110.00 14 20 23 1171.05 -3.52 332.27 95.44 124.02 14 39 54 571.0 .97 326.06
 110.00 19 42 38 5426.80 30.33 249.81 111.55 106.58 21 13 4 4826.8 32.30 241.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.0630 TRA 5.9327 TC3-1.3365 BAU .9319 SGT 6141.4 SGR 433.0 SG3 157.4 ST 2904.6 SR 428.8 SS 802.1
 RDE .5401 RRA -.0623 RC3 -.0192 FAU .00713 RRT -.4824 RRF -.4783 RTF .9734 CRT -.8573 CRS .8223 CST -.9978
 FDE -.8481 FRA 1.8861 FC3 -.1183 BSP 20015 SGB 6156.6 R23 .0079 R13 -.9734 LSA 3035.2 MSA 226.3 SSA 12.1
 BDE 3.1102 BRA 5.9330 BC3 1.3366 FSP -536 SG1 6145.0 SG2 379.0 THA 178.04 EL1 2927.9 EL2 219.0 ALF 172.75

LAUNCH DATE JUN 15 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 19 1968

HELIOCENTRIC CONIC

DISTANCE 613.981

RL 151.96 LAL -.00 LOL 263.23 VL 25.770 GAL 14.18 AZL 93.12 HCA 301.38 SMA 122.58 ECC .33766 INC 3.1234 V1 29.319
 RP 107.99 LAP 2.67 LOP 204.65 VP 37.083 GAP 18.56 AZP 91.63 TAL 147.66 TAP 89.04 RCA 81.19 APO 163.97 V2- 35.091
 RC 177.448 GL -10.23 GP 1.44 ZAL 36.66 ZAP 178.53 ETS 75.48 ZAE 124.46 ETE 179.16 ZAC 61.08 ETC 13.37 CLP-179.68

PLANETOCENTRIC CONIC

C3 58.797 VHL 7.668 DLA -26.94 RAL 222.18 RAD 6569.1 VEL 13.422 PTH 2.45 VHP 11.578 DPA -5.88 RAP 204.68 ECC 1.9676
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 20 41 1413.52 4.55 355.07 104.29 117.98 13 44 15 813.5 8.25 348.35
 90.00 15 55 30 907.38 19.27 325.22 111.14 111.16 16 10 37 307.4 21.97 317.60
 100.00 14 8 18 1259.71 1.11 341.87 102.39 119.87 14 29 18 659.7 5.08 335.33
 100.00 17 50 35 5824.46 22.94 277.30 112.61 109.70 19 27 39 5224.5 25.42 269.38
 110.00 14 21 54 1216.99 -5.27 334.68 98.42 123.82 14 42 11 617.0 -7.79 328.46
 110.00 19 53 27 5439.95 30.07 250.75 115.25 107.08 21 24 7 4839.9 32.11 242.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1267 TRA 6.4259 TC3-1.1409 BAU .8969 SGT 6126.1 SGR 428.6 SG3 150.7 ST 2841.1 SR 422.4 SS 788.8
 RDE .5646 RRA -.0857 RC3 -.0153 FAU .00543 RRT -.5071 RRF -.5018 RTF .9751 CRT -.8502 CRS .8161 CST -.9980
 FDE -.8290 FRA 1.9405 FC3 -.0799 BSP 20034 SGB 6141.1 R23 .0064 R13 -.9751 LSA 2970.0 MSA 227.2 SSA 11.7
 BDE 3.1773 BRA 6.4265 BC3 1.1410 FSP -513 SG1 6130.0 SG2 369.2 THA 177.96 EL1 2863.9 EL2 220.6 ALF 172.75

LAUNCH DATE JUN 15 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 21 1968

HELIOCENTRIC CONIC

DISTANCE 618.140

RL 151.96 LAL -.00 LOL 263.23 VL 25.738 GAL 15.35 AZL 93.09 HCA 304.60 SMA 122.40 ECC .35259 INC 3.0911 V1 29.319
 RP 108.03 LAP 2.54 LOP 207.87 VP 37.049 GAP 19.56 AZP 91.76 TAL 146.69 TAP 91.28 RCA 79.24 APO 165.55 V2 35.078
 RC 179.325 GL -9.44 GP 1.41 ZAL 35.41 ZAP 178.39 ETS 117.09 ZAE 124.14 ETE 179.15 ZAC 59.05 ETC 13.56 CLP 179.21

PLANETOCENTRIC CONIC

C3 66.587 VHL 8.160 DLA -26.51 RAL 223.61 RAD 6569.3 VEL 13.709 PTH 2.51 VHP 12.178 DPA -6.74 RAP 206.62 ECC 2.0959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 15 15 1480.81 2.39 358.83 106.97 118.22 13 39 55 880.8 6.14 352.17
 90.00 16 12 22 900.23 19.44 324.77 114.89 111.00 16 27 22 300.2 22.13 317.13
 100.00 14 6 19 1315.88 -.80 344.95 105.20 119.88 14 28 14 715.9 3.19 338.43
 100.00 18 3 59 5828.44 22.85 277.56 116.25 109.81 19 41 8 5228.4 25.34 269.65
 110.00 14 22 56 1263.70 -7.03 337.14 101.34 123.54 14 44 0 663.7 -2.58 330.89
 110.00 20 3 51 5453.39 29.80 251.70 118.87 107.58 21 34 45 4853.4 31.91 243.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.1977 TRA 6.9553 TC3 -.9576 BAU .8526 SGT 6104.8 SGR 423.3 SG3 144.5 ST 2779.2 SR 414.5 SS 778.9
 RDE .5892 RRA -.1113 RC3 -.0124 FAU .00373 RRT -.5317 RRF -.5253 RTF .9769 CRT -.8435 CRS .8103 CST -.9981
 FDE -.8135 FRA 2.0002 FC3 -.0484 BSP 20054 SGB 6119.5 R23 .0048 R13 -.9769 LSA 2907.0 MSA 226.9 SSA 11.2
 BDE 3.2515 BRA 6.9562 BC3 .9577 FSP -491 SG1 6109.0 SG2 358.3 THA 177.88 EL1 2801.2 EL2 220.9 ALF 172.78

LAUNCH DATE JUN 16 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 25 1967

HELIOCENTRIC CONIC

DISTANCE 159.318

RL 151.97 LAL -.00 LOL 264.19 VL 22.478 GAL .85 AZL 93.59 HCA 63.94 SMA 106.91 ECC .42167 INC 3.5878 V1 29.317
 RP 108.91 LAP -3.22 LOP 328.09 VP 34.580 GAP -24.92 AZP 91.58 TAL 178.83 TAP 242.78 RCA 61.83 APO 151.99 V2 34.795
 RC 43.455 GL -11.54 GP -1.08 ZAL 88.54 ZAP 13.37 ETS 175.76 ZAE 169.27 ETE 75.85 ZAC 103.79 ETC 14.68 CLP 13.33

PLANETOCENTRIC CONIC

C3 49.415 VHL 7.030 DLA -8.87 RAL 171.42 RAD 6568.8 VEL 13.068 PTH 2.38 VHP 14.904 DPA 9.41 RAP 163.77 ECC 1.8133
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 19 50 2160.92 -18.23 38.11 45.94 112.05 6 55 51 1560.9 -15.08 30.85
 90.00 16 3 34 5362.12 27.77 244.82 52.36 84.23 17 32 56 4762.1 26.68 236.33
 100.00 7 36 51 1912.44 -19.56 19.26 45.35 113.06 8 8 44 1312.4 -16.27 12.01
 100.00 17 29 14 5085.83 29.20 224.33 52.18 83.32 18 54 0 4485.8 27.97 215.74
 110.00 8 35 15 1729.57 -23.11 3.65 43.62 115.92 9 4 5 1129.6 -19.43 356.44
 110.00 18 47 19 4841.47 33.06 205.14 51.55 80.77 20 8 1 4241.5 31.43 196.29

DIFFERENTIAL CORRECTIONS

TDE .4119 TRA -.8564 TC3 .0386 BAU .0542
 RDE -.4745 RRA -.2081 RC3 .0724 FAU .01900
 FDE -.3130 FRA .3419 FC3 -.3328 BSP 2105
 BDE .6283 BRA .8813 BC3 .0821 FSP -114

MID-COURSE EXECUTION ACCURACY

SGT 784.1 SGR 435.2 SG3 52.1
 RRT -.0090 RRF .0100 RTF -.6564
 SGB 896.8 R23 -.0015 R13 .6564
 SG1 784.1 SG2 435.2 THA 179.59

ORBIT DETERMINATION ACCURACY

ST 397.0 SR 390.2 SS 346.6
 CRT -.7677 CRS -.8976 CST .9695
 LSA 626.9 MSA 191.7 SSA 15.0
 EL1 523.3 EL2 189.7 ALF 135.65

LAUNCH DATE JUN 16 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 165.866

RL 151.97 LAL -.00 LOL 264.19 VL 22.896 GAL .72 AZL 93.56 HCA 67.11 SMA 108.57 ECC .39990 INC 3.5571 V1 29.317
 RP 108.90 LAP -3.28 LOP 331.26 VP 34.857 GAP -23.57 AZP 91.39 TAL 178.92 TAP 246.03 RCA 65.15 APO 151.99 V2 34.799
 RC 43.079 GL -12.39 GP -1.13 ZAL 88.87 ZAP 11.68 ETS 174.75 ZAE 168.19 ETE 63.60 ZAC 102.38 ETC 14.53 CLP 11.63

PLANETOCENTRIC CONIC

C3 43.851 VHL 6.622 DLA -9.51 RAL 170.78 RAD 6568.7 VEL 12.854 PTH 2.34 VHP 14.150 DPA 8.80 RAP 165.12 ECC 1.7217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 22 25 2110.01 -16.90 34.97 43.23 113.06 6 57 35 1510.0 -13.63 27.81
 90.00 15 55 53 5353.12 27.71 244.17 49.74 83.91 17 25 6 4753.1 26.58 235.69
 100.00 7 39 5 1862.66 -18.21 16.18 42.63 114.13 8 10 8 1262.7 -14.79 9.05
 100.00 17 21 53 5075.70 29.12 223.58 49.56 82.94 18 46 29 4475.7 27.84 215.01
 110.00 8 36 42 1682.24 -21.67 .73 40.87 117.11 9 4 44 1082.2 -17.86 353.67
 110.00 18 40 46 4828.88 32.92 204.19 48.90 80.22 20 1 15 4228.9 31.22 195.38

DIFFERENTIAL CORRECTIONS

TDE .4138 TRA -.8334 TC3 .0669 BAU .0618
 RDE -.4492 RRA -.1949 RC3 .0814 FAU .01989
 FDE -.3320 FRA .3437 FC3 -.3927 BSP 2238
 BDE .6108 BRA .8558 BC3 .1054 FSP -129

MID-COURSE EXECUTION ACCURACY

SGT 818.9 SGR 438.1 SG3 57.6
 RRT -.0129 RRF .0138 RTF -.6770
 SGB 928.7 R23 -.0016 R13 .6770
 SG1 818.9 SG2 438.0 THA 179.45

ORBIT DETERMINATION ACCURACY

ST 419.9 SR 392.1 SS 368.7
 CRT -.7770 CRS -.9047 CST .9692
 LSA 654.8 MSA 192.4 SSA 15.4
 EL1 541.7 EL2 191.3 ALF 137.52

LAUNCH DATE JUN 16 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 172.451

RL 151.97 LAL -.00 LOL 264.19 VL 23.282 GAL .56 AZL 93.53 HCA 70.27 SMA 110.18 ECC .37944 INC 3.5278 V1 29.317
 RP 108.88 LAP -3.32 LOP 334.43 VP 35.117 GAP -22.29 AZP 91.19 TAL 179.08 TAP 249.35 RCA 68.37 APO 151.98 V2 34.804
 RC 42.876 GL -13.26 GP -1.18 ZAL 89.32 ZAP 9.99 ETS 173.39 ZAE 166.71 ETE 53.47 ZAC 100.99 ETC 14.38 CLP 9.92

PLANETOCENTRIC CONIC

C3 39.024 VHL 6.247 DLA -10.13 RAL 170.00 RAD 6568.5 VEL 12.665 PTH 2.30 VHP 13.429 DPA 8.20 RAP 166.46 ECC 1.6422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 15 2060.53 -15.56 31.96 40.47 113.96 6 58 36 1460.5 -12.19 24.90
 90.00 15 47 50 5343.76 27.64 243.50 47.01 83.58 17 16 53 4743.8 26.46 235.03
 100.00 7 40 35 1814.27 -16.83 13.24 39.86 115.07 8 10 49 1214.3 -13.32 6.22
 100.00 17 14 11 5065.25 29.03 222.82 46.82 82.55 18 38 36 4465.2 27.70 214.27
 110.00 8 37 26 1636.23 -20.21 357.95 38.08 118.17 9 4 42 1036.2 -16.29 351.02
 110.00 18 33 49 4816.05 32.77 203.22 46.13 79.67 19 54 5 4216.1 30.99 194.44

DIFFERENTIAL CORRECTIONS

TDE .4145 TRA -.8096 TC3 .1005 BAU .0707
 RDE -.4252 RRA -.1822 RC3 .0910 FAU .02087
 FDE -.3518 FRA .3442 FC3 -.4629 BSP 2363
 BDE .5938 BRA .8299 BC3 .1355 FSP -144

MID-COURSE EXECUTION ACCURACY

SGT 854.0 SGR 440.2 SG3 63.6
 RRT -.0159 RRF .0175 RTF -.6957
 SGB 960.8 R23 -.0025 R13 .6958
 SG1 854.0 SG2 440.1 THA 179.36

ORBIT DETERMINATION ACCURACY

ST 442.4 SR 393.3 SS 391.2
 CRT -.7857 CRS -.9115 CST .9687
 LSA 682.7 MSA 192.7 SSA 15.8
 EL1 559.9 EL2 192.3 ALF 139.27

LAUNCH DATE JUN 16 1967

FLIGHT TIME 76.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 179.070

RL 151.97 LAL -.00 LOL 264.19 VL 23.638 GAL .40 AZL 93.50 HCA 73.44 SMA 111.72 ECC .36027 INC 3.4996 V1 29.317
 RP 108.87 LAP -3.35 LOP 337.60 VP 35.359 GAP -21.07 AZP 91.00 TAL 179.29 TAP 252.73 RCA 71.47 APO 151.97 V2 34.809
 RC 42.849 GL -14.15 GP -1.24 ZAL 89.92 ZAP 8.29 ETS 171.47 ZAE 164.94 ETE 45.40 ZAC 99.60 ETC 14.25 CLP 8.19

PLANETOCENTRIC CONIC

C3 34.841 VHL 5.903 DLA -10.71 RAL 169.09 RAD 6568.4 VEL 12.498 PTH 2.26 VHP 12.738 DPA 7.58 RAP 167.77 ECC 1.5734
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 25 18 2012.83 -14.22 29.10 37.67 114.75 6 58 51 1412.8 -10.76 22.12
 90.00 15 39 28 5334.16 27.56 242.80 44.18 83.24 17 8 22 4734.2 26.34 234.35
 100.00 7 41 18 1767.64 -15.47 10.46 37.06 115.90 8 10 46 1167.6 -11.86 3.52
 100.00 17 6 9 5054.59 28.94 222.04 43.98 82.15 18 30 24 4454.6 27.55 213.51
 110.00 8 37 26 1591.88 -18.77 355.32 35.27 119.11 9 3 58 991.9 -14.74 348.52
 110.00 18 26 31 4803.11 32.60 202.24 43.28 79.11 19 46 34 4203.1 30.76 193.51

DIFFERENTIAL CORRECTIONS

TDE .4149 TRA -.7867 TC3 .1384 BAU .0798
 RDE -.4023 RRA -.1700 RC3 .1009 FAU .02196
 FDE -.3737 FRA .3436 FC3 -.5456 BSP 2450
 BDE .5780 BRA .8048 BC3 .1713 FSP -162

MID-COURSE EXECUTION ACCURACY

SGT 890.4 SGR 441.5 SG3 70.3
 RRT -.0186 RRF .0221 RTF -.7112
 SGB 993.9 R23 -.0045 R13 .7112
 SG1 890.5 SG2 441.4 THA 179.30

ORBIT DETERMINATION ACCURACY

ST 465.4 SR 393.8 SS 415.2
 CRT -.7941 CRS -.9186 CST .9679
 LSA 711.8 MSA 192.6 SSA 16.2
 EL1 578.4 EL2 192.6 ALF 140.97

LAUNCH DATE JUN 16 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 185.716

RL 151.97 LAL -.00 LOL 264.19 VL 23.966 GAL .22 AZL 93.47 HCA 76.60 SMA 113.21 ECC .34235 INC 3.4724 V1 29.317
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.585 GAP -19.90 AZP 90.81 TAL 179.57 TAP 256.18 RCA 74.45 APO 151.97 V2 34.815
 RC 42.995 GL -15.06 GP -1.31 ZAL 90.64 ZAP 6.58 ETS 168.53 ZAE 163.00 ETE 39.01 ZAC 98.24 ETC 14.14 CLP 6.45

PLANETOCENTRIC CONIC

C3 31.217 VHL 5.587 DLA -11.24 RAL 168.03 RAD 6568.2 VEL 12.353 PTH 2.23 VHP 12.076 DPA 6.96 RAP 169.07 ECC 1.5138
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 25 33 1967.27 -12.90 26.40 34.85 115.43 6 58 20 1367.3 -9.37 19.49
 90.00 15 30 50 5324.37 27.48 242.10 41.27 82.90 16 59 35 4724.4 26.21 233.66
 100.00 7 41 14 1723.09 -14.13 7.83 34.23 116.62 8 9 57 1123.1 -10.44 .98
 100.00 16 57 50 5043.78 28.83 221.25 41.06 81.75 18 21 54 4443.8 27.39 212.75
 110.00 8 36 40 1549.50 -17.34 352.86 32.43 119.93 9 2 29 949.5 -13.23 346.16
 110.00 18 18 54 4790.13 32.43 201.27 40.34 78.56 19 38 44 4190.1 30.52 192.58

DIFFERENTIAL CORRECTIONS

TOE .4193 TRA -.7609 TC3 .1860 BAU .0904
 RDE -.3808 RRA -.1583 RC3 .1111 FAU .02315
 FDE -.3980 FRA .3423 FC3 -.6421 BSP 2598
 BDE .5664 BRA .7772 BC3 .2167 FSP -182

MID-COURSE EXECUTION ACCURACY

SGT 927.9 SGR 441.9 SG3 77.7
 RRT -.0254 RRF .0277 RTF -.7300
 SGB 1027.8 R23 -.0038 R13 .7300
 SG1 928.0 SG2 441.8 THA 179.10

ORBIT DETERMINATION ACCURACY

ST 491.8 SR 393.7 SS 440.9
 CRT -.8059 CRS -.9255 CST .9684
 LSA 744.7 MSA 191.0 SSA 16.6
 EL1 600.4 EL2 190.9 ALF 142.78

LAUNCH DATE JUN 16 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 192.385

RL 151.97 LAL -.00 LOL 264.19 VL 24.268 GAL .04 AZL 93.45 HCA 79.77 SMA 114.64 ECC .32565 INC 3.4458 V1 29.317
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.796 GAP -18.79 AZP 90.61 TAL 179.92 TAP 259.69 RCA 77.31 APO 151.97 V2 34.822
 RC 43.312 GL -15.98 GP -1.38 ZAL 91.50 ZAP 4.89 ETS 163.46 ZAE 160.99 ETE 33.93 ZAC 96.90 ETC 14.03 CLP 4.69

PLANETOCENTRIC CONIC

C3 28.082 VHL 5.299 DLA -11.74 RAL 166.86 RAD 6568.1 VEL 12.225 PTH 2.20 VHP 11.442 DPA 6.35 RAP 170.34 ECC 1.4622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 24 59 1924.18 -11.63 23.87 32.00 116.00 6 57 3 1324.2 -8.04 17.03
 90.00 15 22 1 5314.44 27.40 241.38 38.30 82.55 16 50 35 4714.4 26.08 232.96
 100.00 7 40 22 1680.96 -12.83 5.38 31.38 117.23 8 8 23 1081.0 -9.08 358.59
 100.00 16 49 18 5032.90 28.72 220.46 38.09 81.35 18 13 11 4432.9 27.23 211.98
 110.00 8 35 8 1509.41 -15.97 350.57 29.59 120.63 9 0 18 909.4 -11.78 343.96
 110.00 18 11 1 4777.21 32.25 200.30 37.34 78.01 19 30 38 4177.2 30.27 191.65

DIFFERENTIAL CORRECTIONS

TOE .4018 TRA -.7362 TC3 .2217 BAU .0950
 RDE -.3603 RRA -.1473 RC3 .1217 FAU .02401
 FDE -.4075 FRA .3376 FC3 -.7403 BSP 2509
 BDE .5397 BRA .7508 BC3 .2529 FSP -189

MID-COURSE EXECUTION ACCURACY

SGT 951.3 SGR 441.4 SG3 84.2
 RRT -.0159 RRF .0229 RTF -.7327
 SGB 1048.7 R23 -.0080 R13 .7327
 SG1 951.3 SG2 441.3 THA 179.46

ORBIT DETERMINATION ACCURACY

ST 498.3 SR 392.6 SS 450.0
 CRT -.8041 CRS -.9294 CST .9650
 LSA 753.3 MSA 192.7 SSA 17.1
 EL1 604.5 EL2 192.4 ALF 143.33

LAUNCH DATE JUN 16 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 199.076

RL 151.97 LAL -.00 LOL 264.19 VL 24.546 GAL -.14 AZL 93.42 HCA 82.94 SMA 116.00 ECC .31011 INC 3.4198 V1 29.317
 RP 108.80 LAP -3.39 LOP 347.11 VP 35.992 GAP -17.72 AZP 90.42 TAL 180.32 TAP 263.26 RCA 80.03 APO 151.97 V2 34.830
 RC 43.796 GL -16.90 GP -1.47 ZAL 92.47 ZAP 3.24 ETS 152.93 ZAE 158.98 ETE 29.84 ZAC 95.59 ETC 13.94 CLP 2.89

PLANETOCENTRIC CONIC

C3 25.370 VHL 5.037 DLA -12.19 RAL 165.55 RAD 6568.0 VEL 12.114 PTH 2.17 VHP 10.835 DPA 5.73 RAP 171.57 ECC 1.4175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 23 33 1883.92 -10.42 21.54 29.13 116.48 6 54 56 1283.9 -6.78 14.75
 90.00 15 13 3 5304.31 27.31 240.66 35.29 82.19 16 41 27 4704.3 25.94 232.25
 100.00 7 38 39 1641.58 -11.59 3.11 28.52 117.75 8 6 1 1041.6 -7.79 356.38
 100.00 16 40 37 5021.88 28.61 219.67 35.07 80.94 18 4 19 4421.9 27.06 211.20
 110.00 8 32 50 1471.90 -14.65 348.45 26.74 121.23 8 57 22 871.9 -10.41 341.92
 110.00 18 2 56 4764.32 32.07 199.34 34.30 77.47 19 22 20 4164.3 30.01 190.73

DIFFERENTIAL CORRECTIONS

TOE .4322 TRA -.6982 TC3 .3193 BAU .1171
 RDE -.3417 RRA -.1369 RC3 .1312 FAU .02633
 FDE -.4564 FRA .3282 FC3 -.8985 BSP 3039
 BDE .5510 BRA .7115 BC3 .3452 FSP -238

MID-COURSE EXECUTION ACCURACY

SGT 1002.7 SGR 440.4 SG3 96.0
 RRT -.0433 RRF .0435 RTF -.7690
 SGB 1095.1 R23 -.0023 R13 .7690
 SG1 1002.9 SG2 439.8 THA 178.65

ORBIT DETERMINATION ACCURACY

ST 548.9 SR 391.6 SS 498.4
 CRT -.8347 CRS -.9411 CST .9701
 LSA 817.9 MSA 183.6 SSA 17.6
 EL1 649.1 EL2 182.4 ALF 146.20

LAUNCH DATE JUN 16 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 205.779

RL 151.97 LAL -.00 LOL 264.19 VL 24.801 GAL -.33 AZL 93.39 HCA 86.11 SMA 117.29 ECC .29572 INC 3.3941 V1 29.317
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.175 GAP -16.70 AZP 90.23 TAL 180.78 TAP 266.89 RCA 82.61 APO 151.97 V2 34.838
 RC 44.440 GL -17.82 GP -1.56 ZAL 93.56 ZAP 1.89 ETS 124.05 ZAE 157.03 ETE 26.47 ZAC 94.31 ETC 13.86 CLP 1.06

PLANETOCENTRIC CONIC

C3 23.030 VHL 4.799 DLA -12.58 RAL 164.15 RAD 6567.9 VEL 12.017 PTH 2.14 VHP 10.253 DPA 5.11 RAP 172.77 ECC 1.3790
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 21 18 1846.74 -9.28 19.40 26.28 116.87 6 52 4 1246.7 -5.60 12.65
 90.00 15 4 4 5294.03 27.21 239.92 32.25 81.84 16 32 18 4694.0 25.80 231.54
 100.00 7 36 9 1605.19 -10.43 1.03 25.67 118.17 8 2 55 1005.2 -6.58 354.35
 100.00 16 31 53 5010.79 28.49 218.86 32.03 80.54 17 55 24 4410.8 26.88 210.43
 110.00 8 29 48 1437.22 -13.42 346.52 23.91 121.74 8 53 45 837.2 -9.13 340.06
 110.00 17 54 44 4751.54 31.88 198.40 31.25 76.94 19 13 56 4151.5 29.75 189.83

DIFFERENTIAL CORRECTIONS

TOE .4342 TRA -.6719 TC3 .3838 BAU .1259
 RDE -.3241 RRA -.1271 RC3 .1407 FAU .02799
 FDE -.4889 FRA .3194 FC3 -1.0521 BSP 3090
 BDE .5418 BRA .6838 BC3 .4088 FSP -265

MID-COURSE EXECUTION ACCURACY

SGT 1039.2 SGR 438.3 SG3 106.3
 RRT -.0507 RRF .0534 RTF -.7790
 SGB 1127.9 R23 -.0054 R13 .7791
 SG1 1039.5 SG2 437.6 THA 178.51

ORBIT DETERMINATION ACCURACY

ST 574.1 SR 389.8 SS 528.1
 CRT -.8448 CRS -.9480 CST .9695
 LSA 852.8 MSA 181.3 SSA 18.1
 EL1 670.6 EL2 178.6 ALF 147.59

LAUNCH DATE JUN 16 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 212.494

RL 151.97 LAL -.00 LOL 264.19 VL 25.036 GAL -.51 AZL 93.37 HCA 89.28 SMA 118.51 ECC .28241 INC 3.3686 V1 29.317
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.344 GAP -15.73 AZP 90.04 TAL 181.30 TAP 270.58 RCA 85.04 APO 151.98 V2 34.846
 RC 45.237 GL -18.72 GP -1.66 ZAL 94.74 ZAP 1.84 ETS 63.68 ZAE 155.18 ETE 23.66 ZAC 93.07 ETC 13.79 CLP -.81

PLANETOCENTRIC CONIC

C3 21.013 VHL 4.584 DLA -12.93 RAL 162.64 RAD 6567.9 VEL 11.933 PTH 2.12 VHP 9.696 DPA 4.49 RAP 173.93 ECC 1.3458
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 18 13 1812.93 -8.23 17.46 23.43 117.19 6 48 26 1212.9 -4.52 10.75
 90.00 14 55 8 5283.49 27.10 239.17 29.22 81.47 16 23 12 4683.5 25.65 230.80
 100.00 7 32 52 1572.09 -9.36 359.16 22.83 118.52 7 59 4 972.1 -5.48 352.52
 100.00 16 23 11 4999.56 28.36 218.05 28.99 80.13 17 46 30 4399.6 26.70 209.64
 110.00 8 26 2 1405.59 -12.28 344.78 21.09 122.15 8 49 27 805.6 -7.95 338.37
 110.00 17 46 30 4738.83 31.68 197.46 28.19 76.42 19 5 29 4138.8 29.49 188.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4409 TRA -.6406 TC3 .4705 BAU .1386
 RDE -.3079 RRA -.1179 RC3 .1490 FAU .03005
 FDE -.5255 FRA .3079 FC3-1.2383 BSP 3261
 BDE .5377 BRA .6514 BC3 .4935 FSP -302

SGT 1079.2 SGR 435.4 SG3 118.3
 RRT -.0616 RRF .0637 RTF -.7956
 SGB 1163.7 R23 -.0052 R13 .7957
 SG1 1079.6 SG2 434.5 THA 178.30

ST 603.8 SR 387.5 SS 559.9
 CRT -.8583 CRS -.9548 CST .9704
 LSA 892.5 MSA 177.0 SSA 18.6
 EL1 696.4 EL2 172.4 ALF 149.05

LAUNCH DATE JUN 16 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 219.216

RL 151.97 LAL -.00 LOL 264.19 VL 25.251 GAL -.69 AZL 93.34 HCA 92.45 SMA 119.67 ECC .27016 INC 3.3430 V1 29.317
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.501 GAP -14.79 AZP 89.86 TAL 181.87 TAP 274.32 RCA 87.34 APO 152.00 V2 34.856
 RC 46.178 GL -19.59 GP -1.77 ZAL 96.01 ZAP 3.25 ETS 32.55 ZAE 153.47 ETE 21.28 ZAC 91.89 ETC 13.74 CLP -2.73

PLANETOCENTRIC CONIC

C3 19.276 VHL 4.390 DLA -13.21 RAL 161.06 RAD 6567.8 VEL 11.860 PTH 2.10 VHP 9.163 DPA 3.89 RAP 175.03 ECC 1.3172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 14 21 1782.66 -7.29 15.74 20.61 117.44 6 44 4 1182.7 -3.56 9.05
 90.00 14 46 22 5272.65 26.99 238.39 26.20 81.10 16 14 15 4672.7 25.49 230.05
 100.00 7 28 49 1542.42 -8.39 357.48 20.02 118.80 7 54 31 942.4 -4.48 350.88
 100.00 16 14 36 4988.13 28.22 217.23 25.97 79.71 17 37 44 4388.1 26.51 208.85
 110.00 8 21 35 1377.16 -11.25 343.23 18.30 122.49 8 44 32 777.2 -6.88 336.86
 110.00 17 38 19 4726.15 31.47 196.53 25.16 75.91 18 57 5 4126.2 29.21 188.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4421 TRA -.6119 TC3 .5543 BAU .1484
 RDE -.2929 RRA -.1092 RC3 .1561 FAU .03230
 FDE -.5641 FRA .2953 FC3-1.4508 BSP 3358
 BDE .5304 BRA .6216 BC3 .5758 FSP -338

SGT 1114.7 SGR 431.7 SG3 131.6
 RRT -.0701 RRF .0743 RTF -.8063
 SGB 1195.4 R23 -.0078 R13 .8065
 SG1 1115.2 SG2 430.4 THA 178.17

ST 627.4 SR 384.8 SS 591.1
 CRT -.8685 CRS -.9607 CST .9702
 LSA 927.6 MSA 174.0 SSA 19.1
 EL1 716.8 EL2 166.9 ALF 150.18

LAUNCH DATE JUN 16 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 225.941

RL 151.97 LAL -.00 LOL 264.19 VL 25.447 GAL -.87 AZL 93.32 HCA 95.63 SMA 120.75 ECC .25890 INC 3.3174 V1 29.317
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.647 GAP -13.89 AZP 89.67 TAL 182.48 TAP 278.11 RCA 89.49 APO 152.02 V2 34.865
 RC 47.255 GL -20.44 GP -1.90 ZAL 97.35 ZAP 5.07 ETS 21.42 ZAE 151.92 ETE 19.22 ZAC 90.76 ETC 13.69 CLP -4.71

PLANETOCENTRIC CONIC

C3 17.784 VHL 4.217 DLA -13.43 RAL 159.42 RAD 6567.7 VEL 11.797 PTH 2.09 VHP 8.653 DPA 3.28 RAP 176.08 ECC 1.2927
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 9 44 1756.08 -6.45 14.24 17.84 117.63 6 39 0 1156.1 -2.70 7.56
 90.00 14 37 53 5261.43 26.87 237.59 23.23 80.72 16 5 34 4661.4 25.31 229.27
 100.00 7 24 3 1516.31 -7.53 356.02 17.25 119.01 7 49 19 916.3 -3.60 349.44
 100.00 16 6 15 4976.43 28.08 216.39 22.99 79.30 17 29 11 4376.4 26.31 208.03
 110.00 8 16 30 1352.04 -10.32 341.87 15.56 122.77 8 39 2 752.0 -5.93 335.53
 110.00 17 30 17 4713.47 31.26 195.60 22.17 75.40 18 48 51 4113.5 28.93 187.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4459 TRA -.5809 TC3 .6467 BAU .1585
 RDE -.2793 RRA -.1013 RC3 .1613 FAU .03486
 FDE -.6082 FRA .2781 FC3-1.6971 BSP 3515
 BDE .5262 BRA .5897 BC3 .6665 FSP -383

SGT 1150.3 SGR 427.2 SG3 146.7
 RRT -.0832 RRF .0881 RTF -.8175
 SGB 1227.0 R23 -.0093 R13 .8177
 SG1 1150.9 SG2 425.5 THA 177.95

ST 653.2 SR 381.8 SS 624.7
 CRT -.8801 CRS -.9667 CST .9706
 LSA 966.1 MSA 170.2 SSA 19.6
 EL1 739.4 EL2 160.1 ALF 151.30

LAUNCH DATE JUN 16 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 232.666

RL 151.97 LAL -.00 LOL 264.19 VL 25.627 GAL -1.03 AZL 93.29 HCA 98.81 SMA 121.77 ECC .24860 INC 3.2915 V1 29.317
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.782 GAP -13.03 AZP 89.50 TAL 183.13 TAP 281.93 RCA 91.50 APO 152.04 V2 34.875
 RC 48.458 GL -21.23 GP -2.04 ZAL 98.75 ZAP 7.05 ETS 16.18 ZAE 150.57 ETE 17.42 ZAC 89.70 ETC 13.67 CLP -6.75

PLANETOCENTRIC CONIC

C3 16.503 VHL 4.062 DLA -13.59 RAL 157.73 RAD 6567.7 VEL 11.742 PTH 2.07 VHP 8.165 DPA 2.70 RAP 177.05 ECC 1.2716
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 4 26 1733.24 -5.73 12.95 15.13 117.78 6 33 20 1133.2 -1.97 6.29
 90.00 14 29 45 5249.77 26.74 236.76 20.31 80.32 15 57 15 4649.8 25.13 228.47
 100.00 7 18 39 1493.82 -6.78 354.77 14.55 119.18 7 43 32 893.8 -2.84 348.20
 100.00 15 58 14 4964.42 27.92 215.53 20.07 78.87 17 20 59 4364.4 26.10 207.20
 110.00 8 10 52 1330.28 -9.52 340.70 12.88 122.99 8 33 2 730.3 -5.11 334.38
 110.00 17 22 31 4700.73 31.03 194.68 19.24 74.89 18 40 51 4100.7 28.65 186.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4489 TRA -.5500 TC3 .7455 BAU .1684
 RDE -.2668 RRA -.0939 RC3 .1641 FAU .03776
 FDE -.6569 FRA .2582 FC3-1.9809 BSP 3630
 BDE .5222 BRA .5580 BC3 .7633 FSP -433

SGT 1185.2 SGR 421.9 SG3 163.7
 RRT -.0974 RRF .1039 RTF -.8286
 SGB 1258.0 R23 -.0116 R13 .8288
 SG1 1186.0 SG2 419.6 THA 177.73

ST 677.1 SR 378.6 SS 659.3
 CRT -.8910 CRS -.9720 CST .9709
 LSA 1004.1 MSA 166.7 SSA 20.0
 EL1 760.5 EL2 153.0 ALF 152.30

LAUNCH DATE JUN 16 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 239.389

RL 151.97 LAL -.00 LOL 264.19 VL 25.791 GAL -1.19 AZL 93.27 HCA 101.98 SMA 122.72 ECC .23920 INC 3.2651 V1 29.317
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.906 GAP -12.19 AZP 89.32 TAL 183.81 TAP 285.79 RCA 93.36 APO 152.07 V2 34.886
 RC 49.776 GL -21.97 GP -2.20 ZAL 100.17 ZAP 9.14 ETS 13.19 ZAE 149.44 ETE 15.82 ZAC 88.71 ETC 13.65 CLP -8.87

PLANETOCENTRIC CONIC

C3 15.405 VHL 3.925 DLA -13.69 RAL 156.03 RAD 6567.6 VEL 11.696 PTH 2.06 VHP 7.699 DPA 2.12 RAP 177.95 ECC 1.2535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 32 1714.14 -5.12 11.87 12.49 117.89 6 27 7 1114.1 -1.35 5.22
 90.00 14 22 6 5237.61 26.60 235.90 17.48 79.91 15 49 24 4637.6 24.93 227.63
 100.00 7 12 41 1474.93 -6.16 353.72 11.93 119.31 7 37 16 874.9 -2.20 347.16
 100.00 15 50 39 4952.04 27.76 214.65 17.23 78.43 17 13 11 4352.0 25.88 206.35
 110.00 8 4 45 1311.84 -8.84 339.71 10.29 123.16 8 26 37 711.8 -4.41 333.41
 110.00 17 15 4 4687.90 30.80 193.75 16.39 74.39 18 33 12 4087.9 28.35 185.40

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4521 TRA -.5180 TC3 .8461 BAU .1775 SGT 1217.6 SGR 416.0 SG3 183.0 ST 700.4 SR 375.2 SS 696.2
 RDE -.2556 RRA -.0873 RC3 .1642 FAU .04107 RRT -.1158 RRF .1233 RTF -.8385 CRT -.9019 CRS -.9770 CST .9713
 FDE -.7124 FRA .2334 FC3-Z.3080 BSP 3767 SGB 1286.7 R23 -.0137 R13 .8388 LSA 1043.6 MSA 163.1 SSA 20.4
 BDE .5194 BRA .5253 BC3 .8619 FSP -492 SG1 1218.7 SG2 412.8 THA 177.44 EL1 781.2 EL2 145.3 ALF 153.21

LAUNCH DATE JUN 16 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 246.105

RL 151.97 LAL -.00 LOL 264.19 VL 25.940 GAL -1.35 AZL 93.24 HCA 105.16 SMA 123.60 ECC .23066 INC 3.2380 V1 29.317
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.021 GAP -11.40 AZP 89.15 TAL 184.50 TAP 289.67 RCA 95.09 APO 152.11 V2 34.897
 RC 51.201 GL -22.65 GP -2.38 ZAL 101.61 ZAP 11.33 ETS 11.29 ZAE 148.52 ETE 14.37 ZAC 87.82 ETC 13.64 CLP -11.08

PLANETOCENTRIC CONIC

C3 14.464 VHL 3.803 DLA -13.73 RAL 154.34 RAD 6567.6 VEL 11.655 PTH 2.05 VHP 7.254 DPA 1.56 RAP 178.77 ECC 1.2380
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 9 1698.66 -4.63 11.00 9.95 117.97 6 20 27 1098.7 -.85 4.36
 90.00 14 15 0 5224.93 26.44 235.01 14.75 79.49 15 42 5 4624.9 24.73 226.76
 100.00 7 6 15 1459.55 -5.64 352.86 9.40 119.40 7 30 35 859.5 -1.68 346.32
 100.00 15 43 34 4939.28 27.58 213.74 14.50 77.99 17 5 53 4339.3 25.64 205.48
 110.00 7 58 16 1296.64 -8.27 338.90 7.79 123.29 8 19 53 696.6 -3.83 332.62
 110.00 17 8 3 4674.95 30.56 192.82 13.64 73.88 18 25 58 4075.0 28.05 184.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4527 TRA -.4872 TC3 .9456 BAU .1855 SGT 1246.4 SGR 409.3 SG3 204.8 ST 719.0 SR 371.7 SS 733.0
 RDE -.2455 RRA -.0812 RC3 .1609 FAU .04480 RRT -.1353 RRF .1449 RTF -.8469 CRT -.9112 CRS -.9813 CST .9714
 FDE -.7726 FRA .2055 FC3-2.6816 BSP 3864 SGB 1311.9 R23 -.0170 R13 .8473 LSA 1079.9 MSA 160.5 SSA 20.7
 BDE .5150 BRA .4940 BC3 .9592 FSP -556 SG1 1247.8 SG2 405.1 THA 177.16 EL1 797.6 EL2 138.0 ALF 153.94

LAUNCH DATE JUN 16 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 252.814

RL 151.97 LAL -.00 LOL 264.19 VL 26.075 GAL -1.49 AZL 93.21 HCA 108.35 SMA 124.41 ECC .22292 INC 3.2101 V1 29.317
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.126 GAP -10.63 AZP 88.99 TAL 185.21 TAP 293.56 RCA 96.68 APO 152.15 V2 34.908
 RC 52.722 GL -23.26 GP -2.59 ZAL 103.05 ZAP 13.64 ETS 10.00 ZAE 147.85 ETE 13.05 ZAC 87.02 ETC 13.65 CLP -13.39

PLANETOCENTRIC CONIC

C3 13.660 VHL 3.696 DLA -13.72 RAL 152.68 RAD 6567.5 VEL 11.621 PTH 2.04 VHP 6.830 DPA 1.01 RAP 179.48 ECC 1.2248
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 21 1686.67 -4.25 10.33 7.53 118.02 6 13 28 1086.7 -.46 3.69
 90.00 14 8 30 5211.73 26.28 234.08 12.14 79.05 15 35 22 4611.7 24.50 225.86
 100.00 6 59 28 1447.51 -5.24 352.20 6.98 119.47 7 23 36 847.5 -1.28 345.65
 100.00 15 37 4 4926.12 27.39 212.81 11.88 77.53 16 59 10 4326.1 25.40 204.58
 110.00 7 51 31 1284.53 -7.82 338.25 5.40 123.38 8 12 55 684.5 -3.37 331.98
 110.00 17 1 31 4661.87 30.31 191.88 11.02 73.38 18 19 13 4061.9 27.74 183.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4532 TRA -.4564 TC3 1.0444 BAU .1928 SGT 1272.8 SGR 402.3 SG3 229.6 ST 736.2 SR 368.3 SS 772.0
 RDE -.2364 RRA -.0757 RC3 .1539 FAU .04908 RRT -.1595 RRF .1712 RTF -.8548 CRT -.9203 CRS -.9850 CST .9716
 FDE -.8411 FRA .1723 FC3-3.1108 BSP 3976 SGB 1334.9 R23 -.0204 R13 .8553 LSA 1117.2 MSA 158.1 SSA 20.9
 BDE .5112 BRA .4626 BC3 1.0557 FSP -632 SG1 1274.6 SG2 396.6 THA 176.80 EL1 812.8 EL2 130.5 ALF 154.58

LAUNCH DATE JUN 16 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 259.512

RL 151.97 LAL -.00 LOL 264.19 VL 26.197 GAL -1.63 AZL 93.18 HCA 111.53 SMA 125.16 ECC .21594 INC 3.1812 V1 29.317
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.223 GAP -9.89 AZP 88.83 TAL 185.93 TAP 297.46 RCA 98.14 APO 152.19 V2 34.920
 RC 54.330 GL -23.80 GP -2.82 ZAL 104.46 ZAP 16.06 ETS 9.07 ZAE 147.43 ETE 11.81 ZAC 86.35 ETC 13.67 CLP -15.82

PLANETOCENTRIC CONIC

C3 12.971 VHL 3.602 DLA -13.64 RAL 151.06 RAD 6567.5 VEL 11.591 PTH 2.03 VHP 6.426 DPA .49 RAP 180.07 ECC 1.2135
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 38 17 1677.92 -3.97 9.84 5.23 118.06 6 6 15 1077.9 -.18 3.20
 90.00 14 2 42 5198.04 26.10 233.12 9.66 78.60 15 29 20 4598.0 24.26 224.93
 100.00 6 52 27 1438.61 -4.94 351.71 4.69 119.52 7 16 26 838.6 -.97 345.17
 100.00 15 31 12 4912.58 27.19 211.86 9.40 77.07 16 53 5 4312.6 25.13 203.66
 110.00 7 44 36 1275.30 -7.47 337.76 3.13 123.45 8 5 51 675.3 -3.02 331.50
 110.00 16 55 33 4648.65 30.05 190.94 8.52 72.88 18 13 2 4048.7 27.41 182.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4525 TRA -.4252 TC3 1.1403 BAU .1993 SGT 1295.1 SGR 394.9 SG3 257.8 ST 749.9 SR 364.9 SS 812.1
 RDE -.2283 RRA -.0709 RC3 .1426 FAU .05395 RRT -.1882 RRF .2021 RTF -.8623 CRT -.9286 CRS -.9883 CST .9718
 FDE -.9171 FRA .1332 FC3-3.6009 BSP 4093 SGB 1354.0 R23 -.0243 R13 .8629 LSA 1153.4 MSA 156.1 SSA 21.0
 BDE .5068 BRA .4311 BC3 1.1492 FSP -720 SG1 1297.5 SG2 387.2 THA 176.39 EL1 824.9 EL2 123.1 ALF 155.09

LAUNCH DATE JUN 16 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 266.197

RL 151.97 LAL -1.00 LOL 264.19 VL 26.307 GAL -1.75 AZL 93.15 HCA 114.72 SMA 125.85 ECC .20967 INC 3.1509 V1 29.317
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.312 GAP -9.17 AZP 88.68 TAL 186.63 TAP 301.35 RCA 99.46 APO 152.24 V2 34.932
 RC 56.016 GL -24.25 GP -3.09 ZAL 105.83 ZAP 18.62 ETS 8.38 ZAE 147.28 ETE 10.63 ZAC 85.80 ETC 13.69 CLP -18.37

PLANETOCENTRIC CONIC

C3 12.381 VHL 3.519 DLA -13.52 RAL 149.52 RAD 6567.5 VEL 11.566 PTH 2.02 VHP 6.043 DPA -.01 RAP 180.54 ECC 1.2038
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 4 1672.15 -3.78 9.51 3.07 118.08 5 58 56 1072.1 .00 2.88
 90.00 13 57 35 5183.89 25.90 232.12 7.33 78.14 15 23 59 4583.9 24.01 223.97
 100.00 6 45 19 1432.58 -4.74 351.37 2.54 119.55 7 9 11 832.6 -.77 344.84
 100.00 15 26 1 4898.69 26.97 210.88 7.07 76.60 16 47 40 4298.7 24.86 202.72
 110.00 7 37 38 1268.72 -7.22 337.41 1.01 123.50 7 58 47 668.7 -2.77 331.16
 110.00 16 50 12 4635.31 29.78 189.99 6.18 72.38 18 7 27 4035.3 27.08 181.84

DIFFERENTIAL CORRECTIONS

TDE .4490 TRA -.3958 TC3 1.2242 BAU .2037
 RDE -.2212 RRA -.0667 RC3 .1266 FAU .05946
 FDE-1.0024 FRA .0884 FC3-4.1580 BSP 4164
 BDE .5005 BRA .4014 BC3 1.2308 FSP -819

MID-COURSE EXECUTION ACCURACY

SGT 1310.0 SGR 387.6 SG3 289.8
 RRT -.2216 RRF .2390 RTF -.8677
 SGB 1366.2 R23 -.0301 R13 .8685
 SG1 1313.1 SGT 377.0 THA 175.91

ORBIT DETERMINATION ACCURACY

ST 758.1 SR 361.8 SS 853.8
 CRT -.9356 CRS -.9909 CST .9716
 LSA 1187.5 MSA 155.1 SSA 21.0
 EL1 831.9 EL2 116.4 ALF 155.43

LAUNCH DATE JUN 16 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 272.869

RL 151.97 LAL -1.00 LOL 264.19 VL 26.406 GAL -1.87 AZL 93.12 HCA 117.91 SMA 126.48 ECC .20406 INC 3.1190 V1 29.317
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.393 GAP -8.48 AZP 88.54 TAL 187.32 TAP 305.23 RCA 100.67 APO 152.29 V2 34.945
 RC 57.772 GL -24.63 GP -3.39 ZAL 107.14 ZAP 21.33 ETS 7.87 ZAE 147.39 ETE 9.47 ZAC 85.41 ETC 13.72 CLP -21.07

PLANETOCENTRIC CONIC

C3 11.874 VHL 3.446 DLA -13.36 RAL 148.06 RAD 6567.5 VEL 11.544 PTH 2.01 VHP 5.680 DPA -.49 RAP 180.86 ECC 1.1954
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 48 1669.06 -3.68 9.34 1.07 118.10 5 51 37 1069.1 .10 2.71
 90.00 13 53 14 5169.32 25.69 231.11 5.16 77.67 15 19 23 4569.3 23.74 222.98
 100.00 6 38 10 1429.13 -4.62 351.18 .55 119.57 7 1 59 829.1 -.65 344.65
 100.00 15 21 33 4884.48 26.74 209.89 4.89 76.12 16 42 58 4284.5 24.57 201.76
 110.00 7 30 43 1264.53 -7.07 337.19 359.04 123.53 7 51 48 664.5 -2.61 330.94
 110.00 16 45 29 4621.84 29.50 189.05 4.00 71.88 18 2 31 4021.8 26.74 180.95

DIFFERENTIAL CORRECTIONS

TDE .4419 TRA -.3694 TC3 1.2938 BAU .2061
 RDE -.2150 RRA -.0631 RC3 .1055 FAU .06567
 FDE-1.0948 FRA .0401 FC3-4.7880 BSP 4190
 BDE .4914 BRA .3748 BC3 1.2981 FSP -930

MID-COURSE EXECUTION ACCURACY

SGT 1316.6 SGR 380.3 SG3 325.7
 RRT -.2590 RRF .2814 RTF -.8711
 SGB 1370.4 R23 -.0381 R13 .8722
 SG1 1320.6 SGT 366.3 THA 175.36

ORBIT DETERMINATION ACCURACY

ST 759.2 SR 358.9 SS 894.8
 CRT -.9411 CRS -.9930 CST .9710
 LSA 1217.0 MSA 155.2 SSA 20.8
 EL1 832.4 EL2 110.7 ALF 155.56

LAUNCH DATE JUN 16 1967

FLIGHT TIME 106.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 279.525

RL 151.97 LAL -1.00 LOL 264.19 VL 26.495 GAL -1.97 AZL 93.09 HCA 121.10 SMA 127.04 ECC .19907 INC 3.0851 V1 29.317
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.468 GAP -7.82 AZP 88.41 TAL 187.98 TAP 309.08 RCA 101.75 APO 152.33 V2 34.957
 RC 59.590 GL -24.92 GP -3.74 ZAL 108.38 ZAP 24.21 ETS 7.48 ZAE 147.79 ETE 8.31 ZAC 85.18 ETC 13.76 CLP -23.94

PLANETOCENTRIC CONIC

C3 11.438 VHL 3.382 DLA -13.15 RAL 146.71 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 5.338 DPA -.94 RAP 181.01 ECC 1.1882
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 37 1668.35 -3.66 9.30 359.22 118.10 5 44 25 1068.4 .13 2.67
 90.00 13 49 38 5154.37 25.47 230.07 3.16 77.20 15 15 32 4554.4 23.46 221.98
 100.00 6 31 6 1427.99 -4.59 351.12 358.71 119.57 6 54 54 828.0 -.61 344.58
 100.00 15 17 49 4869.97 26.50 208.87 2.88 75.64 16 38 59 4270.0 24.27 200.79
 110.00 7 23 57 1262.47 -6.99 337.08 357.23 123.55 7 45 0 662.5 -2.53 330.83
 110.00 16 41 28 4608.25 29.20 188.10 1.98 71.39 17 58 16 4008.3 26.39 180.05

DIFFERENTIAL CORRECTIONS

TDE .4330 TRA -.3438 TC3 1.3494 BAU .2067
 RDE -.2097 RRA -.0602 RC3 .0783 FAU .07273
 FDE-1.1998 FRA -.0162 FC3-5.5052 BSP 4192
 BDE .4811 BRA .3490 BC3 1.3517 FSP -1056

MID-COURSE EXECUTION ACCURACY

SGT 1315.0 SGR 374.1 SG3 366.5
 RRT -.3042 RRF .3325 RTF -.8735
 SGB 1367.1 R23 -.0482 R13 .8750
 SG1 1320.3 SGT 354.9 THA 174.67

ORBIT DETERMINATION ACCURACY

ST 755.8 SR 356.6 SS 938.8
 CRT -.9459 CRS -.9947 CST .9703
 LSA 1247.0 MSA 155.6 SSA 20.5
 EL1 829.0 EL2 105.5 ALF 155.53

LAUNCH DATE JUN 16 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 286.164

RL 151.97 LAL -1.00 LOL 264.19 VL 26.574 GAL -2.06 AZL 93.05 HCA 124.29 SMA 127.55 ECC .19464 INC 3.0488 V1 29.317
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.535 GAP -7.18 AZP 88.28 TAL 188.60 TAP 312.89 RCA 102.73 APO 152.38 V2 34.970
 RC 61.464 GL -25.13 GP -4.14 ZAL 109.54 ZAP 27.28 ETS 7.18 ZAE 148.49 ETE 7.11 ZAC 85.14 ETC 13.80 CLP -26.99

PLANETOCENTRIC CONIC

C3 11.059 VHL 3.326 DLA -12.91 RAL 145.47 RAD 6567.4 VEL 11.509 PTH 2.00 VHP 5.015 DPA -1.36 RAP 180.98 ECC 1.1820
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 34 1669.75 -3.70 9.38 357.54 118.09 5 37 24 1069.8 .08 2.75
 90.00 13 46 48 5139.06 25.24 229.01 1.33 76.72 15 12 27 4539.1 23.16 220.96
 100.00 6 24 14 1428.88 -4.62 351.17 357.04 119.57 6 48 3 828.9 -.64 344.63
 100.00 15 14 50 4855.17 26.25 207.85 1.05 75.16 16 35 45 4255.2 23.95 199.80
 110.00 7 17 25 1262.29 -6.98 337.07 355.58 123.55 7 38 27 662.3 -2.52 330.82
 110.00 16 38 8 4594.52 28.90 187.14 .13 70.90 17 54 42 3994.5 26.02 179.14

DIFFERENTIAL CORRECTIONS

TDE .4208 TRA -.3204 TC3 1.3868 BAU .2051
 RDE -.2052 RRA -.0579 RC3 .0444 FAU .08074
 FDE-1.3150 FRA -.0802 FC3-6.3208 BSP 4167
 BDE .4682 BRA .3256 BC3 1.3875 FSP -1202

MID-COURSE EXECUTION ACCURACY

SGT 1302.7 SGR 369.3 SG3 412.8
 RRT -.3559 RRF .3920 RTF -.8740
 SGB 1354.1 R23 -.0617 R13 .8761
 SG1 1309.8 SGT 343.2 THA 173.81

ORBIT DETERMINATION ACCURACY

ST 745.2 SR 354.9 SS 983.5
 CRT -.9495 CRS -.9960 CST .9691
 LSA 1274.2 MSA 156.8 SSA 20.1
 EL1 819.1 EL2 101.3 ALF 155.26

LAUNCH DATE JUN 16 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 292.785

RL 151.97 LAL -.00 LOL 264.19 VL 26.643 GAL -2.15 AZL 93.01 HCA 127.49 SMA 128.01 ECC .19073 INC 3.0097 V1 29.317
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.597 GAP -6.56 AZP 88.17 TAL 189.18 TAP 316.67 RCA 103.60 APO 152.43 V2 34.983
 RC 63.388 GL -25.26 GP -4.60 ZAL 110.61 ZAP 30.56 ETS 6.95 ZAE 149.50 ETE 5.81 ZAC 85.32 ETC 13.83 CLP -30.25

PLANETOCENTRIC CONIC

C3 10.728 VHL 3.275 DLA -12.63 RAL 144.36 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 4.714 DPA -1.76 RAP 180.73 ECC 1.1766
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 2 46 1673.00 -3.81 9.56 356.03 118.08 5 30 39 1073.0 -0.02 2.93
 90.00 13 44 45 5123.38 24.99 227.93 359.67 76.23 15 10 9 4523.4 22.85 219.91
 100.00 6 17 36 1431.56 -4.71 351.32 355.54 119.55 6 41 28 831.6 -.73 344.78
 100.00 15 12 36 4840.06 25.98 206.80 359.38 74.67 16 33 17 4240.1 23.62 198.80
 110.00 7 11 11 1263.77 -7.04 337.15 354.10 123.54 7 32 14 663.8 -2.58 330.90
 110.00 16 35 31 4580.61 28.59 186.18 358.46 70.41 17 51 52 3980.6 25.65 178.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4062 TRA -.2990 TC3 1.4050 BAU .2015
 RDE -.2018 RRA -.0563 RC3 .0026 FAU .08978
 FDE -1.4430 FRA -.1507 FC3 -7.2451 BSP 4131
 BDE .4536 BRA .3042 BC3 1.4050 FSP -1370

SGT 1280.4 SGR 367.2 SG3 465.0
 RRT -.4153 RRF .4607 RTF -.8731
 SGB 1332.0 R23 -.0791 R13 .8762
 SG1 1290.1 SG2 331.5 THA 172.72

ST 729.0 SR 354.4 SS 1030.2
 CRT -.9522 CRS -.9970 CST .9677
 LSA 1301.2 MSA 158.0 SSA 159.5
 EL1 804.6 EL2 98.0 ALF 154.76

LAUNCH DATE JUN 16 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 299.387

RL 151.97 LAL -.00 LOL 264.19 VL 26.705 GAL -2.22 AZL 92.97 HCA 130.69 SMA 128.42 ECC .18730 INC 2.9670 V1 29.317
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.653 GAP -5.96 AZP 88.06 TAL 189.70 TAP 320.39 RCA 104.36 APO 152.47 V2 34.996
 RC 65.357 GL -25.31 GP -5.13 ZAL 111.59 ZAP 34.07 ETS 6.77 ZAE 150.83 ETE 4.34 ZAC 85.73 ETC 13.86 CLP -33.73

PLANETOCENTRIC CONIC

C3 10.436 VHL 3.230 DLA -12.32 RAL 143.39 RAD 6567.4 VEL 11.481 PTH 2.00 VHP 4.433 DPA -2.13 RAP 180.25 ECC 1.1717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 56 15 1677.88 -3.96 9.84 354.69 118.06 5 24 13 1077.9 -.18 3.20
 90.00 13 43 30 5107.27 24.72 226.82 358.18 75.74 15 8 38 4507.3 22.52 218.85
 100.00 6 11 17 1435.81 -4.85 351.55 354.20 119.53 6 35 13 835.8 -.88 345.01
 100.00 15 11 10 4824.58 25.70 205.74 357.89 74.18 16 31 34 4224.6 23.28 197.78
 110.00 7 5 17 1266.70 -7.15 337.30 352.79 123.52 7 26 23 666.7 -2.69 331.05
 110.00 16 33 39 4566.45 28.26 185.21 356.96 69.92 17 49 46 3966.5 25.27 177.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3862 TRA -.2817 TC3 1.3910 BAU .1942
 RDE -.1994 RRA -.0553 RC3 -.0481 FAU .09980
 FDE -1.5804 FRA -.2273 FC3 -8.2789 BSP 4014
 BDE .4346 BRA .2871 BC3 1.3918 FSP -1555

SGT 1240.3 SGR 369.0 SG3 523.0
 RRT -.4781 RRF .5368 RTF -.8679
 SGB 1294.0 R23 -.1048 R13 .8727
 SG1 1253.7 SG2 320.6 THA 171.33

ST 702.4 SR 355.0 SS 1076.4
 CRT -.9531 CRS -.9977 CST .9651
 LSA 1323.7 MSA 160.1 SSA 18.9
 EL1 781.1 EL2 96.6 ALF 153.85

LAUNCH DATE JUN 16 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 305.969

RL 151.97 LAL -.00 LOL 264.19 VL 26.758 GAL -2.28 AZL 92.92 HCA 133.89 SMA 128.77 ECC .18432 INC 2.9200 V1 29.317
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.703 GAP -5.38 AZP 87.97 TAL 190.17 TAP 324.06 RCA 105.04 APO 152.51 V2 35.009
 RC 67.365 GL -25.28 GP -5.75 ZAL 112.46 ZAP 37.84 ETS 6.62 ZAE 152.48 ETE 2.60 ZAC 86.39 ETC 13.87 CLP -37.46

PLANETOCENTRIC CONIC

C3 10.173 VHL 3.189 DLA -11.98 RAL 142.56 RAD 6567.4 VEL 11.470 PTH 1.99 VHP 4.174 DPA -2.47 RAP 179.52 ECC 1.1674
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 3 1684.27 -4.17 10.19 353.52 118.03 5 18 8 1084.3 -.39 3.56
 90.00 13 43 4 5090.63 24.44 225.69 356.87 75.23 15 7 55 4490.6 22.17 217.75
 100.00 6 5 18 1441.52 -5.04 351.87 353.04 119.50 6 29 19 841.5 -1.07 345.33
 100.00 15 10 31 4808.61 25.40 204.65 356.57 73.68 16 30 40 4208.6 22.91 196.73
 110.00 6 59 45 1270.96 -7.31 337.53 351.65 123.49 7 20 56 671.0 -2.85 331.27
 110.00 16 32 33 4551.92 27.92 184.22 355.63 69.42 17 48 25 3951.9 24.86 176.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3613 TRA -.2690 TC3 1.3443 BAU .1834
 RDE -.1981 RRA -.0549 RC3 -.1091 FAU .11077
 FDE -1.7256 FRA -.3053 FC3 -9.4269 BSP 3836
 BDE .4120 BRA .2745 BC3 1.3488 FSP -1758

SGT 1183.4 SGR 376.4 SG3 586.5
 RRT -.5406 RRF .6177 RTF -.8578
 SGB 1241.9 R23 -.1417 R13 .8656
 SG1 1202.1 SG2 311.7 THA 169.53

ST 666.2 SR 357.1 SS 1121.5
 CRT -.9520 CRS -.9982 CST .9613
 LSA 1342.5 MSA 162.5 SSA 18.2
 EL1 749.6 EL2 97.1 ALF 152.46

LAUNCH DATE JUN 16 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 312.531

RL 151.97 LAL -.00 LOL 264.19 VL 26.804 GAL -2.32 AZL 92.87 HCA 137.09 SMA 129.08 ECC .18174 INC 2.8675 V1 29.317
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.748 GAP -4.82 AZP 87.90 TAL 190.57 TAP 327.66 RCA 105.62 APO 152.54 V2 35.023
 RC 69.409 GL -25.16 GP -6.47 ZAL 113.22 ZAP 41.87 ETS 6.48 ZAE 154.46 ETE .43 ZAC 87.34 ETC 13.86 CLP -41.46

PLANETOCENTRIC CONIC

C3 9.932 VHL 3.152 DLA -11.60 RAL 141.88 RAD 6567.4 VEL 11.460 PTH 1.99 VHP 3.938 DPA -2.81 RAP 178.50 ECC 1.1635
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 44 11 1692.11 -4.42 10.63 352.52 118.00 5 12 23 1092.1 -.64 3.99
 90.00 13 43 30 5073.23 24.13 224.50 355.72 74.72 15 8 3 4473.2 21.80 216.61
 100.00 5 59 39 1448.63 -5.28 352.26 352.05 119.47 6 23 48 848.6 -1.31 345.72
 100.00 15 10 43 4791.95 25.07 203.52 355.42 73.17 16 30 35 4191.9 22.53 195.64
 110.00 6 54 37 1276.51 -7.52 337.82 350.67 123.45 7 15 53 676.5 -3.07 331.56
 110.00 16 32 15 4536.83 27.55 183.20 354.47 68.92 17 47 52 3936.8 24.44 175.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3329 TRA -.2584 TC3 1.2673 BAU .1700
 RDE -.1982 RRA -.0555 RC3 -.1835 FAU .12288
 FDE -1.8809 FRA -.3914 FC3 -10.7108 BSP 3637
 BDE .3874 BRA .2643 BC3 1.2805 FSP -1992

SGT 1111.0 SGR 392.1 SG3 656.9
 RRT -.5991 RRF .7002 RTF -.8422
 SGB 1178.2 R23 -.1920 R13 .8557
 SG1 1137.6 SG2 306.6 THA 167.11

ST 622.5 SR 361.6 SS 1167.7
 CRT -.9492 CRS -.9985 CST .9561
 LSA 1361.7 MSA 164.8 SSA 17.4
 EL1 713.0 EL2 99.4 ALF 150.50

LAUNCH DATE JUN 16 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 319.073

RL 151.97 LAL -.00 LOL 264.19 VL 26.844 GAL -2.36 AZL 92.81 HCA 140.30 SMA 129.35 ECC .17952 INC 2.8083 V1 29.317
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.788 GAP -4.27 AZP 87.84 TAL 190.91 TAP 331.20 RCA 106.13 APO 152.57 V2 35.036
 RC 71.485 GL -24.95 GP -7.31 ZAL 113.88 ZAP 46.18 ETS 6.34 ZAE 156.75 ETE 357.58 ZAC 88.58 ETC 13.81 CLP -45.73

PLANETOCENTRIC CONIC

C3 9.707 VHL 3.116 DLA -11.19 RAL 141.35 RAD 6567.4 VEL 11.450 PTH 1.99 VHP 3.724 DPA -3.14 RAP 177.19 ECC 1.1598
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 38 37 1701.48 -4.72 11.16 351.69 117.95 5 6 59 1101.5 -.94 4.51
 90.00 13 44 51 5054.78 23.80 223.26 354.73 74.18 15 9 6 4454.8 21.40 215.41
 100.00 5 54 20 1457.19 -5.56 352.73 351.23 119.42 6 18 37 857.2 -1.60 346.19
 100.00 15 11 49 4774.30 24.72 202.33 354.43 72.63 16 31 23 4174.3 22.11 194.50
 110.00 6 49 50 1283.37 -7.77 338.19 349.87 123.39 7 11 14 683.4 -3.33 331.92
 110.00 16 32 48 4520.88 27.16 182.12 353.47 68.40 17 48 9 3920.9 23.98 174.40

DIFFERENTIAL CORRECTIONS

TDE .2982 TRA -.2539 TC3 1.1441 BAU .1526
 RDE -.1996 RRA -.0565 RC3 -.2728 FAU .13568
 FDE-2.0358 FRA -.4724 FC-12.1001 BSP 3342
 BDE .3588 BRA .2601 BC3 1.1761 FSP -2234

MID-COURSE EXECUTION ACCURACY

SGT 1017.6 SGR 418.1 SG3 731.3
 RRT -.6394 RRF .7769 RTF -.8134
 SGB 1100.1 R23 -.2638 R13 .8388
 SG1 1055.6 SG2 309.9 THA 163.85

ORBIT DETERMINATION ACCURACY

ST 567.1 SR 368.4 SS 1209.9
 CRT -.9422 CRS -.9988 CST .9473
 LSA 1375.8 MSA 167.5 SSA 16.6
 EL1 668.1 EL2 104.8 ALF 147.63

LAUNCH DATE JUN 16 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 325.593

RL 151.97 LAL -.00 LOL 264.19 VL 26.877 GAL -2.39 AZL 92.74 HCA 143.50 SMA 129.57 ECC .17764 INC 2.7405 V1 29.317
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.824 GAP -3.75 AZP 87.80 TAL 191.17 TAP 334.67 RCA 106.55 APO 152.59 V2 35.049
 RC 73.590 GL -24.63 GP -8.29 ZAL 114.44 ZAP 50.78 ETS 6.18 ZAE 159.32 ETE 353.62 ZAC 90.12 ETC 13.71 CLP -50.29

PLANETOCENTRIC CONIC

C3 9.491 VHL 3.081 DLA -10.72 RAL 140.98 RAD 6567.3 VEL 11.440 PTH 1.98 VHP 3.536 DPA -3.48 RAP 175.57 ECC 1.1562
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 18 1712.59 -5.07 11.78 351.03 117.90 5 1 50 1112.6 -1.30 5.13
 90.00 13 47 14 5034.82 23.42 221.92 353.91 73.61 15 11 9 4434.8 20.95 214.11
 100.00 5 49 17 1467.42 -5.91 353.30 350.57 119.36 6 13 44 867.4 -1.95 346.75
 100.00 15 13 55 4755.22 24.33 201.05 353.60 72.07 16 33 11 4155.2 21.65 193.27
 110.00 6 45 23 1291.72 -8.08 338.63 349.24 123.33 7 6 55 691.7 -3.64 332.36
 110.00 16 34 18 4503.69 26.72 180.98 352.63 67.84 17 49 22 3903.7 23.48 173.32

DIFFERENTIAL CORRECTIONS

TDE .2580 TRA -.2538 TC3 .9745 BAU .1327
 RDE -.2025 RRA -.0581 RC3 -.3806 FAU .14891
 FDE-2.1840 FRA -.5478 FC-13.5829 BSP 2996
 BDE .3280 BRA .2604 BC3 1.0462 FSP -2487

MID-COURSE EXECUTION ACCURACY

SGT 906.4 SGR 457.1 SG3 808.7
 RRT -.6485 RRF .8429 RTF -.7633
 SGB 1015.1 R23 -.3559 R13 .8154
 SG1 960.6 SG2 328.3 THA 159.37

ORBIT DETERMINATION ACCURACY

ST 501.4 SR 378.2 SS 1246.7
 CRT -.9289 CRS -.9990 CST .9328
 LSA 1385.5 MSA 170.2 SSA 15.7
 EL1 617.6 EL2 113.7 ALF 143.55

LAUNCH DATE JUN 16 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 332.093

RL 151.97 LAL -.00 LOL 264.19 VL 26.904 GAL -2.40 AZL 92.66 HCA 146.71 SMA 129.76 ECC .17607 INC 2.6615 V1 29.317
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.855 GAP -3.23 AZP 87.77 TAL 191.36 TAP 338.07 RCA 106.91 APO 152.60 V2 35.062
 RC 75.721 GL -24.19 GP -9.44 ZAL 114.89 ZAP 55.67 ETS 5.97 ZAE 162.07 ETE 347.82 ZAC 91.96 ETC 13.54 CLP -55.13

PLANETOCENTRIC CONIC

C3 9.278 VHL 3.046 DLA -10.18 RAL 140.78 RAD 6567.3 VEL 11.431 PTH 1.98 VHP 3.373 DPA -3.88 RAP 173.62 ECC 1.1527
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 28 6 1725.88 -5.50 12.53 350.53 117.82 4 56 52 1125.9 -1.73 5.88
 90.00 13 50 48 5012.66 22.98 220.44 353.23 72.99 15 14 21 4412.7 20.44 212.69
 100.00 5 44 24 1479.73 -6.32 353.98 350.08 119.28 6 9 3 879.7 -2.37 347.42
 100.00 15 17 11 4734.04 23.87 199.63 352.92 71.46 16 36 5 4134.0 21.12 191.92
 110.00 6 41 11 1301.89 -8.46 339.18 348.77 123.24 7 2 53 701.9 -4.03 332.89
 110.00 16 36 53 4484.64 26.23 179.72 351.94 67.25 17 51 38 3884.6 22.91 172.13

DIFFERENTIAL CORRECTIONS

TDE .2136 TRA -.2571 TC3 .7580 BAU .1135
 RDE -.2072 RRA -.0604 RC3 -.5121 FAU .16235
 FDE-2.3186 FRA -.6154 FC-15.1493 BSP 2652
 BDE .2976 BRA .2641 BC3 .9147 FSP -2751

MID-COURSE EXECUTION ACCURACY

SGT 784.9 SGR 512.4 SG3 887.8
 RRT -.6064 RRF .8955 RTF -.6740
 SGB 937.4 R23 -.4528 R13 .7899
 SG1 860.6 SG2 371.6 THA 152.97

ORBIT DETERMINATION ACCURACY

ST 428.2 SR 391.4 SS 1277.6
 CRT -.9047 CRS -.9992 CST .9077
 LSA 1392.4 MSA 172.6 SSA 14.8
 EL1 566.2 EL2 126.1 ALF 137.84

LAUNCH DATE JUN 16 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 338.571

RL 151.97 LAL -.00 LOL 264.19 VL 26.926 GAL -2.40 AZL 92.57 HCA 149.93 SMA 129.91 ECC .17478 INC 2.5677 V1 29.317
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.883 GAP -2.74 AZP 87.78 TAL 191.47 TAP 341.40 RCA 107.20 APO 152.61 V2 35.075
 RC 77.874 GL -23.60 GP -10.80 ZAL 115.25 ZAP 60.82 ETS 5.67 ZAE 164.80 ETE 338.86 ZAC 94.10 ETC 13.27 CLP -60.24

PLANETOCENTRIC CONIC

C3 9.061 VHL 3.010 DLA -9.55 RAL 140.75 RAD 6567.3 VEL 11.422 PTH 1.98 VHP 3.237 DPA -4.36 RAP 171.36 ECC 1.1491
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 52 1742.09 -6.01 13.45 350.20 117.72 4 51 54 1142.1 -2.25 6.78
 90.00 13 55 49 4987.28 22.47 218.75 352.70 72.30 15 18 56 4387.3 19.84 211.07
 100.00 5 39 31 1494.79 -6.82 354.82 349.76 119.17 6 4 26 894.8 -2.88 348.25
 100.00 15 21 51 4709.81 23.34 198.03 352.38 70.77 16 40 21 4109.8 20.50 190.38
 110.00 6 37 6 1314.50 -8.93 339.85 348.47 123.13 6 59 1 714.5 -4.51 333.55
 110.00 16 40 46 4462.87 25.65 178.29 351.39 66.58 17 55 9 3862.9 22.25 170.78

DIFFERENTIAL CORRECTIONS

TDE .1632 TRA -.2656 TC3 .4807 BAU .0999
 RDE -.2131 RRA -.0626 RC3 -.6705 FAU .17488
 FDE-2.4150 FRA -.6572 FC-16.7089 BSP 2332
 BDE .2684 BRA .2729 BC3 .8251 FSP -2996

MID-COURSE EXECUTION ACCURACY

SGT 665.6 SGR 584.9 SG3 961.8
 RRT -.4645 RRF .9336 RTF -.4978
 SGB 886.1 R23 -.5183 R13 .7798
 SG1 761.8 SG2 452.6 THA 142.80

ORBIT DETERMINATION ACCURACY

ST 346.7 SR 407.4 SS 1292.8
 CRT -.8532 CRS -.9993 CST .8560
 LSA 1388.0 MSA 175.1 SSA 14.0
 EL1 515.5 EL2 142.9 ALF 129.62

LAUNCH DATE JUN 16 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 345.029

RL 151.97 LAL -.00 LOL 264.19 VL 26.943 GAL -2.39 AZL 92.45 HCA 153.14 SMA 130.02 ECC .17374 INC 2.4537 V1 29.317
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.907 GAP -2.26 AZP 87.81 TAL 191.51 TAP 344.65 RCA 107.43 APO 152.61 V2 35.088
 RC 80.046 GL -22.81 GP -12.43 ZAL 115.51 ZAP 66.19 ETS 5.26 ZAE 167.11 ETE 324.74 ZAC 96.51 ETC 12.87 CLP -65.59

PLANETOCENTRIC CONIC

C3 8.833 VHL 2.972 DLA -8.77 RAL 140.91 RAD 6567.3 VEL 11.412 PTH 1.98 VHP 3.131 DPA -5.01 RAP 168.78 ECC 1.1454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 17 20 1762.45 -6.65 14.60 350.05 117.59 4 46 42 1162.5 -2.91 7.92
 90.00 14 2 40 4957.14 21.83 216.77 352.31 71.50 15 25 17 4357.1 19.10 209.16
 100.00 5 34 25 1513.80 -7.45 355.88 349.62 119.03 5 59 38 913.8 -3.52 349.30
 100.00 15 28 17 4681.03 22.68 196.15 351.99 69.99 16 46 18 4081.0 19.75 188.58
 110.00 6 32 56 1330.55 -9.53 340.71 348.35 122.98 6 55 6 730.6 -5.12 334.40
 110.00 16 46 15 4437.04 24.94 176.62 350.99 65.82 18 0 12 3837.0 21.46 169.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1100 TRA -.2767 TC3 .1454 BAU .1035 SGT 586.4 SGR 678.3 SG3 1027.8 ST 266.8 SR 426.5 SS 1291.4
 RDE -.2202 RRA -.0647 RC3 -.8642 FAU .18588 RRT -.1667 RRF .9597 RTF -.1770 CRT -.7376 CRS -.9995 CST .7409
 FDE-2.4623 FRA -.6723 FC-18.2180 BSP 2211 SGB 896.6 R23 -.3110 R13 .9081 LSA 1374.5 MSA 177.4 SSA 13.1
 BDE .2462 BRA .2842 BC3 .8763 FSP -3214 SG1 700.1 SG2 560.1 THA 114.38 EL1 476.6 EL2 161.3 ALF 118.30

LAUNCH DATE JUN 16 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 351.465

RL 151.97 LAL -.00 LOL 264.19 VL 26.955 GAL -2.37 AZL 92.31 HCA 156.36 SMA 130.10 ECC .17293 INC 2.3110 V1 29.317
 RP 107.96 LAP -.93 LOP 60.56 VP 37.927 GAP -1.79 AZP 87.88 TAL 191.47 TAP 347.83 RCA 107.61 APO 152.60 V2 35.101
 RC 82.236 GL -21.75 GP -14.39 ZAL 115.70 ZAP 71.73 ETS 4.68 ZAE 168.22 ETE 304.27 ZAC 99.14 ETC 12.27 CLP -71.12

PLANETOCENTRIC CONIC

C3 8.587 VHL 2.930 DLA -7.77 RAL 141.29 RAD 6567.3 VEL 11.401 PTH 1.97 VHP 3.056 DPA -5.92 RAP 165.92 ECC 1.1413
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 11 3 1789.04 -7.49 16.10 350.09 117.39 4 40 52 1189.0 -3.76 9.41
 90.00 14 11 59 4919.80 21.01 214.35 352.06 70.56 15 33 59 4319.8 18.16 206.83
 100.00 5 28 39 1538.70 -8.27 357.28 349.67 118.83 5 54 17 938.7 -4.36 350.67
 100.00 15 37 4 4645.37 21.83 193.84 351.74 69.06 16 54 30 4045.4 18.79 186.36
 110.00 6 28 21 1351.78 -10.32 341.85 348.43 122.77 6 50 52 751.8 -5.92 335.52
 110.00 16 53 52 4405.06 24.03 174.58 350.72 64.92 18 7 17 3805.1 20.45 167.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0569 TRA -.2885 TC3 -.2462 BAU .1300 SGT 597.7 SGR 797.3 SG3 1081.9 ST 203.9 SR 448.2 SS 1268.3
 RDE -.2281 RRA -.0662 RC3 -1.1053 FAU .19469 RRT .2479 RRF .9767 RTF .2491 CRT -.4693 CRS -.9996 CST .4737
 FDE-2.4423 FRA -.6551 FC-19.6276 BSP 2462 SGB 996.4 R23 .2296 R13 .9493 LSA 1348.6 MSA 179.2 SSA 12.2
 BDE .2351 BRA .2960 BC3 1.1324 FSP -3407 SG1 824.0 SG2 560.2 THA 69.84 EL1 460.1 EL2 175.4 ALF 104.15

LAUNCH DATE JUN 16 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 357.880

RL 151.97 LAL -.00 LOL 264.19 VL 26.962 GAL -2.34 AZL 92.13 HCA 159.58 SMA 130.16 ECC .17234 INC 2.1261 V1 29.317
 RP 107.92 LAP -.74 LOP 63.78 VP 37.944 GAP -1.33 AZP 88.01 TAL 191.36 TAP 350.94 RCA 107.73 APO 152.59 V2 35.113
 RC 84.440 GL -20.28 GP -16.83 ZAL 115.82 ZAP 77.35 ETS 3.86 ZAE 167.26 ETE 281.58 ZAC 101.94 ETC 11.41 CLP -76.78

PLANETOCENTRIC CONIC

C3 8.313 VHL 2.883 DLA -6.44 RAL 141.93 RAD 6567.3 VEL 11.389 PTH 1.97 VHP 3.017 DPA -7.24 RAP 162.78 ECC 1.1368
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 3 17 1825.37 -8.62 18.17 350.37 117.08 4 33 43 1225.4 -4.92 11.45
 90.00 14 24 51 4871.23 19.87 211.24 351.97 69.40 15 46 2 4271.2 16.89 203.83
 100.00 5 21 34 1572.85 -9.38 359.20 349.96 118.51 5 47 47 972.8 -5.50 352.56
 100.00 15 49 15 4598.99 20.67 190.88 351.64 67.92 17 5 54 3999.0 17.50 183.53
 110.00 6 22 48 1381.13 -11.39 343.45 348.76 122.45 6 45 49 781.1 -7.03 337.07
 110.00 17 4 31 4363.47 22.80 171.97 350.61 63.82 18 17 14 3763.5 19.10 164.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0063 TRA -.2999 TC3 -.7055 BAU .1747 SGT 724.8 SGR 943.4 SG3 1112.1 ST 180.8 SR 467.6 SS 1204.8
 RDE -.2342 RRA -.0651 RC3 -1.4051 FAU .19928 RRT .5878 RRF .9871 RTF .5906 CRT .0173 CRS -.9996 CST -.0113
 FDE-2.3120 FRA -.5831 FC-20.7532 BSP 3078 SGB 1189.7 R23 .2801 R13 .9466 LSA 1292.3 MSA 180.8 SSA 11.4
 BDE .2343 BRA .3069 BC3 1.5723 FSP -3508 SG1 1071.9 SG2 516.1 THA 57.20 EL1 467.6 EL2 180.7 ALF 89.55

LAUNCH DATE JUN 16 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 364.274

RL 151.97 LAL -.00 LOL 264.19 VL 26.966 GAL -2.30 AZL 91.88 HCA 162.80 SMA 130.18 ECC .17194 INC 1.8753 V1 29.317
 RP 107.89 LAP -.55 LOP 67.00 VP 37.958 GAP -1.88 AZP 88.21 TAL 191.17 TAP 353.97 RCA 107.80 APO 152.57 V2 35.125
 RC 86.655 GL -18.17 GP -19.96 ZAL 115.90 ZAP 82.94 ETS 2.70 ZAE 164.04 ETE 264.12 ZAC 104.85 ETC 10.15 CLP -82.49

PLANETOCENTRIC CONIC

C3 7.999 VHL 2.828 DLA -4.54 RAL 142.91 RAD 6567.3 VEL 11.375 PTH 1.96 VHP 3.021 DPA -9.20 RAP 159.36 ECC 1.1316
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 52 46 1878.03 -10.24 21.20 350.97 116.55 4 24 4 1278.0 -6.59 14.41
 90.00 14 43 11 4804.25 18.21 207.02 352.08 67.94 16 3 15 4204.3 15.06 199.76
 100.00 5 11 58 1622.51 -10.98 2.02 350.58 117.98 5 39 1 1022.5 -7.16 355.32
 100.00 16 6 40 4535.01 18.99 186.88 351.73 66.47 17 22 15 3935.0 15.64 179.68
 110.00 6 15 20 1424.16 -12.95 345.80 349.42 121.91 6 39 4 824.2 -8.64 339.36
 110.00 17 19 48 4306.12 21.04 168.46 350.69 62.41 18 31 34 3706.1 17.18 161.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.0343 TRA -.3066 TC3 -1.2302 BAU .2331 SGT 936.6 SGR 1131.4 SG3 1117.7 ST 200.5 SR 481.2 SS 1095.4
 RDE -.2363 RRA -.0609 RC3 -1.7990 FAU .19942 RRT .7724 RRF .9933 RTF .7739 CRT .4230 CRS -.9997 CST -.4164
 FDE-2.0591 FRA -.4670 FC-21.5827 BSP 4026 SGB 1468.7 R23 .2528 R13 .9607 LSA 1199.3 MSA 181.7 SSA 10.8
 BDE .2388 BRA .3126 BC3 2.1794 FSP -3544 SG1 1386.2 SG2 485.6 THA 51.91 EL1 489.8 EL2 178.5 ALF 78.45

LAUNCH DATE JUN 16 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 370.647

RL 151.97 LAL -.00 LOL 264.19 VL 26.966 GAL -2.24 AZL 91.51 HCA 166.02 SMA 130.18 ECC .17172 INC 1.5129 V1 29.317
 RP 107.85 LAP -.37 LOP 70.21 VP 37.969 GAP -.45 AZP 88.53 TAL 190.92 TAP 356.94 RCA 107.83 APO 152.54 V2 35.137
 RC 88.880 GL -14.92 GP -24.19 ZAL 115.96 ZAP 88.33 ETS 1.02 ZAE 158.87 ETE 253.81 ZAC 107.76 ETC 8.26 CLP -88.17

PLANETOCENTRIC CONIC

C3 7.635 VHL 2.763 DLA -1.62 RAL 144.39 RAD 6567.2 VEL 11.359 PTH 1.96 VHP 3.082 DPA -12.23 RAP 155.56 ECC 1.1257
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 36 52 1960.41 -12.70 25.99 352.13 115.52 4 9 32 1360.4 -9.16 19.10
 90.00 15 10 54 4704.79 15.56 200.92 352.51 66.04 16 29 19 4104.8 12.20 193.87
 100.00 4 57 27 1700.45 -13.43 6.51 351.76 116.96 5 25 48 1100.4 -9.71 359.69
 100.00 16 33 0 4439.98 16.30 181.10 352.16 64.59 17 47 0 3840.0 12.75 174.11
 110.00 6 3 58 1492.23 -15.37 349.60 350.65 120.92 6 28 50 892.2 -11.16 343.02
 110.00 17 42 58 4220.96 18.27 163.40 351.09 60.59 18 53 19 3621.0 14.21 156.64

DIFFERENTIAL CORRECTIONS

TOE -.0543 TRA -.3039 TC3-1.8336 BAU .3020
 RDE -.2243 RRA -.0470 RC3-2.3225 FAU .19182
 FDE -1.6151 FRA -.2707 FC-21.7508 BSP 5208
 BDE .2308 BRA .3076 BC3 2.9591 FSP -3426

MID-COURSE EXECUTION ACCURACY

SGT 1198.7 SGR 1368.6 SG3 1079.2
 RRT .8621 RRF .9968 RTF .8623
 SGB 1819.4 R23 .2187 R13 .9725
 SG1 1756.8 SG2 473.2 THA 49.38

ORBIT DETERMINATION ACCURACY

ST 222.3 SR 467.6 SS 898.2
 CRT .5688 CRS -.9996 CST -.5606
 LSA 1020.5 MSA 182.4 SSA 10.7
 EL1 487.1 EL2 175.5 ALF 72.53

LAUNCH DATE JUN 16 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 376.999

RL 151.97 LAL -.00 LOL 264.19 VL 26.963 GAL -2.17 AZL 90.94 HCA 169.25 SMA 130.16 ECC .17167 INC .9363 V1 29.317
 RP 107.82 LAP -.17 LOP 73.44 VP 37.977 GAP -.02 AZP 89.08 TAL 190.59 TAP 359.83 RCA 107.82 APO 152.50 V2 35.149
 RC 91.113 GL -9.44 GP -30.29 ZAL 115.98 ZAP 93.27 ETS 358.54 ZAE 151.66 ETE 248.88 ZAC 110.56 ETC 5.32 CLP -93.78

PLANETOCENTRIC CONIC

C3 7.231 VHL 2.689 DLA 3.35 RAL 146.76 RAD 6567.2 VEL 11.341 PTH 1.95 VHP 3.243 DPA -17.05 RAP 151.12 ECC 1.1190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 9 24 2104.87 -16.76 34.65 354.51 113.16 3 44 29 1504.9 -13.49 27.51
 90.00 19 57 15 4540.75 10.81 191.23 353.75 63.67 17 12 56 3940.8 7.18 184.43
 100.00 4 32 19 1837.45 -17.50 14.65 354.17 114.63 5 2 56 1237.4 -14.03 7.57
 100.00 17 17 2 4283.41 11.52 171.93 353.38 62.23 18 28 25 3683.4 7.71 165.21
 110.00 5 44 9 1612.60 -19.45 356.54 353.13 118.68 6 11 2 1012.6 -15.47 349.68
 110.00 18 21 41 4081.02 13.41 155.46 352.27 58.26 19 29 42 3481.0 9.12 149.00

DIFFERENTIAL CORRECTIONS

TOE -.0289 TRA -.2804 TC3-2.5155 BAU .3832
 RDE -.1773 RRA -.0156 RC3-3.0641 FAU .17447
 FDE -.9406 FRA -.0100 FC-20.8888 BSP 6640
 BDE .1797 BRA .2808 BC3 3.9644 FSP -3135

MID-COURSE EXECUTION ACCURACY

SGT 1480.6 SGR 1691.0 SG3 986.0
 RRT .9077 RRF .9986 RTF .9076
 SGB 2247.6 R23 .1821 R13 .9819
 SG1 2196.0 SG2 478.4 THA 49.18

ORBIT DETERMINATION ACCURACY

ST 194.1 SR 381.2 SS 569.4
 CRT .3655 CRS -.9991 CST -.3501
 LSA 688.8 MSA 180.5 SSA 12.6
 EL1 389.5 EL2 176.8 ALF 76.67

LAUNCH DATE JUN 16 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 383.328

RL 151.97 LAL -.00 LOL 264.19 VL 26.956 GAL -2.09 AZL 89.88 HCA 172.47 SMA 130.12 ECC .17177 INC .0760 V1 29.317
 RP 107.78 LAP .02 LOP 76.66 VP 37.983 GAP .39 AZP 90.12 TAL 190.19 TAP 2.66 RCA 107.76 APO 152.47 V2 35.160
 RC 93.352 GL 1.25 GP -39.88 ZAL 115.62 ZAP 97.14 ETS 354.65 ZAE 141.28 ETE 247.56 ZAC 112.84 ETC .41 CLP -99.33

PLANETOCENTRIC CONIC

C3 6.961 VHL 2.638 DLA 13.15 RAL 151.16 RAD 6567.2 VEL 11.329 PTH 1.95 VHP 3.633 DPA -25.15 RAP 145.25 ECC 1.1146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 22 2415.02 -23.87 54.59 .69 105.70 2 49 37 1815.0 -21.49 46.73
 90.00 17 32 24 4217.13 .59 172.94 357.95 61.69 18 42 41 3617.1 -3.20 166.30
 100.00 3 37 33 2130.62 -24.73 33.40 .42 107.36 4 13 4 1530.6 -22.12 25.57
 100.00 18 46 54 3976.77 1.37 154.83 357.52 60.14 19 53 10 3376.8 -2.62 148.31
 110.00 5 1 12 1868.91 -26.96 12.64 359.53 111.86 5 32 21 1268.9 -23.75 4.94
 110.00 19 39 44 3811.24 3.38 141.02 356.27 55.96 20 43 16 3211.2 -1.11 134.81

DIFFERENTIAL CORRECTIONS

TOE .1058 TRA -.2099 TC3-3.2049 BAU .4788
 RDE -.0182 RRA .0683 RC3-4.0254 FAU .13995
 FDE .0431 FRA .3379 FC-17.4055 BSP 8306
 BDE .1074 BRA .2208 BC3 5.1454 FSP -2515

MID-COURSE EXECUTION ACCURACY

SGT 1769.7 SGR 2129.9 SG3 796.2
 RRT .9317 RRF .9995 RTF .9320
 SGB 2769.2 R23 .1475 R13 .9886
 SG1 2723.1 SG2 502.9 THA 50.65

ORBIT DETERMINATION ACCURACY

ST 274.1 SR 87.8 SS 115.7
 CRT -.5096 CRS -.7475 CST -.0372
 LSA 278.0 MSA 134.5 SSA 29.0
 EL1 278.0 EL2 74.5 ALF 170.00

LAUNCH DATE JUN 16 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 389.630

RL 151.97 LAL -.00 LOL 264.19 VL 26.947 GAL -2.00 AZL 87.24 HCA 175.69 SMA 130.05 ECC .17202 INC 2.7562 V1 29.317
 RP 107.75 LAP .21 LOP 79.88 VP 37.986 GAP .79 AZP 92.75 TAL 189.72 TAP 5.41 RCA 107.68 APO 152.42 V2 35.170
 RC 95.596 GL 26.02 GP -56.48 ZAL 111.81 ZAP 98.40 ETS 348.28 ZAE 124.56 ETE 248.04 ZAC 113.29 ETC 351.65 CLP -105.34

PLANETOCENTRIC CONIC

C3 8.728 VHL 2.954 DLA 35.63 RAL 162.78 RAD 6567.3 VEL 11.407 PTH 1.97 VHP 4.872 DPA -39.44 RAP 134.96 ECC 1.1436
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 67.41 19 50 49 3878.46 -29.35 162.82 21.12 68.83 20 55 27 3278.5 -31.95 154.44
 112.59 1 23 41 2836.55 -29.34 84.70 21.11 68.81 2 10 57 2236.6 -31.94 76.33
 67.41 19 50 49 3878.46 -29.35 162.82 21.12 68.83 20 55 27 3278.5 -31.95 154.44
 112.59 1 23 41 2836.55 -29.34 84.70 21.11 68.81 2 10 57 2236.6 -31.94 76.33
 67.41 19 50 49 3878.46 -29.35 162.82 21.12 68.83 20 55 27 3278.5 -31.95 154.44
 112.59 1 23 41 2836.55 -29.34 84.70 21.11 68.81 2 10 57 2236.6 -31.94 76.33

DIFFERENTIAL CORRECTIONS

TOE .6025 TRA .0077 TC3-3.0022 BAU .5871
 RDE .5268 RRA .3280 RC3-4.0379 FAU .08009
 FDE 1.0921 FRA .6569 FC3-7.9437 BSP 10409
 BDE .8003 BRA .3281 BC3 5.0317 FSP -1474

MID-COURSE EXECUTION ACCURACY

SGT 2124.2 SGR 2710.9 SG3 465.1
 RRT .9448 RRF .9998 RTF .9472
 SGB 3444.0 R23 .1175 R13 .9929
 SG1 3399.0 SG2 555.2 THA 52.31

ORBIT DETERMINATION ACCURACY

ST 1169.6 SR 1050.7 SS 915.2
 CRT .9755 CRS -1.0000 CST -.9771
 LSA 1808.7 MSA 195.5 SSA 1.9
 EL1 1562.7 EL2 173.1 ALF 41.86

LAUNCH DATE JUN 16 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 395.846

RL 151.97 LAL -.00 LOL 264.19 VL 26.935 GAL -1.89 AZL 69.73 HCA 178.85 SMA 129.97 ECC .17237 INC20.2644 V1 29.317
 RP 107.72 LAP .40 LOP 83.11 VP 37.987 GAP 1.17 AZP 110.27 TAL 189.13 TAP 7.98 RCA 107.56 APO 152.37 V2 35.180
 RC 97.843 GL 65.79 GP -86.13 ZAL 95.85 ZAP 93.58 ETS 295.75 ZAE 91.32 ETE 203.41 ZAC 107.74 ETC 293.06 CLP 157.94

PLANETOCENTRIC CONIC

C3 104.587 VHL 10.227 DLA 63.27 RAL 211.17 RAD 6570.0 VEL 15.031 PTH 2.71 VHP 15.263 DPA -62.34 RAP 93.07 ECC 2.7212
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.73 20 52 9 4787.14 -15.90 235.46 112.93 27.89 22 11 56 4187.1 -22.93 231.82
 149.27 6 48 23 3085.77 -15.89 94.07 112.91 27.89 7 39 49 2485.8 -22.92 90.43
 30.73 20 52 9 4787.14 -15.90 235.46 112.93 27.89 22 11 56 4187.1 -22.93 231.82
 149.27 6 48 23 3085.77 -15.89 94.07 112.91 27.89 7 39 49 2485.8 -22.92 90.43
 30.73 20 52 9 4787.14 -15.90 235.46 112.93 27.89 22 11 56 4187.1 -22.93 231.82
 149.27 6 48 23 3085.77 -15.89 94.07 112.91 27.89 7 39 49 2485.8 -22.92 90.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.0165 TRA 3.0836 TC3 -.1001 BAU .1496 SGT 4200.9 SGR 640.0 SG3 99.3 ST 2045.4 SR 546.4 SS 655.9
 RDE -.9581 RRA .2728 RC3 -.0380 FAU .00355 RRT .1539 RRF .2327 RTF .9968 CRT -.7066 CRS .6211 CST -.9934
 FDE .6715 FRA .8706 FC3 -.0294 BSP 7652 SGB 4249.4 R23 .0767 R13 .9970 LSA 2181.6 MSA 391.0 SSA .3
 BDE 3.1650 BRA 3.0957 BC3 .1070 FSP -195 SG1 4202.1 SG2 632.2 THA 1.37 EL1 2082.8 EL2 379.7 ALF 168.94

LAUNCH DATE JUN 16 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 402.279

RL 151.97 LAL -.00 LOL 264.19 VL 26.920 GAL -1.81 AZL 105.27 HCA 182.23 SMA 129.87 ECC .17300 INC15.2660 V1 29.317
 RP 107.69 LAP .59 LOP 86.34 VP 37.985 GAP 1.61 AZP 74.74 TAL 188.69 TAP 10.92 RCA 107.40 APO 152.33 V2 35.190
 RC 100.092 GL -63.67 GP 73.53 ZAL 97.30 ZAP 98.66 ETS 36.56 ZAE 101.08 ETE 129.27 ZAC 84.63 ETC 39.09 CLP-122.10

PLANETOCENTRIC CONIC

C3 62.502 VHL 7.906 DLA -49.02 RAL 128.68 RAD 6569.2 VEL 13.559 PTH 2.48 VHP 8.174 DPA 72.38 RAP 234.82 ECC 2.0286
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.16 4 13 28 1925.61 19.20 45.89 21.05 136.01 4 45 34 1325.6 24.85 40.19
 131.84 12 28 55 5713.04 19.21 265.88 21.07 136.01 14 4 8 5113.0 24.86 260.18
 48.16 4 13 28 1925.61 19.20 45.89 21.05 136.01 4 45 34 1325.6 24.85 40.19
 131.84 12 28 55 5713.04 19.21 265.88 21.07 136.01 14 4 8 5113.0 24.86 260.18
 48.16 4 13 28 1925.61 19.20 45.89 21.05 136.01 4 45 34 1325.6 24.85 40.19
 131.84 12 28 55 5713.04 19.21 265.88 21.07 136.01 14 4 8 5113.0 24.86 260.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2801 TRA-1.5197 TC3 -.3930 BAU .4071 SGT 2976.1 SGR 2567.9 SG3 203.9 ST 2430.0 SR 2458.7 SS 1539.5
 RDE 3.3831 RRA .5546 RC3 .2880 FAU .02205 RRT -.9343 RRF -.9939 RTF .9675 CRT -.9910 CRS .9994 CST -.9952
 FDE-2.9894 FRA -.7243 FC3 -.3054 BSP 11100 SGB 3930.8 R23 .1006 R13 -.9948 LSA 3776.9 MSA 235.4 SSA .8
 BDE 4.7121 BRA 1.6178 BC3 .4872 FSP -584 SG1 3867.2 SG2 704.4 THA 139.50 EL1 3449.2 EL2 231.4 ALF 134.66

LAUNCH DATE JUN 16 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 408.503

RL 151.97 LAL -.00 LOL 264.19 VL 26.903 GAL -1.68 AZL 98.20 HCA 185.44 SMA 129.75 ECC .17364 INC 8.2037 V1 29.317
 RP 107.66 LAP .78 LOP 89.57 VP 37.982 GAP 1.98 AZP 81.83 TAL 188.03 TAP 13.47 RCA 107.22 APO 152.28 V2 35.199
 RC 102.344 GL -53.30 GP 46.93 ZAL 101.37 ZAP 109.51 ETS 23.74 ZAE 124.39 ETE 127.42 ZAC 95.80 ETC 29.53 CLP-119.28

PLANETOCENTRIC CONIC

C3 22.908 VHL 4.786 DLA -39.41 RAL 134.47 RAD 6567.9 VEL 12.012 PTH 2.14 VHP 4.405 DPA 56.63 RAP 180.51 ECC 1.3770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.36 5 28 40 1537.15 25.58 16.42 8.82 121.06 5 54 17 937.2 29.50 8.97
 118.64 11 59 56 5601.04 25.60 261.37 8.83 121.05 13 33 17 5001.0 29.51 253.91
 61.36 5 28 40 1537.15 25.58 16.42 8.82 121.06 5 54 17 937.2 29.50 8.97
 118.64 11 59 56 5601.04 25.60 261.37 8.83 121.05 13 33 17 5001.0 29.51 253.91
 61.36 5 28 40 1537.15 25.58 16.42 8.82 121.06 5 54 17 937.2 29.50 8.97
 118.64 11 59 56 5601.04 25.60 261.37 8.83 121.05 13 33 17 5001.0 29.51 253.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8154 TRA -.9207 TC3-1.5213 BAU .5631 SGT 2979.7 SGR 2144.9 SG3 577.7 ST 2215.4 SR 1854.9 SS 2152.8
 RDE 1.5452 RRA .2903 RC3 1.0323 FAU .08944 RRT -.9546 RRF -.9992 RTF .9638 CRT -.9926 CRS .9999 CST -.9938
 FDE-4.7081 FRA-1.0138 FC3-3.3802 BSP 11358 SGB 3671.4 R23 .1663 R13 -.9859 LSA 3597.5 MSA 202.3 SSA 1.4
 BDE 2.3840 BRA .9654 BC3 1.8385 FSP -1844 SG1 3633.8 SG2 524.1 THA 144.66 EL1 2884.2 EL2 172.9 ALF 140.10

LAUNCH DATE JUN 16 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 414.738

RL 151.97 LAL -.00 LOL 264.19 VL 26.884 GAL -1.54 AZL 96.38 HCA 188.67 SMA 129.62 ECC .17442 INC 6.3838 V1 29.317
 RP 107.63 LAP .96 LOP 92.80 VP 37.976 GAP 2.36 AZP 83.69 TAL 187.33 TAP 16.00 RCA 107.01 APO 152.23 V2 35.208
 RC 104.596 GL -47.35 GP 32.45 ZAL 102.49 ZAP 116.97 ETS 20.03 ZAE 134.53 ETE 137.38 ZAC 102.40 ETC 27.13 CLP-122.50

PLANETOCENTRIC CONIC

C3 16.506 VHL 4.063 DLA -34.29 RAL 138.30 RAD 6567.7 VEL 11.743 PTH 2.07 VHP 3.770 DPA 44.31 RAP 168.40 ECC 1.2717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.81 6 28 46 1327.22 24.80 359.02 5.60 114.47 6 50 53 727.2 27.89 351.20
 110.19 11 30 22 5655.88 24.82 265.34 5.61 114.45 13 4 38 5055.9 27.90 257.51
 69.81 6 28 46 1327.22 24.80 359.02 5.60 114.47 6 50 53 727.2 27.89 351.20
 110.19 11 30 22 5655.88 24.82 265.34 5.61 114.45 13 4 38 5055.9 27.90 257.51
 69.81 6 28 46 1327.22 24.80 359.02 5.60 114.47 6 50 53 727.2 27.89 351.20
 110.19 11 30 22 5655.88 24.82 265.34 5.61 114.45 13 4 38 5055.9 27.90 257.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5503 TRA -.7430 TC3-2.3096 BAU .5541 SGT 3148.1 SGR 1464.0 SG3 743.3 ST 2219.9 SR 1213.2 SS 2237.0
 RDE .8592 RRA .1097 RC3 .9847 FAU .11824 RRT -.9521 RRF -.9986 RTF .9620 CRT -.9921 CRS 1.0000 CST -.9932
 FDE-4.8618 FRA -.7412 FC3-6.2014 BSP 10241 SGB 3471.8 R23 .2187 R13 -.9750 LSA 3371.1 MSA 199.3 SSA 2.1
 BDE 1.7725 BRA .7511 BC3 2.5108 FSP -2227 SG1 3447.7 SG2 408.7 THA 155.75 EL1 2526.2 EL2 134.0 ALF 151.45

LAUNCH DATE JUN 16 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 420.950

RL 151.97 LAL -0.00 LOL 264.19 VL 26.863 GAL -1.40 AZL 95.55 HCA 191.90 SMA 129.48 ECC .17532 INC 5.5470 V1 29.317
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.969 GAP 2.73 AZP 84.57 TAL 186.59 TAP 18.50 RCA 106.78 APO 152.18 V2 35.216
 RC 106.849 GL -43.76 GP 24.03 ZAL 102.46 ZAP 122.43 ETS 17.52 ZAE 138.44 ETE 146.79 ZAC 106.14 ETC 25.22 CLP-125.95

PLANETOCENTRIC CONIC

C3 14.087 VHL 3.753 DLA -31.43 RAL 141.07 RAD 6567.6 VEL 11.639 PTH 2.04 VHP 3.627 DPA 36.81 RAP 163.33 ECC 1.2318
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.77 7 18 19 1172.48 23.74 346.65 5.01 111.22 7 37 52 572.5 26.41 338.74
 104.23 11 2 57 5739.43 23.76 271.26 5.01 111.20 12 38 37 5139.4 26.42 263.35
 75.77 7 18 19 1172.48 23.74 346.65 5.01 111.22 7 37 52 572.5 26.41 338.74
 104.23 11 2 57 5739.43 23.76 271.26 5.01 111.20 12 38 37 5139.4 26.42 263.35
 110.00 9 56 58 657.23 15.65 304.85 .82 120.78 10 7 55 57.2 19.62 297.97
 110.00 13 23 29 5302.68 32.39 240.73 7.89 101.58 14 51 52 4702.7 33.65 231.72

DIFFERENTIAL CORRECTIONS

TDE-1.4906 TRA -.6740 TC3-2.9840 BAU .5838
 RDE .5732 RRA .0577 RC3 .8394 FAU .13259
 FDE-4.6946 FRA -.5735 FC3-8.1484 BSP 10883
 BDE 1.5970 BRA .6765 BC3 3.0998 FSP -2575

MID-COURSE EXECUTION ACCURACY

SGT 3413.0 SGR 1083.3 SG3 818.9
 RRT -.9540 RRF -.9966 RTF .9659
 SGB 3580.8 R23 .2246 R13 -.9722
 SG1 3567.3 SG2 310.9 THA 163.02

ORBIT DETERMINATION ACCURACY

ST 2305.0 SR 875.8 SS 2248.6
 CRT -.9925 CRS 1.0000 CST -.9934
 LSA 3331.5 MSA 193.0 SSA 3.0
 EL1 2463.8 EL2 100.1 ALF 159.30

LAUNCH DATE JUN 16 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 427.147

RL 151.97 LAL -0.00 LOL 264.19 VL 26.841 GAL -1.24 AZL 95.06 HCA 195.14 SMA 129.33 ECC .17635 INC 5.0642 V1 29.317
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.960 GAP 3.10 AZP 85.11 TAL 185.80 TAP 20.94 RCA 106.52 APO 152.14 V2 35.223
 RC 109.101 GL -41.37 GP 18.72 ZAL 101.84 ZAP 126.82 ETS 15.72 ZAE 139.55 ETE 154.19 ZAC 108.31 ETC 23.70 CLP-129.26

PLANETOCENTRIC CONIC

C3 12.843 VHL 3.584 DLA -29.74 RAL 143.43 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 3.632 DPA 31.97 RAP 160.69 ECC 1.2114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.50 8 2 28 1042.12 22.99 336.59 5.47 109.41 8 19 50 442.1 25.42 328.65
 99.50 10 37 35 5829.58 23.00 277.70 5.47 109.40 12 14 44 5229.6 25.43 269.76
 100.00 10 16 6 610.19 21.17 304.16 4.73 111.61 10 26 16 10.2 23.92 296.44
 100.00 11 6 38 5736.74 24.84 271.47 6.13 107.19 12 42 15 5136.7 26.95 263.31
 110.00 9 39 3 727.10 13.18 308.75 .53 121.83 9 51 10 127.1 17.29 302.05
 110.00 14 0 10 5192.60 33.59 232.37 8.26 96.77 15 26 43 4592.6 34.16 223.17

DIFFERENTIAL CORRECTIONS

TDE-1.4794 TRA -.6129 TC3-3.5103 BAU .6129
 RDE .4143 RRA .0278 RC3 .6495 FAU .13320
 FDE-4.3552 FRA -.3520 FC3-8.9789 BSP 11396
 BDE 1.5363 BRA .6136 BC3 3.5698 FSP -2608

MID-COURSE EXECUTION ACCURACY

SGT 3632.9 SGR 811.2 SG3 821.1
 RRT -.9486 RRF -.9911 RTF .9672
 SGB 3722.4 R23 .2189 R13 -.9704
 SG1 3713.9 SG2 251.1 THA 167.98

ORBIT DETERMINATION ACCURACY

ST 2390.5 SR 662.8 SS 2186.6
 CRT -.9929 CRS 1.0000 CST -.9935
 LSA 3301.4 MSA 189.4 SSA 4.1
 EL1 2479.5 EL2 76.1 ALF 164.59

LAUNCH DATE JUN 16 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 433.327

RL 151.97 LAL -0.00 LOL 264.19 VL 26.817 GAL -1.07 AZL 94.75 HCA 198.38 SMA 129.16 ECC .17750 INC 4.7481 V1 29.317
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.949 GAP 3.46 AZP 85.49 TAL 184.97 TAP 23.35 RCA 106.24 APO 152.09 V2 35.230
 RC 111.351 GL -39.65 GP 15.12 ZAL 100.87 ZAP 130.58 ETS 14.38 ZAE 139.40 ETE 159.71 ZAC 109.53 ETC 22.47 CLP-132.36

PLANETOCENTRIC CONIC

C3 12.098 VHL 3.478 DLA -28.73 RAL 145.60 RAD 6567.5 VEL 11.554 PTH 2.02 VHP 3.698 DPA 28.59 RAP 159.25 ECC 1.1991
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.93 8 46 24 916.10 22.51 327.11 6.47 108.34 9 1 40 316.1 24.81 319.16
 95.07 10 11 2 642.11 22.52 307.04 6.48 108.33 10 21 44 42.1 24.82 299.09
 100.00 9 40 8 741.66 17.66 312.34 4.45 114.52 9 52 30 141.7 20.82 304.97
 100.00 11 59 59 5579.82 27.55 260.61 7.99 102.09 13 32 58 4979.8 28.94 252.08
 110.00 9 33 57 761.10 11.95 310.62 1.26 122.27 9 46 38 161.1 16.13 304.00
 110.00 14 22 39 5133.14 33.97 227.77 9.05 94.07 15 48 12 4533.1 34.16 218.53

DIFFERENTIAL CORRECTIONS

TDE-1.4932 TRA -.5530 TC3-3.9482 BAU .6433
 RDE .3202 RRA .0123 RC3 .4801 FAU .12877
 FDE-4.0128 FRA -.1419 FC3-9.2143 BSP 11905
 BDE 1.5272 BRA .5532 BC3 3.9773 FSP -2531

MID-COURSE EXECUTION ACCURACY

SGT 3830.6 SGR 624.8 SG3 795.9
 RRT -.9355 RRF -.9789 RTF .9676
 SGB 3881.2 R23 .2004 R13 -.9694
 SG1 3875.0 SG2 218.3 THA 171.30

ORBIT DETERMINATION ACCURACY

ST 2480.8 SR 527.7 SS 2112.8
 CRT -.9935 CRS .9999 CST -.9935
 LSA 3295.7 MSA 186.3 SSA 5.2
 EL1 2535.6 EL2 58.6 ALF 168.06

LAUNCH DATE JUN 16 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 439.489

RL 151.97 LAL -0.00 LOL 264.19 VL 26.791 GAL -.89 AZL 94.52 HCA 201.63 SMA 128.99 ECC .17878 INC 4.5241 V1 29.317
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.937 GAP 3.82 AZP 85.79 TAL 184.09 TAP 25.72 RCA 105.93 APO 152.05 V2 35.236
 RC 113.598 GL -38.32 GP 12.55 ZAL 99.65 ZAP 133.89 ETS 13.33 ZAE 138.69 ETE 163.79 ZAC 110.14 ETC 21.44 CLP-135.25

PLANETOCENTRIC CONIC

C3 11.614 VHL 3.408 DLA -28.14 RAL 147.73 RAD 6567.4 VEL 11.533 PTH 2.01 VHP 3.794 DPA 26.09 RAP 158.52 ECC 1.1911
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 9 20 860.92 20.38 322.27 7.16 110.09 9 23 41 260.9 22.94 314.53
 90.00 10 5 2 680.15 24.14 310.36 8.45 105.28 10 16 22 80.1 26.00 302.18
 100.00 9 32 44 785.19 16.41 314.97 5.40 115.34 9 45 50 185.2 19.69 307.71
 100.00 12 24 19 5519.16 28.34 256.27 9.50 99.94 13 56 18 4919.2 29.42 247.63
 110.00 9 34 59 778.12 11.33 311.55 2.52 122.47 9 47 57 178.1 15.53 304.96
 110.00 14 38 33 5098.99 34.10 225.11 10.23 92.50 16 3 32 4499.0 34.07 215.86

DIFFERENTIAL CORRECTIONS

TDE-1.5236 TRA -.4948 TC3-4.3293 BAU .6743
 RDE .2616 RRA .0058 RC3 .3389 FAU .12244
 FDE-3.7068 FRA .0327 FC3-9.1267 BSP 12469
 BDE 1.5459 BRA .4948 BC3 4.3426 FSP -2426

MID-COURSE EXECUTION ACCURACY

SGT 4019.8 SGR 496.9 SG3 760.8
 RRT -.9104 RRF -.9546 RTF .9679
 SGB 4050.4 R23 .1720 R13 -.9689
 SG1 4045.2 SG2 204.3 THA 173.56

ORBIT DETERMINATION ACCURACY

ST 2578.6 SR 439.9 SS 2044.0
 CRT -.9946 CRS .9998 CST -.9936
 LSA 3314.7 MSA 182.9 SSA 6.3
 EL1 2615.4 EL2 45.1 ALF 170.37

LAUNCH DATE JUN 16 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 445.632

RL 151.97 LAL -.00 LOL 264.19 VL 26.764 GAL -.70 AZL 94.36 HCA 204.87 SMA 128.81 ECC .18017 INC 4.3560 V1 29.317
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.923 GAP 4.18 AZP 86.05 TAL 183.17 TAP 28.04 RCA 105.60 APO 152.02 V2 35.241
 RC 115.842 GL -37.23 GP 10.64 ZAL 98.23 ZAP 136.87 ETS 12.50 ZAE 137.76 ETE 166.85 ZAC 110.29 ETC 20.56 CLP-137.95

PLANETOCENTRIC CONIC

C3 11.289 VHL 3.360 DLA -27.83 RAL 149.86 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 3.910 DPA 24.11 RAP 158.30 ECC 1.1858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 8 59 35 914.53 19.09 325.67 8.34 111.32 9 14 49 314.5 21.82 318.06
 90.00 10 31 47 614.73 25.24 305.88 10.40 103.29 10 42 2 14.7 26.82 297.57
 100.00 9 34 1 803.21 15.88 316.05 6.88 115.66 9 47 24 203.2 19.20 308.83
 100.00 12 40 2 5489.32 28.67 254.12 11.16 98.85 14 11 31 4889.3 29.59 245.43
 110.00 9 39 44 785.21 11.07 311.93 4.12 122.55 9 52 50 185.2 15.29 305.36
 110.00 14 50 48 5080.08 34.15 223.63 11.75 91.63 16 15 28 4480.1 34.00 214.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5609 TRA -.4300 TC3-4.6511 BAU .7027 SGT 4188.1 SGR 408.7 SG3 720.2 ST 2674.9 SR 380.8 SS 1977.2
 RDE .2233 RRA .0035 RC3 .2208 FAU .11500 RRT -.8663 RRF -.9112 RTF .9678 CRT -.9959 CRS .9995 CST -.9937
 FDE-3.4303 FRA .1923 FC3-8.8191 BSP 12960 SGB 4208.0 R23 .1417 R13 -.9684 LSA 3343.3 MSA 179.3 SSA 7.4
 BDE 1.5767 BRA .4300 BC3 4.6563 FSP -2294 SG1 4203.1 SG2 203.5 THA 175.16 EL1 2701.7 EL2 34.2 ALF 171.93

LAUNCH DATE JUN 16 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 451.756

RL 151.97 LAL -.00 LOL 264.19 VL 26.736 GAL -.49 AZL 94.22 HCA 208.11 SMA 128.62 ECC .18170 INC 4.2245 V1 29.317
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.907 GAP 4.54 AZP 86.27 TAL 182.22 TAP 30.33 RCA 105.25 APO 151.99 V2 35.246
 RC 118.080 GL -36.29 GP 9.18 ZAL 96.64 ZAP 139.59 ETS 11.81 ZAE 136.77 ETE 169.18 ZAC 110.10 ETC 19.79 CLP-140.47

PLANETOCENTRIC CONIC

C3 11.072 VHL 3.327 DLA -27.72 RAL 152.03 RAD 6567.4 VEL 11.509 PTH 2.00 VHP 4.037 DPA 22.48 RAP 158.44 ECC 1.1822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 3 8 927.26 18.77 326.47 10.08 111.60 9 18 35 327.3 21.54 318.89
 90.00 10 45 34 5882.02 25.55 282.35 12.33 102.64 12 23 36 5282.0 27.04 274.00
 100.00 9 40 9 807.60 15.75 316.31 8.70 115.74 9 53 37 207.6 19.09 309.10
 100.00 12 51 14 5476.91 28.79 253.21 13.01 98.39 14 22 30 4876.9 29.66 244.52
 110.00 9 47 3 785.93 11.04 311.97 6.00 122.56 10 0 9 185.9 15.26 305.41
 110.00 15 0 49 5071.35 34.16 222.95 13.54 91.23 16 25 20 4471.3 33.96 213.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6070 TRA -.3633 TC3-4.9444 BAU .7321 SGT 4357.0 SGR 351.6 SG3 681.2 ST 2777.1 SR 341.5 SS 1919.2
 RDE .1983 RRA .0046 RC3 .1253 FAU .10795 RRT -.8001 RRF -.8440 RTF .9679 CRT -.9973 CRS .9988 CST -.9939
 FDE-3.1920 FRA .3240 FC3-8.4408 BSP 13526 SGB 4371.2 R23 .1130 R13 -.9682 LSA 3388.4 MSA 175.3 SSA 8.5
 BDE 1.6192 BRA .3634 BC3 4.9460 FSP -2181 SG1 4366.1 SG2 210.5 THA 176.30 EL1 2797.9 EL2 25.1 ALF 173.01

LAUNCH DATE JUN 16 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 457.862

RL 151.97 LAL -.00 LOL 264.19 VL 26.707 GAL -.28 AZL 94.12 HCA 211.36 SMA 128.43 ECC .18335 INC 4.1183 V1 29.317
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.890 GAP 4.89 AZP 86.48 TAL 181.23 TAP 32.59 RCA 104.88 APO 151.98 V2 35.250
 RC 120.312 GL -35.45 GP 8.02 ZAL 94.92 ZAP 142.09 ETS 11.24 ZAE 135.78 ETE 170.98 ZAC 109.63 ETC 19.10 CLP-142.82

PLANETOCENTRIC CONIC

C3 10.936 VHL 3.307 DLA -27.74 RAL 154.26 RAD 6567.4 VEL 11.503 PTH 2.00 VHP 4.174 DPA 21.08 RAP 158.88 ECC 1.1800
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 13 10 921.07 18.93 326.09 12.18 111.46 9 28 31 321.1 21.68 318.49
 90.00 10 53 21 5883.15 25.54 282.43 14.37 102.67 12 31 25 5283.2 27.03 274.08
 100.00 9 49 38 803.18 15.88 316.04 10.79 115.66 10 3 1 203.2 19.21 308.83
 100.00 12 59 34 5476.28 28.80 253.17 15.06 98.37 14 30 51 4876.3 29.66 244.47
 110.00 9 56 16 782.33 11.18 311.78 8.10 122.52 10 9 19 182.3 15.39 305.20
 110.00 15 9 25 5069.89 34.17 222.84 15.58 91.16 16 33 55 4469.9 33.95 213.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6567 TRA -.2855 TC3-5.1953 BAU .7596 SGT 4512.1 SGR 317.1 SG3 643.2 ST 2877.0 SR 315.3 SS 1865.4
 RDE .1820 RRA .0070 RC3 .0467 FAU .10102 RRT -.7121 RRF -.7537 RTF .9675 CRT -.9984 CRS .9975 CST -.9940
 FDE-2.9803 FRA .4533 FC3-7.9969 BSP 14015 SGB 4523.2 R23 .0898 R13 -.9677 LSA 3439.0 MSA 172.0 SSA 9.7
 BDE 1.6667 BRA .2856 BC3 5.1955 FSP -2059 SG1 4517.7 SG2 222.3 THA 177.13 EL1 2894.2 EL2 17.5 ALF 173.76

LAUNCH DATE JUN 16 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 463.948

RL 151.97 LAL -.00 LOL 264.19 VL 26.676 GAL -.05 AZL 94.03 HCA 214.61 SMA 128.23 ECC .18514 INC 4.0300 V1 29.317
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.872 GAP 5.24 AZP 86.68 TAL 180.20 TAP 34.81 RCA 104.49 APO 151.97 V2 35.253
 RC 122.538 GL -34.66 GP 7.09 ZAL 93.08 ZAP 144.40 ETS 10.76 ZAE 134.83 ETE 172.40 ZAC 108.93 ETC 18.48 CLP-145.02

PLANETOCENTRIC CONIC

C3 10.869 VHL 3.297 DLA -27.87 RAL 156.57 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 4.318 DPA 19.84 RAP 159.54 ECC 1.1789
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 28 11 900.78 19.43 324.81 14.58 111.02 9 43 12 300.8 22.11 317.16
 90.00 10 56 45 612.86 25.26 305.75 16.53 103.23 11 6 58 12.9 26.84 297.44
 100.00 10 1 39 792.59 16.19 315.41 13.13 115.47 10 14 51 192.6 19.49 308.17
 100.00 13 5 58 5484.33 28.72 253.75 17.28 98.67 14 37 23 4884.3 29.62 245.07
 110.00 10 6 59 775.84 11.41 311.42 10.40 122.44 10 19 55 175.8 15.61 304.84
 110.00 15 17 8 5073.85 34.16 223.15 17.84 91.34 16 41 42 4473.8 33.97 213.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7297 TRA -.2370 TC3-5.4670 BAU .7944 SGT 4716.8 SGR 303.4 SG3 617.0 ST 3011.3 SR 302.1 SS 1851.1
 RDE .1737 RRA .0143 RC3 -.0120 FAU .09640 RRT -.6235 RRF -.6598 RTF .9711 CRT -.9992 CRS .9960 CST -.9948
 FDE-2.8495 FRA .4665 FC3-7.6785 BSP 14709 SGB 4726.5 R23 .0676 R13 -.9712 LSA 3544.0 MSA 160.8 SSA 10.8
 BDE 1.7384 BRA .2374 BC3 5.4670 FSP -1993 SG1 4720.6 SG2 237.0 THA 177.70 EL1 3026.4 EL2 12.4 ALF 174.28

LAUNCH DATE JUN 16 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 470.016

RL 151.97 LAL -.00 LOL 264.19 VL 26.645 GAL .20 AZL 93.96 HCA 217.85 SMA 128.02 ECC .18706 INC 3.9552 V1 29.317
 RP 107.49 LAP 2.43 LOP 121.98 VP 37.852 GAP 5.59 AZP 86.88 TAL 179.15 TAP 37.00 RCA 104.08 APO 151.97 V2 35.256
 RC 124.755 GL -33.90 GP 6.33 ZAL 91.11 ZAP 146.55 ETS 10.35 ZAE 133.95 ETE 173.53 ZAC 108.03 ETC 17.91 CLP-147.08

PLANETOCENTRIC CONIC

C3 10.861 VHL 3.296 DLA -28.07 RAL 158.97 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 4.467 DPA 18.70 RAP 160.41 ECC 1.1787
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 49 3 863.67 20.32 322.45 17.30 110.16 10 3 27 263.7 22.88 314.71
 90.00 10 54 58 649.68 24.67 308.28 18.77 104.37 11 5 48 49.7 26.40 300.04
 100.00 10 15 51 776.99 16.65 314.48 15.69 115.19 10 28 48 177.0 19.90 307.20
 100.00 13 10 51 5499.63 28.56 254.86 19.67 99.23 14 42 31 4899.6 29.54 246.20
 110.00 10 18 57 767.27 11.73 310.96 12.90 122.34 10 31 44 167.3 15.91 304.35
 110.00 15 24 15 5082.11 34.14 223.79 20.30 91.72 16 48 57 4482.1 34.01 214.55

DIFFERENTIAL CORRECTIONS

TDE-1.7670 TRA -.1128 TC3-5.5548 BAU .8066
 RDE .1660 RRA .0157 RC3 -.0735 FAU .08690
 FDE-2.6253 FRA .6578 FC3-6.9269 BSP 14903
 BDE 1.7748 BRA .1139 BC3 5.5553 FSP -1823

MID-COURSE EXECUTION ACCURACY

SGT 4784.5 SGR 294.3 SG3 568.9
 RRT -.5087 RRF -.5449 RTF .9665
 SGB 4793.6 R23 .0603 R13 -.9666
 SG1 4786.9 SGT 253.3 THA 178.20

ORBIT DETERMINATION ACCURACY

ST 3074.7 SR 288.8 SS 1768.9
 CRT -.9991 CRS .9925 CST -.9943
 LSA 3555.2 MSA 163.9 SSA 11.9
 EL1 3088.3 EL2 12.1 ALF 174.64

LAUNCH DATE JUN 16 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 476.064

RL 151.97 LAL -.00 LOL 264.19 VL 26.613 GAL .45 AZL 93.89 HCA 221.10 SMA 127.81 ECC .18914 INC 3.8905 V1 29.317
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.832 GAP 5.95 AZP 87.07 TAL 178.06 TAP 39.16 RCA 103.64 APO 151.99 V2 35.258
 RC 126.964 GL -33.14 GP 5.70 ZAL 89.05 ZAP 148.55 ETS 10.00 ZAE 133.13 ETE 174.45 ZAC 106.97 ETC 17.38 CLP-149.02

PLANETOCENTRIC CONIC

C3 10.910 VHL 3.303 DLA -28.32 RAL 161.44 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 4.623 DPA 17.63 RAP 161.43 ECC 1.1795
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 89.74 10 29 38 764.88 22.64 316.08 20.69 107.47 10 42 23 164.9 24.82 308.08
 90.26 10 34 8 750.30 22.65 315.01 20.69 107.46 10 46 38 150.3 24.83 307.02
 100.00 10 31 55 757.50 17.21 313.30 18.46 114.83 10 44 32 157.5 20.41 305.97
 100.00 13 14 32 5520.95 28.32 256.40 22.23 100.01 14 46 33 4921.0 29.41 247.77
 110.00 10 31 54 757.54 12.08 310.42 15.58 122.22 10 44 31 157.5 16.25 303.80
 110.00 15 31 3 5093.67 34.12 224.69 22.95 92.26 16 55 56 4493.7 34.05 215.45

DIFFERENTIAL CORRECTIONS

TDE-1.8224 TRA -.0140 TC3-5.6892 BAU .8300
 RDE .1636 RRA .0209 RC3 -.1154 FAU .08096
 FDE-2.4667 FRA .7456 FC3-6.4247 BSP 15299
 BDE 1.8297 BRA .0252 BC3 5.6904 FSP -1716

MID-COURSE EXECUTION ACCURACY

SGT 4911.1 SGR 296.6 SG3 536.0
 RRT -.4197 RRF -.4510 RTF .9663
 SGB 4920.1 R23 .0486 R13 -.9663
 SG1 4912.7 SG2 269.2 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 3163.3 SR 284.0 SS 1718.7
 CRT -.9982 CRS .9886 CST -.9945
 LSA 3607.7 MSA 160.0 SSA 12.9
 EL1 3176.0 EL2 16.9 ALF 174.88

LAUNCH DATE JUN 16 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 482.091

RL 151.97 LAL -.00 LOL 264.19 VL 26.581 GAL .72 AZL 93.83 HCA 224.35 SMA 127.60 ECC .19136 INC 3.8338 V1 29.317
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.810 GAP 6.30 AZP 87.26 TAL 176.95 TAP 41.30 RCA 103.18 APO 152.02 V2 35.259
 RC 129.165 GL -32.38 GP 5.18 ZAL 86.90 ZAP 150.44 ETS 9.71 ZAE 132.39 ETE 175.20 ZAC 105.77 ETC 16.90 CLP-150.85

PLANETOCENTRIC CONIC

C3 11.014 VHL 3.319 DLA -28.60 RAL 164.00 RAD 6567.4 VEL 11.507 PTH 2.00 VHP 4.783 DPA 16.62 RAP 162.59 ECC 1.1813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.81 10 7 1 873.09 22.82 324.06 23.46 107.72 10 21 34 273.1 25.03 316.07
 94.19 11 17 8 646.01 22.83 307.44 23.46 107.71 11 27 54 46.0 25.04 299.44
 100.00 10 49 42 734.54 17.86 311.91 21.42 114.38 11 1 57 134.5 21.00 304.52
 100.00 13 17 9 5547.84 27.98 258.33 24.92 100.97 14 49 37 4947.8 29.21 249.74
 110.00 10 45 38 747.30 12.45 309.86 18.42 122.09 10 58 6 147.3 16.60 303.21
 110.00 15 37 42 5107.84 34.07 225.80 25.78 92.91 17 2 49 4507.8 34.10 216.55

DIFFERENTIAL CORRECTIONS

TDE-1.8801 TRA .0936 TC3-5.7786 BAU .8512
 RDE .1639 RRA .0264 RC3 -.1486 FAU .07522
 FDE-2.3251 FRA .8240 FC3-5.9127 BSP 15706
 BDE 1.8872 BRA .0973 BC3 5.7805 FSP -1625

MID-COURSE EXECUTION ACCURACY

SGT 5028.0 SGR 304.2 SG3 504.8
 RRT -.3471 RRF -.3741 RTF .9660
 SGB 5037.2 R23 .0403 R13 -.9661
 SG1 5029.1 SG2 285.2 THA 178.79

ORBIT DETERMINATION ACCURACY

ST 3248.3 SR 283.5 SS 1671.7
 CRT -.9964 CRS .9839 CST -.9946
 LSA 3660.8 MSA 156.0 SSA 13.9
 EL1 3260.6 EL2 24.1 ALF 175.03

LAUNCH DATE JUN 16 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 488.096

RL 151.97 LAL -.00 LOL 264.19 VL 26.548 GAL 1.00 AZL 93.78 HCA 227.60 SMA 127.39 ECC .19375 INC 3.7832 V1 29.317
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.787 GAP 6.66 AZP 87.45 TAL 175.81 TAP 43.41 RCA 102.71 APO 152.07 V2 35.259
 RC 131.355 GL -31.59 GP 4.73 ZAL 84.68 ZAP 152.21 ETS 9.46 ZAE 131.71 ETE 175.82 ZAC 104.45 ETC 16.45 CLP-152.59

PLANETOCENTRIC CONIC

C3 11.176 VHL 3.343 DLA -28.90 RAL 166.63 RAD 6567.4 VEL 11.514 PTH 2.01 VHP 4.948 DPA 15.63 RAP 163.87 ECC 1.1839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.99 10 2 33 924.47 22.99 327.89 26.38 108.01 10 17 57 324.5 25.23 319.90
 96.01 11 42 38 600.64 23.00 304.16 26.39 107.99 11 52 38 .6 25.24 296.17
 100.00 11 9 12 708.17 18.59 310.29 24.59 113.84 11 21 0 108.2 21.66 302.84
 100.00 13 18 39 5580.22 27.54 260.64 27.74 102.11 14 51 39 4980.2 28.93 252.11
 110.00 11 0 0 737.12 12.82 309.30 21.41 121.96 11 12 17 137.1 16.95 302.63
 110.00 15 44 21 5124.03 34.01 227.06 28.78 93.65 17 9 45 4524.0 34.14 217.82

DIFFERENTIAL CORRECTIONS

TDE-1.9417 TRA .2093 TC3-5.8351 BAU .8723
 RDE .1668 RRA .0319 RC3 -.1734 FAU .07000
 FDE-2.2018 FRA .8951 FC3-5.4225 BSP 16075
 BDE 1.9488 BRA .2117 BC3 5.8377 FSP -1533

MID-COURSE EXECUTION ACCURACY

SGT 5144.3 SGR 314.7 SG3 476.8
 RRT -.2924 RRF -.3161 RTF .9659
 SGB 5153.9 R23 .0342 R13 -.9659
 SG1 5145.1 SG2 300.9 THA 178.97

ORBIT DETERMINATION ACCURACY

ST 3332.1 SR 286.5 SS 1629.6
 CRT -.9937 CRS .9785 CST -.9948
 LSA 3717.1 MSA 152.5 SSA 14.9
 EL1 3344.2 EL2 32.1 ALF 175.12

LAUNCH DATE JUN 16 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 494.080

RL 151.97 LAL -.00 LOL 264.19 VL 26.514 GAL 1.30 AZL 93.74 HCA 230.84 SMA 127.17 ECC .19630 INC 3.73 V1 29.317
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.762 GAP 7.02 AZP 87.64 TAL 174.65 TAP 45.50 RCA 102.20 APO 152.13 V2 35.259
 RC 133.537 GL -30.78 GP 4.34 ZAL 82.39 ZAP 153.89 ETS 9.25 ZAE 131.09 ETE 176.34 ZAC 103.01 ETC 16.03 CLP-154.23

PLANETOCENTRIC CONIC

C3 11.399 VHL 3.376 DLA -29.20 RAL 169.33 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 5.119 DPA 14.67 RAP 165.25 ECC 1.1876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.57 10 2 0 965.03 23.13 330.93 29.46 108.33 10 18 5 365.0 25.42 322.94
 97.43 12 4 45 5856.27 23.14 279.73 29.46 108.32 13 42 21 5256.3 25.43 271.74
 100.00 11 30 35 677.87 19.42 308.42 27.95 113.19 11 41 53 77.9 22.39 300.88
 100.00 13 18 51 5618.67 26.96 263.35 30.66 103.42 14 52 30 5018.7 28.54 254.90
 110.00 11 14 48 727.57 13.16 308.78 24.56 121.84 11 26 55 127.6 17.28 302.08
 110.00 15 51 8 5141.72 33.93 228.43 31.93 94.46 17 16 50 4541.7 34.17 219.20

DIFFERENTIAL CORRECTIONS

TDE-2.0032 TRA .3339 TC3-5.8505 BAU .8920
 RDE .1716 RRA .0373 RC3 -.1912 FAU .06504
 FDE-2.0864 FRA .9598 FC3-4.9402 BSP 16451
 BDE 2.0105 BRA .3360 BC3 5.8536 FSP -1452

MID-COURSE EXECUTION ACCURACY

SGT 5252.1 SGR 326.6 SG3 450.2
 RRT -.2522 RRF -.2732 RTF .9657
 SGB 5262.2 R23 .0297 R13 -.9657
 SG1 5252.7 SG2 316.0 THA 179.10

ORBIT DETERMINATION ACCURACY

ST 3407.1 SR 292.0 SS 1586.0
 CRT -.9902 CRS .9725 CST -.9950
 LSA 3766.5 MSA 149.5 SSA 15.8
 EL1 3419.4 EL2 40.7 ALF 175.15

LAUNCH DATE JUN 16 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 500.041

RL 151.97 LAL -.00 LOL 264.19 VL 26.480 GAL 1.62 AZL 93.70 HCA 234.09 SMA 126.95 ECC .19904 INC 3.6962 V1 29.317
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.737 GAP 7.38 AZP 87.83 TAL 173.47 TAP 47.56 RCA 101.68 APO 152.21 V2 35.257
 RC 135.709 GL -29.95 GP 4.01 ZAL 80.04 ZAP 155.48 ETS 9.09 ZAE 130.53 ETE 176.78 ZAC 101.48 ETC 15.64 CLP-155.79

PLANETOCENTRIC CONIC

C3 11.685 VHL 3.418 DLA -29.49 RAL 172.10 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 5.294 DPA 13.72 RAP 166.72 ECC 1.1923
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.41 10 3 53 999.59 23.24 333.53 32.67 108.68 10 20 33 399.6 25.58 325.54
 98.59 12 24 57 5832.04 23.25 277.98 32.67 108.66 14 2 9 5232.0 25.58 269.99
 100.00 11 54 26 641.70 20.37 306.15 31.51 112.36 12 5 8 41.7 23.22 298.52
 100.00 13 17 5 5665.16 26.19 266.58 33.65 104.96 14 51 30 5065.2 27.98 258.24
 110.00 11 29 50 719.19 13.46 308.31 27.83 121.72 11 41 50 119.2 17.56 301.60
 110.00 15 58 10 5160.43 33.82 229.88 35.22 95.31 17 24 10 4560.4 34.18 220.66

DIFFERENTIAL CORRECTIONS

TDE-2.0652 TRA .4681 TC3-5.8260 BAU .9107
 RDE .1781 RRA .0425 RC3 -.2025 FAU .06042
 FDE-1.9810 FRA 1.0190 FC3-4.4766 BSP 16808
 BDE 2.0728 BRA .4701 BC3 5.8295 FSP -1378

MID-COURSE EXECUTION ACCURACY

SGT 5353.4 SGR 339.1 SG3 425.4
 RRT -.2249 RRF -.2439 RTF .9656
 SGB 5364.1 R23 .0265 R13 -.9657
 SG1 5353.9 SG2 330.4 THA 179.18

ORBIT DETERMINATION ACCURACY

ST 3474.1 SR 299.6 SS 1543.1
 CRT -.9861 CRS .9662 CST -.9952
 LSA 3810.3 MSA 147.0 SSA 16.5
 EL1 3486.7 EL2 49.6 ALF 175.14

LAUNCH DATE JUN 16 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 505.978

RL 151.97 LAL -.00 LOL 264.19 VL 26.445 GAL 1.95 AZL 93.66 HCA 237.34 SMA 126.72 ECC .20197 INC 3.6579 V1 29.317
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.711 GAP 7.75 AZP 88.02 TAL 172.27 TAP 49.61 RCA 101.13 APO 152.32 V2 35.255
 RC 137.871 GL -29.07 GP 3.73 ZAL 77.65 ZAP 156.99 ETS 8.96 ZAE 130.02 ETE 177.15 ZAC 101.97 ETC 15.28 CLP-157.28

PLANETOCENTRIC CONIC

C3 12.041 VHL 3.470 DLA -29.76 RAL 174.92 RAD 6567.5 VEL 11.551 PTH 2.02 VHP 5.475 DPA 12.77 RAP 168.27 ECC 1.1982
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.44 10 7 39 1029.86 23.31 335.80 36.01 109.05 10 24 49 429.9 25.69 327.82
 99.56 12 43 41 5814.37 23.32 276.69 36.01 109.03 14 20 35 5214.4 25.70 268.72
 100.00 12 23 15 5879.64 21.63 280.88 35.34 111.15 14 1 15 5279.6 24.31 273.10
 100.00 13 10 45 5727.86 25.01 270.87 36.61 106.92 14 46 13 5127.9 27.09 262.69
 110.00 11 44 57 712.51 13.70 307.94 31.22 121.63 11 56 49 112.5 17.79 301.21
 110.00 16 5 33 5179.71 33.69 231.37 38.65 96.19 17 31 53 4579.7 34.17 222.17

DIFFERENTIAL CORRECTIONS

TDE-2.1260 TRA .6122 TC3-5.7625 BAU .9282
 RDE .1863 RRA .0473 RC3 -.2082 FAU .05609
 FDE-1.8813 FRA 1.0734 FC3-4.0327 BSP 17144
 BDE 2.1342 BRA .6140 BC3 5.7662 FSP -1309

MID-COURSE EXECUTION ACCURACY

SGT 5447.2 SGR 351.6 SG3 402.0
 RRT -.2075 RRF -.2247 RTF .9656
 SGB 5458.5 R23 .0241 R13 -.9656
 SG1 5447.7 SG2 343.9 THA 179.23

ORBIT DETERMINATION ACCURACY

ST 3529.8 SR 308.8 SS 1498.4
 CRT -.9815 CRS .9597 CST -.9954
 LSA 3844.3 MSA 145.2 SSA 17.2
 EL1 3542.8 EL2 58.9 ALF 175.09

LAUNCH DATE JUN 16 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 511.890

RL 151.97 LAL -.00 LOL 264.19 VL 26.410 GAL 2.29 AZL 93.62 HCA 240.59 SMA 126.50 ECC .20510 INC 3.6224 V1 29.317
 RP 107.50 LAP 3.16 LOP 144.73 VP 37.684 GAP 8.12 AZP 88.22 TAL 171.05 TAP 51.64 RCA 100.56 APO 152.45 V2 35.253
 RC 140.023 GL -28.17 GP 3.48 ZAL 75.23 ZAP 158.44 ETS 8.87 ZAE 129.56 ETE 177.46 ZAC 98.18 ETC 14.94 CLP-158.71

PLANETOCENTRIC CONIC

C3 12.472 VHL 3.532 DLA -30.00 RAL 177.78 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 5.662 DPA 11.83 RAP 169.88 ECC 1.2053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.65 10 12 58 1056.75 23.32 337.80 39.46 109.43 10 30 35 456.7 25.76 329.84
 100.35 13 1 10 5802.40 23.33 275.81 39.46 109.41 14 37 53 5202.4 25.77 267.85
 79.65 10 12 58 1056.75 23.32 337.80 39.46 109.43 10 30 35 456.7 25.76 329.84
 100.35 13 1 10 5802.40 23.33 275.81 39.46 109.41 14 37 53 5202.4 25.77 267.85
 110.00 11 59 55 708.02 13.86 307.69 34.71 121.56 12 11 43 108.0 17.94 300.95
 110.00 16 13 23 5199.13 33.53 232.87 42.19 97.06 17 40 2 4599.1 34.15 223.68

DIFFERENTIAL CORRECTIONS

TDE-2.1833 TRA .7703 TC3-5.6531 BAU .9432
 RDE .1959 RRA .0515 RC3 -.2092 FAU .05187
 FDE-1.7848 FRA 1.1290 FC3-3.6005 BSP 17391
 BDE 2.1921 BRA .7720 BC3 5.6569 FSP -1236

MID-COURSE EXECUTION ACCURACY

SGT 5529.2 SGR 363.5 SG3 379.8
 RRT -.1973 RRF -.2131 RTF .9653
 SGB 5541.1 R23 .0223 R13 -.9653
 SG1 5529.7 SG2 356.4 THA 179.25

ORBIT DETERMINATION ACCURACY

ST 3570.5 SR 319.2 SS 1450.7
 CRT -.9764 CRS .9526 CST -.9955
 LSA 3864.4 MSA 145.0 SSA 17.7
 EL1 3584.1 EL2 68.6 ALF 175.01

LAUNCH DATE JUN 16 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 517.775

RL 151.97 LAL -0.00 LOL 264.19 VL 26.375 GAL 2.65 AZL 93.59 HCA 243.83 SMA 126.28 ECC .20845 INC 3.5890 V1 29.317
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.656 GAP 8.50 AZP 88.42 TAL 169.82 TAP 53.65 RCA 99.95 APO 152.60 V2 35.249
 RC 142.165 GL -27.24 GP 3.26 ZAL 72.79 ZAP 159.82 ETS 8.82 ZAE 129.15 ETE 177.72 ZAC 96.42 ETC 14.63 CLP-160.08

PLANETOCENTRIC CONIC

C3 12.987 VHL 3.604 DLA -30.21 RAL 180.67 RAD 6567.5 VEL 11.592 PTH 2.03 VHP 5.855 DPA 10.89 RAP 171.55 ECC 1.2137
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.01 10 19 39 1080.79 23.28 339.58 43.01 109.82 10 37 40 480.8 25.77 331.63
 100.99 13 17 30 5795.70 23.29 275.30 43.01 109.81 14 54 6 5195.7 25.78 267.35
 79.01 10 19 39 1080.79 23.28 339.58 43.01 109.82 10 37 40 480.8 25.77 331.63
 100.99 13 17 30 5795.70 23.29 275.30 43.01 109.81 14 54 6 5195.7 25.78 267.35
 110.00 12 14 35 706.21 13.93 307.59 38.27 121.54 12 26 21 106.2 18.00 300.85
 110.00 16 21 45 5218.27 33.36 234.34 45.83 97.91 17 48 43 4618.3 34.10 225.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2421 TRA .9354 TC3-5.5177 BAU .9587 SGT 5611.1 SGR 375.0 SG3 359.4 ST 3603.9 SR 330.6 SS 1404.7
 RDE .2070 RRA .0551 RC3 -.2058 FAU .04807 RRT -.1944 RRF -.2091 RTF .9653 CRT -.9712 CRS .9458 CST -.9957
 FDE-1.6975 FRA 1.1768 FC3-3.2043 BSP 17682 SGB 5623.6 R23 .0211 R13 -.9653 LSA 3879.3 MSA 145.3 SSA 18.1
 BDE 2.2516 BRA .9370 BC3 5.5216 FSP -1174 SG1 5611.6 SG2 367.8 THA 179.25 EL1 3618.1 EL2 78.4 ALF 174.91

LAUNCH DATE JUN 16 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 523.631

RL 151.97 LAL -0.00 LOL 264.19 VL 26.339 GAL 3.04 AZL 93.56 HCA 247.08 SMA 126.05 ECC .21204 INC 3.5575 V1 29.317
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.627 GAP 8.89 AZP 88.61 TAL 168.57 TAP 55.65 RCA 99.32 APO 152.78 V2 35.245
 RC 144.295 GL -26.27 GP 3.06 ZAL 70.35 ZAP 161.15 ETS 8.82 ZAE 128.77 ETE 177.95 ZAC 94.60 ETC 14.34 CLP-161.39

PLANETOCENTRIC CONIC

C3 13.594 VHL 3.687 DLA -30.38 RAL 183.56 RAD 6567.5 VEL 11.618 PTH 2.04 VHP 6.055 DPA 9.94 RAP 173.26 ECC 1.2237
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.51 10 27 31 1102.40 23.17 341.15 46.64 110.22 10 45 54 502.4 25.71 333.23
 101.49 13 32 45 5793.90 23.18 275.12 46.65 110.20 15 9 18 5193.9 25.72 267.20
 78.51 10 27 31 1102.40 23.17 341.15 46.64 110.22 10 45 54 502.4 25.71 333.23
 101.49 13 32 45 5793.90 23.18 275.12 46.65 110.20 15 9 18 5193.9 25.72 267.20
 110.00 12 28 43 707.51 13.88 307.67 41.89 121.56 12 40 31 107.5 17.95 300.92
 110.00 16 30 43 5236.79 33.18 235.75 49.57 98.73 17 58 0 4636.8 34.03 226.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2993 TRA 1.1116 TC3-5.3514 BAU .9732 SGT 5687.5 SGR 385.7 SG3 340.3 ST 3625.1 SR 342.6 SS 1358.1
 RDE .2195 RRA .0581 RC3 -.1987 FAU .04452 RRT -.1965 RRF -.2102 RTF .9653 CRT -.9658 CRS .9390 CST -.9959
 FDE-1.6151 FRA 1.2221 FC3-2.8353 BSP 17967 SGB 5700.6 R23 .0201 R13 -.9653 LSA 3883.5 MSA 146.8 SSA 18.2
 BDE 2.3098 BRA 1.1131 BC3 5.3550 FSP -1117 SG1 5688.0 SG2 378.2 THA 179.23 EL1 3640.2 EL2 88.5 ALF 174.78

LAUNCH DATE JUN 16 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 529.456

RL 151.97 LAL -0.00 LOL 264.19 VL 26.304 GAL 3.44 AZL 93.53 HCA 250.32 SMA 125.83 ECC .21588 INC 3.5274 V1 29.317
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.598 GAP 9.28 AZP 88.81 TAL 167.31 TAP 57.63 RCA 98.66 APO 152.99 V2 35.240
 RC 146.414 GL -25.29 GP 2.89 ZAL 67.91 ZAP 162.43 ETS 8.86 ZAE 128.42 ETE 178.14 ZAC 92.74 ETC 14.08 CLP-162.66

PLANETOCENTRIC CONIC

C3 14.304 VHL 3.782 DLA -30.50 RAL 186.46 RAD 6567.6 VEL 11.649 PTH 2.04 VHP 6.263 DPA 8.99 RAP 175.03 ECC 1.2354
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.16 10 36 29 1121.75 23.00 342.52 50.35 110.61 10 55 11 521.7 25.59 334.64
 101.84 13 46 51 5796.92 23.01 275.27 50.35 110.60 15 23 28 5196.9 25.60 267.38
 78.16 10 36 29 1121.75 23.00 342.52 50.35 110.61 10 55 11 521.7 25.59 334.64
 101.84 13 46 51 5796.92 23.01 275.27 50.35 110.60 15 23 28 5196.9 25.60 267.38
 110.00 12 42 12 712.27 13.71 307.93 45.56 121.62 12 54 5 112.3 17.79 301.20
 110.00 16 40 19 5254.39 32.99 237.09 53.39 99.50 18 7 53 4654.4 33.95 227.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3545 TRA 1.2994 TC3-5.1537 BAU .9862 SGT 5756.7 SGR 395.6 SG3 322.3 ST 3633.9 SR 354.9 SS 1311.3
 RDE .2333 RRA .0603 RC3 -.1888 FAU .04114 RRT -.2027 RRF -.2158 RTF .9653 CRT -.9602 CRS .9322 CST -.9960
 FDE-1.5375 FRA 1.2650 FC3-2.4899 BSP 18225 SGB 5770.2 R23 .0196 R13 -.9653 LSA 3876.7 MSA 149.2 SSA 18.3
 BDE 2.3660 BRA 1.3008 BC3 5.1572 FSP -1063 SG1 5757.2 SG2 387.4 THA 179.20 EL1 3649.9 EL2 98.7 ALF 174.64

LAUNCH DATE JUN 16 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 535.249

RL 151.97 LAL -0.00 LOL 264.19 VL 26.268 GAL 3.86 AZL 93.50 HCA 253.57 SMA 125.60 ECC .22000 INC 3.4986 V1 29.317
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.567 GAP 9.69 AZP 89.01 TAL 166.04 TAP 59.60 RCA 97.97 APO 153.23 V2 35.234
 RC 148.521 GL -24.28 GP 2.74 ZAL 65.49 ZAP 163.66 ETS 8.95 ZAE 128.10 ETE 178.30 ZAC 90.82 ETC 13.84 CLP-163.89

PLANETOCENTRIC CONIC

C3 15.129 VHL 3.890 DLA -30.58 RAL 189.33 RAD 6567.6 VEL 11.684 PTH 2.05 VHP 6.478 DPA 8.03 RAP 176.83 ECC 1.2490
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.95 10 46 24 1139.18 22.75 343.73 54.11 111.00 11 5 23 539.2 25.40 335.87
 102.05 13 59 53 5804.45 22.76 275.74 54.11 110.99 15 36 38 5204.4 25.41 267.88
 77.95 10 46 24 1139.18 22.75 343.73 54.11 111.00 11 5 23 539.2 25.40 335.87
 102.05 13 59 53 5804.45 22.76 275.74 54.11 110.99 15 36 38 5204.4 25.41 267.88
 110.00 12 54 53 720.75 13.41 308.40 49.24 121.74 13 6 54 120.8 17.51 301.69
 110.00 16 50 34 5270.87 32.80 238.34 57.28 100.22 18 18 25 4670.9 33.86 229.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4040 TRA 1.5025 TC3-4.9235 BAU .9965 SGT 5815.4 SGR 404.6 SG3 305.3 ST 3626.1 SR 367.0 SS 1262.2
 RDE .2482 RRA .0614 RC3 -.1769 FAU .03784 RRT -.2115 RRF -.2237 RTF .9651 CRT -.9543 CRS .9249 CST -.9961
 FDE-1.4609 FRA 1.3090 FC3-2.1653 BSP 18390 SGB 5829.4 R23 .0190 R13 -.9651 LSA 3853.9 MSA 153.2 SSA 18.1
 BDE 2.4168 BRA 1.5037 BC3 4.9267 FSP -1007 SG1 5816.0 SG2 395.4 THA 179.15 EL1 3642.9 EL2 109.2 ALF 174.48

LAUNCH DATE JUN 16 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 541.005

RL 151.97 LAL -.00 LOL 264.19 VL 26.232 GAL 4.31 AZL 93.47 HCA 256.81 SMA 125.38 ECC .22441 INC 3.4707 V1 29.317
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.536 GAP 10.11 AZP 89.21 TAL 164.76 TAP 61.57 RCA 97.24 APO 153.52 V2 35.228
 RC 150.615 GL -23.26 GP 2.60 ZAL 63.10 ZAP 164.86 ETS 9.11 ZAE 127.81 ETE 178.44 ZAC 88.87 ETC 13.63 CLP-165.08

PLANETOCENTRIC CONIC

C3 16.082 VHL 4.010 DLA -30.60 RAL 192.17 RAD 6567.6 VEL 11.725 PTH 2.07 VHP 6.703 DPA 7.07 RAP 178.66 ECC 1.2647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.88 10 57 13 1154.65 22.43 344.75 57.91 111.39 11 16 27 554.6 25.13 336.94
 102.12 14 11 45 5816.57 22.44 276.51 57.91 111.38 15 48 42 5216.6 25.14 268.70
 77.88 10 57 13 1154.65 22.43 344.75 57.91 111.39 11 16 27 554.6 25.13 336.94
 102.12 14 11 45 5816.57 22.44 276.51 57.91 111.38 15 48 42 5216.6 25.14 268.70
 110.00 13 6 40 733.13 12.96 309.08 52.93 121.91 13 18 53 133.1 17.09 302.40
 110.00 17 1 29 5286.09 32.61 239.49 61.22 100.87 18 29 35 4686.1 33.76 230.44

DIFFERENTIAL CORRECTIONS

TOE-2.4548 TRA 1.7141 TC3-4.6823 BAU 1.0073
 RDE .2644 RRA .0616 RC3 -.1632 FAU .03488
 FDE-1.3918 FRA 1.3480 FC3-1.8774 BSP 18618
 BOE 2.4690 BRA 1.7152 BC3 4.6852 FSP -959

MID-COURSE EXECUTION ACCURACY

SGT 5873.7 SGR 412.7 SG3 289.5
 RRT -.2237 RRF -.2352 RTF .9651
 SGB 5888.2 R23 .0187 R13 -.9652
 SG1 5874.4 SG2 402.2 THA 179.10

ORBIT DETERMINATION ACCURACY

ST 3611.4 SR 379.1 SS 1215.8
 CRT -.9485 CRS .9180 CST -.9962
 LSA 3826.1 MSA 157.6 SSA 17.9
 EL1 3629.3 EL2 119.5 ALF 174.31

LAUNCH DATE JUN 16 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 546.722

RL 151.97 LAL -.00 LOL 264.19 VL 26.196 GAL 4.77 AZL 93.44 HCA 260.05 SMA 125.16 ECC .22915 INC 3.4435 V1 29.317
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.505 GAP 10.54 AZP 89.40 TAL 163.47 TAP 63.53 RCA 96.48 APO 153.83 V2 35.221
 RC 152.696 GL -22.23 GP 2.48 ZAL 60.75 ZAP 166.02 ETS 9.33 ZAE 127.54 ETE 178.55 ZAC 86.88 ETC 13.44 CLP-166.23

PLANETOCENTRIC CONIC

C3 17.179 VHL 4.145 DLA -30.58 RAL 194.97 RAD 6567.7 VEL 11.771 PTH 2.08 VHP 6.938 DPA 6.10 RAP 180.52 ECC 1.2827
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.94 11 8 50 1168.32 22.03 345.61 61.73 111.76 11 28 18 568.3 24.79 337.84
 102.06 14 22 27 5833.16 22.04 277.58 61.74 111.75 15 59 40 5233.2 24.80 269.81
 77.94 11 8 50 1168.32 22.03 345.61 61.73 111.76 11 28 18 568.3 24.79 337.84
 102.06 14 22 27 5833.16 22.04 277.58 61.74 111.75 15 59 40 5233.2 24.80 269.81
 110.00 13 17 28 749.43 12.37 309.98 56.60 122.12 13 29 57 149.4 16.53 303.34
 110.00 17 13 0 5300.05 32.43 240.53 65.21 101.47 18 41 20 4700.1 33.66 231.52

DIFFERENTIAL CORRECTIONS

TOE-2.5032 TRA 1.9391 TC3-4.4239 BAU 1.0166
 RDE .2817 RRA .0607 RC3 -.1485 FAU .03206
 FDE-1.3264 FRA 1.3862 FC3-1.6154 BSP 18831
 BOE 2.5190 BRA 1.9401 BC3 4.4264 FSP -915

MID-COURSE EXECUTION ACCURACY

SGT 5926.0 SGR 419.9 SG3 274.7
 RRT -.2382 RRF -.2489 RTF .9652
 SGB 5940.9 R23 .0184 R13 -.9652
 SG1 5926.9 SG2 407.8 THA 179.03

ORBIT DETERMINATION ACCURACY

ST 3585.9 SR 390.6 SS 1169.9
 CRT -.9424 CRS .9109 CST -.9963
 LSA 3788.5 MSA 162.9 SSA 17.5
 EL1 3604.8 EL2 129.9 ALF 174.13

LAUNCH DATE JUN 16 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 552.395

RL 151.97 LAL -.00 LOL 264.19 VL 26.160 GAL 5.27 AZL 93.42 HCA 263.29 SMA 124.93 ECC .23424 INC 3.4169 V1 29.317
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.472 GAP 10.99 AZP 89.60 TAL 162.19 TAP 65.48 RCA 95.67 APO 154.20 V2 35.214
 RC 154.762 GL -21.20 GP 2.37 ZAL 58.45 ZAP 167.15 ETS 9.64 ZAE 127.29 ETE 178.65 ZAC 84.86 ETC 13.27 CLP-167.36

PLANETOCENTRIC CONIC

C3 18.440 VHL 4.294 DLA -30.51 RAL 197.71 RAD 6567.7 VEL 11.825 PTH 2.09 VHP 7.184 DPA 5.13 RAP 182.41 ECC 1.3035
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.13 11 21 11 1180.28 21.57 346.30 65.57 112.12 11 40 51 580.3 24.38 338.58
 101.87 14 31 57 5854.15 21.58 278.95 65.58 112.11 16 9 31 5254.2 24.39 271.23
 78.13 11 21 11 1180.28 21.57 346.30 65.57 112.12 11 40 51 580.3 24.38 338.58
 101.87 14 31 57 5854.15 21.58 278.95 65.58 112.11 16 9 31 5254.2 24.39 271.23
 110.00 13 27 16 769.59 11.64 311.08 60.25 122.37 13 40 6 169.6 15.83 304.48
 110.00 17 25 2 5312.83 32.25 241.49 69.24 102.01 18 53 35 4712.8 33.56 232.50

DIFFERENTIAL CORRECTIONS

TOE-2.5491 TRA 2.1779 TC3-4.1527 BAU 1.0243
 RDE .3001 RRA .0585 RC3 -.1333 FAU .02939
 FDE-1.2645 FRA 1.4237 FC3-1.3797 BSP 19020
 BOE 2.5667 BRA 2.1787 BC3 4.1549 FSP -873

MID-COURSE EXECUTION ACCURACY

SGT 5972.1 SGR 426.2 SG3 260.8
 RRT -.2544 RRF -.2642 RTF .9653
 SGB 5987.3 R23 .0180 R13 -.9653
 SG1 5973.1 SG2 412.1 THA 178.96

ORBIT DETERMINATION ACCURACY

ST 3550.2 SR 401.3 SS 1125.1
 CRT -.9362 CRS .9037 CST -.9964
 LSA 3741.9 MSA 168.8 SSA 17.1
 EL1 3570.0 EL2 140.2 ALF 173.95

LAUNCH DATE JUN 16 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 558.022

RL 151.97 LAL -.00 LOL 264.19 VL 26.124 GAL 5.79 AZL 93.39 HCA 266.53 SMA 124.71 ECC .23971 INC 3.3907 V1 29.317
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.439 GAP 11.46 AZP 89.79 TAL 160.90 TAP 67.43 RCA 94.82 APO 154.61 V2 35.205
 RC 156.813 GL -20.16 GP 2.27 ZAL 56.20 ZAP 168.25 ETS 10.05 ZAE 127.05 ETE 178.73 ZAC 82.81 ETC 13.13 CLP-168.47

PLANETOCENTRIC CONIC

C3 19.885 VHL 4.459 DLA -30.40 RAL 200.38 RAD 6567.8 VEL 11.886 PTH 2.11 VHP 7.442 DPA 4.16 RAP 184.32 ECC 1.3273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.46 11 34 14 1190.46 21.03 346.82 69.41 112.47 11 54 4 590.5 23.89 339.16
 101.54 14 40 12 5879.60 21.04 280.62 69.42 112.46 16 18 11 5279.6 23.90 272.95
 78.46 11 34 14 1190.46 21.03 346.82 69.41 112.47 11 54 4 590.5 23.89 339.16
 101.54 14 40 12 5879.60 21.04 280.62 69.42 112.46 16 18 11 5279.6 23.90 272.95
 110.00 13 36 5 793.45 10.77 312.38 63.86 122.64 13 49 19 193.5 15.00 305.83
 110.00 17 37 31 5324.60 32.08 242.36 73.29 102.50 19 6 15 4724.6 33.47 233.41

DIFFERENTIAL CORRECTIONS

TOE-2.5897 TRA 2.4340 TC3-3.8671 BAU 1.0285
 RDE .3193 RRA .0550 RC3 -.1183 FAU .02675
 FDE-1.2043 FRA 1.4625 FC3-1.1647 BSP 19118
 BOE 2.6093 BRA 2.4346 BC3 3.8689 FSP -829

MID-COURSE EXECUTION ACCURACY

SGT 6009.5 SGR 431.4 SG3 247.7
 RRT -.2715 RRF -.2802 RTF .9653
 SGB 6024.9 R23 .0175 R13 -.9653
 SG1 6010.6 SG2 415.1 THA 178.88

ORBIT DETERMINATION ACCURACY

ST 3502.3 SR 411.0 SS 1080.3
 CRT -.9296 CRS .8959 CST -.9964
 LSA 3683.9 MSA 175.6 SSA 16.7
 EL1 3523.1 EL2 150.6 ALF 173.76

LAUNCH DATE JUN 16 1967

FLIGHT TIME 198.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 563.594

RL 151.97 LAL -0.00 LOL 264.19 VL 26.088 GAL 6.34 AZL 93.36 MCA 269.77 SMA 124.49 ECC .24561 INC 3.3647 V1 29.317
 RP 107.67 LAP 3.36 LOP 173.96 VP 37.406 GAP 11.95 AZP 89.99 TAL 159.61 TAP 69.38 RCA 93.92 APO 155.07 V2 35.197
 RC 158.850 GL -19.14 GP 2.18 ZAL 54.01 ZAP 169.32 ETS 10.60 ZAE 126.83 ETE 178.80 ZAC 80.74 ETC 13.01 CLP-169.55

PLANETOCENTRIC CONIC

C3 21.540 VHL 4.641 OLA -30.24 RAL 202.97 RAD 6567.9 VEL 11.955 PTH 2.13 VHP 7.714 DPA 3.19 RAP 186.24 ECC 1.3545
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.93 11 48 1 1198.65 20.42 347.17 73.24 112.79 12 7 59 598.7 23.34 339.55
 101.07 14 47 5 621.64 20.44 304.69 73.25 112.78 14 57 27 21.6 23.35 297.08
 78.93 11 48 1 1198.65 20.42 347.17 73.24 112.79 12 7 59 598.7 23.34 339.55
 101.07 14 47 5 621.64 20.44 304.69 73.25 112.78 14 57 27 21.6 23.35 297.08
 110.00 13 43 57 820.77 9.76 313.85 67.42 122.92 13 57 38 220.8 14.03 307.36
 110.00 17 50 19 5335.56 31.91 243.18 77.36 102.95 19 19 14 4735.6 33.37 234.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6326 TRA 2.7015 TC3-3.5860 BAU 1.0331 SGT 6045.2 SGR 435.8 SG3 235.5 ST 3451.6 SR 419.6 SS 1039.0
 RDE .3394 RRA .0502 RC3 -.1034 FAU .02437 RRT -.2906 RRF -.2982 RTF .9655 CRT -.9229 CRS .8885 CST -.9965
 FDE-1.1503 FRA 1.4988 FC3 -.9796 BSP 19288 SGB 6060.9 R23 .0170 R13 -.9655 LSA 3624.3 MSA 182.3 SSA 16.2
 BDE 2.6544 BRA 2.7020 BC3 3.5875 FSP -792 SG1 6046.5 SG2 416.9 THA 178.79 EL1 3473.3 EL2 160.5 ALF 173.58

LAUNCH DATE JUN 16 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 569.107

RL 151.97 LAL -0.00 LOL 264.19 VL 26.052 GAL 6.93 AZL 93.34 MCA 273.00 SMA 124.27 ECC .25197 INC 3.3386 V1 29.317
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.372 GAP 12.46 AZP 90.18 TAL 158.32 TAP 71.33 RCA 92.96 APO 155.59 V2 35.187
 RC 160.871 GL -18.13 GP 2.10 ZAL 51.89 ZAP 170.38 ETS 11.31 ZAE 126.62 ETE 178.85 ZAC 78.66 ETC 12.91 CLP-170.61

PLANETOCENTRIC CONIC

C3 23.434 VHL 4.841 OLA -30.04 RAL 205.47 RAD 6568.0 VEL 12.034 PTH 2.15 VHP 8.002 DPA 2.22 RAP 188.19 ECC 1.3857
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.53 12 2 35 1204.52 19.76 347.30 77.05 113.10 12 22 39 604.5 22.71 339.74
 100.47 14 52 30 656.68 19.77 307.00 77.06 113.09 15 3 26 56.7 22.73 299.44
 79.53 12 2 35 1204.52 19.76 347.30 77.05 113.10 12 22 39 604.5 22.71 339.74
 100.47 14 52 30 656.68 19.77 307.00 77.06 113.09 15 3 26 56.7 22.73 299.44
 110.00 13 50 56 851.28 8.63 315.49 70.93 123.20 14 5 7 251.3 12.94 309.05
 110.00 18 3 19 5345.97 31.75 243.95 81.43 103.38 19 32 25 4746.0 33.27 235.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6742 TRA 2.9848 TC3-3.3039 BAU 1.0354 SGT 6074.8 SGR 439.3 SG3 224.1 ST 3395.0 SR 426.9 SS 1000.1
 RDE .3604 RRA .0438 RC3 -.0892 FAU .02211 RRT -.3108 RRF -.3172 RTF .9658 CRT -.9161 CRS .8809 CST -.9966
 FDE-1.1001 FRA 1.5351 FC3 -.8168 BSP 19446 SGB 6090.7 R23 .0164 R13 -.9658 LSA 3559.9 MSA 189.1 SSA 15.7
 BDE 2.6984 BRA 2.9851 BC3 3.3051 FSP -757 SG1 6076.4 SG2 417.4 THA 178.71 EL1 3417.6 EL2 170.0 ALF 173.41

LAUNCH DATE JUN 16 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 574.553

RL 151.97 LAL -0.00 LOL 264.19 VL 26.016 GAL 7.55 AZL 93.31 MCA 276.24 SMA 124.06 ECC .25884 INC 3.3125 V1 29.317
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.338 GAP 12.99 AZP 90.36 TAL 157.05 TAP 73.28 RCA 91.95 APO 156.17 V2 35.178
 RC 162.878 GL -17.13 GP 2.02 ZAL 49.85 ZAP 171.42 ETS 12.26 ZAE 126.41 ETE 178.90 ZAC 76.56 ETC 12.85 CLP-171.66

PLANETOCENTRIC CONIC

C3 25.602 VHL 5.060 OLA -29.80 RAL 207.88 RAD 6568.0 VEL 12.123 PTH 2.17 VHP 8.307 DPA 1.24 RAP 190.15 ECC 1.4214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.30 12 18 2 1207.66 19.03 347.20 80.84 113.38 12 38 9 607.7 22.03 339.70
 99.70 14 56 17 697.03 19.04 309.67 80.85 113.37 15 7 54 97.0 22.04 302.17
 100.00 14 38 59 752.30 17.36 312.99 80.06 114.73 14 51 31 152.3 20.55 305.64
 100.00 15 18 1 627.62 20.73 305.27 81.60 112.03 15 28 28 27.6 23.54 297.59
 110.00 13 57 4 884.65 7.38 317.27 74.38 123.47 14 11 49 284.7 11.73 310.88
 110.00 18 16 25 5356.08 31.59 244.69 85.50 103.79 19 45 41 4756.1 33.16 235.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7145 TRA 3.2855 TC3-3.0241 BAU 1.0354 SGT 6098.8 SGR 441.8 SG3 213.3 ST 3333.3 SR 432.8 SS 963.2
 RDE .3820 RRA .0358 RC3 -.0760 FAU .01994 RRT -.3317 RRF -.3368 RTF .9662 CRT -.9090 CRS .8731 CST -.9967
 FDE-1.0531 FRA 1.5721 FC3 -.6743 BSP 19578 SGB 6114.8 R23 .0157 R13 -.9662 LSA 3491.0 MSA 195.9 SSA 15.3
 BDE 2.7412 BRA 3.2857 BC3 3.0251 FSP -723 SG1 6100.6 SG2 416.7 THA 178.62 EL1 3356.5 EL2 179.1 ALF 173.25

LAUNCH DATE JUN 16 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 579.923

RL 151.97 LAL -0.00 LOL 264.19 VL 25.981 GAL 8.21 AZL 93.29 MCA 279.47 SMA 123.85 ECC .26628 INC 3.2860 V1 29.317
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.304 GAP 13.56 AZP 90.54 TAL 155.78 TAP 75.25 RCA 90.87 APO 156.82 V2 35.167
 RC 164.869 GL -16.15 GP 1.96 ZAL 47.88 ZAP 172.44 ETS 13.52 ZAE 126.20 ETE 178.93 ZAC 74.45 ETC 12.81 CLP-172.70

PLANETOCENTRIC CONIC

C3 28.087 VHL 5.300 OLA -29.53 RAL 210.20 RAD 6568.1 VEL 12.225 PTH 2.20 VHP 8.632 DPA .28 RAP 192.11 ECC 1.4622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.24 12 34 31 1207.38 18.24 346.82 84.59 113.63 12 54 39 607.4 21.28 339.38
 98.76 14 58 14 743.30 18.26 312.74 84.60 113.62 15 10 37 143.3 21.30 305.30
 100.00 14 28 46 837.60 14.86 318.09 82.95 116.24 14 42 44 237.6 18.26 310.95
 100.00 15 46 40 5876.35 21.71 280.67 86.11 111.06 17 24 37 5276.4 24.38 272.89
 110.00 14 2 26 920.59 6.03 319.17 77.78 123.71 14 17 47 320.6 10.42 312.83
 110.00 18 29 30 5366.12 31.43 245.43 89.56 104.20 19 58 56 4766.1 33.06 236.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7505 TRA 3.6084 TC3-2.7434 BAU 1.0304 SGT 6115.6 SGR 443.3 SG3 203.3 ST 3264.8 SR 437.0 SS 927.9
 RDE .4041 RRA .0261 RC3 -.0640 FAU .01777 RRT -.3528 RRF -.3563 RTF .9666 CRT -.9013 CRS .8645 CST -.9968
 FDE-1.0077 FRA 1.6119 FC3 -.5477 BSP 19598 SGB 6131.6 R23 .0147 R13 -.9666 LSA 3416.1 MSA 202.8 SSA 14.8
 BDE 2.7800 BRA 3.6085 BC3 2.7442 FSP -687 SG1 6117.6 SG2 414.6 THA 178.53 EL1 3288.5 EL2 188.0 ALF 173.10

LAUNCH DATE JUN 16 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 585.206

RL 151.97 LAL -.00 LOL 264.19 VL 25.945 GAL 8.91 AZL 93.26 HCA 282.70 SMA 123.63 ECC .27434 INC 3.2591 V1 29.317
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.269 GAP 14.16 AZP 90.72 TAL 154.53 TAP 77.23 RCA 89.72 APO 157.55 V2 35.156
 RC 166.846 GL -15.19 GP 1.90 ZAL 45.99 ZAP 173.45 ETS 15.23 ZAE 126.00 ETE 178.96 ZAC 72.34 ETC 12.80 CLP-173.73

PLANETOCENTRIC CONIC

C3 30.937 VHL 5.562 OLA -29.23 RAL 212.41 RAD 6568.2 VEL 12.341 PTH 2.23 VHP 8.978 DPA -.69 RAP 194.09 ECC 1.5091
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.42 12 52 35 1201.88 17.41 346.03 88.31 113.86 13 12 37 601.9 20.49 338.64
 97.58 14 57 47 797.19 17.42 316.34 88.31 113.85 15 11 5 197.2 20.50 308.95
 100.00 14 23 50 906.14 12.76 322.09 86.00 117.26 14 38 56 306.1 16.31 315.10
 100.00 16 9 14 5856.20 22.20 279.37 90.39 110.55 17 46 50 5256.2 24.80 271.53
 110.00 14 7 6 958.80 4.58 321.18 81.12 123.91 14 23 5 358.8 9.00 314.88
 110.00 18 42 27 5376.30 31.25 246.17 93.59 104.61 20 12 3 4776.3 32.94 237.35

DIFFERENTIAL CORRECTIONS

TDE-2.7916 TRA 3.9462 TC3-2.4778 BAU 1.0251
 RDE .4268 RRA .0147 RC3 -.0531 FAU .01581
 FDE -.9684 FRA 1.6503 FC3 -.4424 BSP 19713
 BDE 2.8241 BRA 3.9463 BC3 2.4784 FSP -657

MID-COURSE EXECUTION ACCURACY

SGT 6129.2 SGR 444.0 SG3 193.8
 RRT -.3751 RRF -.3772 RTF .9673
 SGB 6145.3 R23 .0137 R13 -.9673
 SG1 6131.5 SG2 411.4 THA 178.44

ORBIT DETERMINATION ACCURACY

ST 3198.3 SR 439.7 SS 896.9
 CRT -.8938 CRS .8567 CST -.9969
 LSA 3344.2 MSA 208.9 SSA 14.3
 EL1 3222.5 EL2 195.8 ALF 172.97

LAUNCH DATE JUN 16 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 590.389

RL 151.97 LAL -.00 LOL 264.19 VL 25.911 GAL 9.66 AZL 93.23 HCA 285.93 SMA 123.43 ECC .28311 INC 3.2314 V1 29.317
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.234 GAP 14.80 AZP 90.89 TAL 153.30 TAP 79.22 RCA 88.48 APO 158.37 V2 35.145
 RC 168.808 GL -14.25 GP 1.84 ZAL 44.19 ZAP 174.44 ETS 17.65 ZAE 125.79 ETE 178.98 ZAC 70.22 ETC 12.81 CLP-174.76

PLANETOCENTRIC CONIC

C3 34.212 VHL 5.849 OLA -28.91 RAL 214.51 RAD 6568.3 VEL 12.473 PTH 2.26 VHP 9.349 DPA -1.64 RAP 196.07 ECC 1.5630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.94 13 13 9 1188.04 16.53 344.60 91.98 114.05 13 32 57 588.0 19.64 337.27
 96.06 14 54 0 861.71 16.54 320.69 91.98 114.05 15 8 22 261.7 19.65 313.35
 100.00 14 20 31 969.45 10.75 325.72 89.07 118.06 14 36 41 369.4 14.42 318.86
 100.00 16 29 20 5843.57 22.50 278.55 94.55 110.22 18 6 43 5243.6 25.05 270.68
 110.00 14 11 8 999.00 3.05 323.29 84.40 124.06 14 27 47 399.0 7.50 317.03
 110.00 18 55 13 5386.79 31.07 246.93 97.60 105.03 20 25 0 4786.8 32.82 238.15

DIFFERENTIAL CORRECTIONS

TDE-2.8335 TRA 4.3056 TC3-2.2213 BAU 1.0161
 RDE .4500 RRA .0015 RC3 -.0434 FAU .01393
 FDE -.9325 FRA 1.6905 FC3 -.3524 BSP 19812
 BDE 2.8690 BRA 4.3056 BC3 2.2217 FSP -629

MID-COURSE EXECUTION ACCURACY

SGT 6137.4 SGR 443.7 SG3 185.0
 RRT -.3979 RRF -.3985 RTF .9682
 SGB 6153.4 R23 .0127 R13 -.9682
 SG1 6140.0 SG2 406.9 THA 178.34

ORBIT DETERMINATION ACCURACY

ST 3130.3 SR 440.8 SS 868.7
 CRT -.8861 CRS .8487 CST -.9970
 LSA 3271.4 MSA 214.4 SSA 13.9
 EL1 3154.7 EL2 202.8 ALF 172.86

LAUNCH DATE JUN 16 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 595.457

RL 151.97 LAL -.00 LOL 264.19 VL 25.876 GAL 10.47 AZL 93.20 HCA 289.15 SMA 123.22 ECC .29265 INC 3.2029 V1 29.317
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.199 GAP 15.48 AZP 91.05 TAL 152.09 TAP 81.24 RCA 87.16 APO 159.28 V2 35.134
 RC 170.755 GL -13.34 GP 1.79 ZAL 42.47 ZAP 175.42 ETS 21.22 ZAE 125.57 ETE 178.99 ZAC 68.11 ETC 12.86 CLP-175.79

PLANETOCENTRIC CONIC

C3 37.983 VHL 6.163 OLA -28.56 RAL 216.50 RAD 6568.5 VEL 12.623 PTH 2.29 VHP 9.748 DPA -2.58 RAP 198.06 ECC 1.6251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.15 13 39 14 1155.91 15.61 341.81 95.59 114.22 13 58 30 555.9 18.75 334.53
 93.85 14 43 50 946.66 15.62 326.50 95.60 114.21 14 59 37 346.7 18.76 319.21
 100.00 14 17 57 1030.24 8.79 329.16 92.12 118.69 14 35 7 430.2 12.55 322.40
 100.00 16 47 49 5835.60 22.69 278.03 98.63 110.00 18 25 5 5235.6 25.21 270.14
 110.00 14 14 33 1040.92 1.45 325.48 87.63 124.16 14 31 54 440.9 5.92 319.24
 110.00 19 7 42 5397.69 30.88 247.72 101.56 105.46 20 37 40 4797.7 32.68 238.97

DIFFERENTIAL CORRECTIONS

TDE-2.8770 TRA 4.6881 TC3-1.9754 BAU 1.0033
 RDE .4735 RRA -.0137 RC3 -.0350 FAU .01210
 FDE -.9000 FRA 1.7328 FC3 -.2759 BSP 19892
 BDE 2.9158 BRA 4.6882 BC3 1.9757 FSP -602

MID-COURSE EXECUTION ACCURACY

SGT 6140.5 SGR 442.6 SG3 176.6
 RRT -.4210 RRF -.4202 RTF .9692
 SGB 6156.4 R23 .0115 R13 -.9692
 SG1 6143.3 SG2 401.3 THA 178.25

ORBIT DETERMINATION ACCURACY

ST 3061.9 SR 440.3 SS 843.5
 CRT -.8782 CRS .8408 CST -.9972
 LSA 3198.8 MSA 219.2 SSA 13.4
 EL1 3086.4 EL2 208.9 ALF 172.77

LAUNCH DATE JUN 16 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 600.390

RL 151.97 LAL -.00 LOL 264.19 VL 25.842 GAL 11.33 AZL 93.17 HCA 292.38 SMA 123.02 ECC .30307 INC 3.1732 V1 29.317
 RP 107.90 LAP 2.93 LOP 196.60 VP 37.164 GAP 16.21 AZP 91.21 TAL 150.91 TAP 83.29 RCA 85.73 APO 160.30 V2 35.122
 RC 172.686 GL -12.45 GP 1.74 ZAL 40.84 ZAP 176.37 ETS 26.83 ZAE 125.35 ETE 179.00 ZAC 66.00 ETC 12.94 CLP-176.82

PLANETOCENTRIC CONIC

C3 42.337 VHL 6.507 OLA -28.19 RAL 218.39 RAD 6568.6 VEL 12.795 PTH 2.33 VHP 10.179 DPA -3.52 RAP 200.04 ECC 1.6968
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 55 5 1156.51 12.49 340.36 98.11 115.62 14 14 21 556.5 15.83 333.28
 90.00 14 43 3 1000.88 16.87 331.04 100.16 113.09 14 59 44 400.9 19.85 323.63
 100.00 14 15 45 1089.63 6.83 332.49 95.14 119.17 14 33 54 489.6 10.67 325.80
 100.00 17 5 4 5831.03 22.79 277.73 102.64 109.88 18 42 15 5231.0 25.29 269.83
 110.00 14 17 26 1084.33 -.21 327.74 90.79 124.18 14 35 30 484.3 4.27 321.53
 110.00 19 19 52 5409.10 30.67 248.54 105.48 105.90 20 50 1 4809.1 32.54 239.83

DIFFERENTIAL CORRECTIONS

TDE-2.9229 TRA 5.0965 TC3-1.7409 BAU .9855
 RDE .4973 RRA -.0309 RC3 -.0280 FAU .01033
 FDE -.8708 FRA 1.7779 FC3 -.2112 BSP 19946
 BDE 2.9649 BRA 5.0965 BC3 1.7411 FSP -576

MID-COURSE EXECUTION ACCURACY

SGT 6138.4 SGR 440.5 SG3 168.8
 RRT -.4444 RRF -.4421 RTF .9704
 SGB 6154.2 R23 .0102 R13 -.9704
 SG1 6141.6 SG2 394.4 THA 178.17

ORBIT DETERMINATION ACCURACY

ST 2993.7 SR 438.0 SS 821.2
 CRT -.8703 CRS .8330 CST -.9973
 LSA 3127.1 MSA 223.2 SSA 13.0
 EL1 3018.0 EL2 214.0 ALF 172.71

LAUNCH DATE JUN 16 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 605.166

RL 151.97 LAL -1.00 LOL 264.19 VL 25.808 GAL 12.26 AZL 93.14 HCA 295.60 SMA 122.82 ECC .31448 INC 3.1422 V1 29.317
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.129 GAP 17.00 AZP 91.36 TAL 149.78 TAP 85.37 RCA 84.20 APO 161.45 V2 35.110
 RC 174.603 GL -11.59 GP 1.70 ZAL 39.30 ZAP 177.27 ETS 36.52 ZAE 125.10 ETE 179.00 ZAC 63.91 ETC 13.05 CLP-177.86

PLANETOCENTRIC CONIC

C3 47.381 VHL 6.883 DLA -27.80 RAL 220.16 RAD 6568.8 VEL 12.990 PTH 2.37 VHP 10.646 DPA -4.43 RAP 202.02 ECC 1.7798
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 38 26 1262.12 9.30 346.49 100.51 116.87 13 59 28 662.1 12.83 339.59
 90.00 15 13 50 951.86 18.15 328.01 104.65 112.12 15 29 42 351.9 20.99 320.49
 100.00 14 13 42 1148.13 4.88 335.73 98.12 119.53 14 32 50 548.1 8.77 329.11
 100.00 17 21 15 5829.13 22.84 277.61 106.57 109.83 18 58 25 5229.1 25.33 269.70
 110.00 14 19 47 1129.00 -1.92 330.07 93.90 124.14 14 38 36 529.0 2.57 323.87
 110.00 19 31 40 5421.02 30.44 249.40 109.34 106.36 21 2 1 4821.0 32.38 240.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.9691 TRA 5.5356 TC3-1.5164 BAU .9607 SGT 6131.5 SGR 437.5 SG3 161.5 ST 2924.6 SR 434.1 SS 801.5
 RDE .5212 RRA -.0503 RC3 -.0223 FAU .00854 RRT -.4678 RRF -.4640 RTF .9717 CRT -.8620 CRS .8249 CST -.9975
 FDE -.8438 FRA 1.8271 FC3 -.1560 BSP 19914 SGB 6147.1 R23 .0087 R13 -.9717 LSA 3055.0 MSA 226.5 SSA 12.5
 BDE 3.0145 BRA 5.5358 BC3 1.5166 FSP -549 SG1 6135.0 SG2 386.5 THA 178.08 EL1 2948.6 EL2 218.2 ALF 172.67

LAUNCH DATE JUN 16 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 18 1968

HELIOCENTRIC CONIC

DISTANCE 609.755

RL 151.97 LAL -1.00 LOL 264.19 VL 25.775 GAL 13.27 AZL 93.11 HCA 298.82 SMA 122.63 ECC .32700 INC 3.1095 V1 29.317
 RP 107.97 LAP 2.72 LOP 203.04 VP 37.094 GAP 17.85 AZP 91.50 TAL 148.69 TAP 87.50 RCA 82.53 APO 162.73 V2 35.097
 RC 176.504 GL -10.75 GP 1.66 ZAL 37.86 ZAP 178.02 ETS 54.90 ZAE 124.84 ETE 179.00 ZAC 61.83 ETC 13.19 CLP-178.92

PLANETOCENTRIC CONIC

C3 53.247 VHL 7.297 DLA -27.39 RAL 221.82 RAD 6568.9 VEL 13.214 PTH 2.41 VHP 11.154 DPA -5.33 RAP 203.99 ECC 1.8763
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 29 9 1343.46 6.77 351.12 103.15 117.56 13 51 32 743.5 10.41 344.33
 90.00 15 36 22 928.67 18.74 326.56 108.75 111.63 15 51 51 328.7 21.51 318.99
 100.00 14 11 41 1206.02 2.93 338.92 101.04 119.76 14 31 47 606.0 6.87 332.35
 100.00 17 36 31 5829.38 22.83 277.62 110.41 109.84 19 13 40 5229.4 25.33 269.71
 110.00 14 21 38 1174.73 -3.66 332.46 96.95 124.01 14 41 13 574.7 .82 326.25
 110.00 19 43 3 5433.43 30.20 250.29 113.14 106.83 21 13 36 4833.4 32.20 241.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.0239 TRA 6.0016 TC3-1.3083 BAU .9314 SGT 6119.7 SGR 433.6 SG3 154.6 ST 2859.4 SR 428.6 SS 785.9
 RDE .5453 RRA -.0718 RC3 -.0176 FAU .00685 RRT -.4916 RRF -.4866 RTF .9733 CRT -.8543 CRS .8178 CST -.9977
 FDE -.8220 FRA 1.8787 FC3 -.1114 BSP 19955 SGB 6135.1 R23 .0073 R13 -.9733 LSA 2987.5 MSA 228.4 SSA 12.1
 BDE 3.0727 BRA 6.0021 BC3 1.3084 FSP -526 SG1 6123.4 SG2 377.4 THA 178.00 EL1 2882.9 EL2 221.0 ALF 172.66

LAUNCH DATE JUN 16 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 20 1968

HELIOCENTRIC CONIC

DISTANCE 614.122

RL 151.97 LAL -1.00 LOL 264.19 VL 25.742 GAL 14.36 AZL 93.07 HCA 302.03 SMA 122.44 ECC .34079 INC 3.0747 V1 29.317
 RP 108.01 LAP 2.61 LOP 206.26 VP 37.060 GAP 18.79 AZP 91.63 TAL 147.65 TAP 89.69 RCA 80.71 APO 164.16 V2 35.084
 RC 178.389 GL -9.94 GP 1.63 ZAL 36.52 ZAP 178.37 ETS 87.82 ZAE 124.54 ETE 179.00 ZAC 59.78 ETC 13.36 CLP-180.00

PLANETOCENTRIC CONIC

C3 60.097 VHL 7.752 DLA -26.97 RAL 223.37 RAD 6569.1 VEL 13.470 PTH 2.46 VHP 11.709 DPA -6.21 RAP 205.95 ECC 1.9890
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 22 13 1416.49 4.45 355.23 105.83 117.99 13 45 49 816.5 8.16 348.52
 90.00 15 55 36 915.08 19.08 325.71 112.67 111.33 16 10 51 315.1 21.81 318.10
 100.00 14 9 35 1263.45 .98 342.08 103.91 119.88 14 30 39 663.5 4.95 335.54
 100.00 17 50 55 5831.39 22.79 277.75 114.16 109.89 19 28 6 5231.4 25.29 269.85
 110.00 14 23 0 1221.33 -5.43 334.91 99.93 123.80 14 43 22 621.3 .96 328.68
 110.00 19 53 59 5446.28 29.94 251.20 116.85 107.32 21 24 46 4846.3 32.02 242.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.0860 TRA 6.5024 TC3-1.1125 BAU .8939 SGT 6103.4 SGR 429.0 SG3 148.2 ST 2796.7 SR 421.7 SS 773.4
 RDE .5696 RRA -.0956 RC3 -.0141 FAU .00517 RRT -.5157 RRF -.5094 RTF .9751 CRT -.8468 CRS .8111 CST -.9978
 FDE -.8036 FRA 1.9349 FC3 -.0744 BSP 19965 SGB 6118.5 R23 .0056 R13 -.9751 LSA 2923.1 MSA 229.2 SSA 11.6
 BDE 3.1381 BRA 6.5031 BC3 1.1126 FSP -504 SG1 6107.4 SG2 367.3 THA 177.92 EL1 2819.5 EL2 222.5 ALF 172.68

LAUNCH DATE JUN 16 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 22 1968

HELIOCENTRIC CONIC

DISTANCE 618.222

RL 151.97 LAL -1.00 LOL 264.19 VL 25.710 GAL 15.55 AZL 93.04 HCA 305.25 SMA 122.25 ECC .35602 INC 3.0374 V1 29.317
 RP 108.05 LAP 2.48 LOP 209.47 VP 37.025 GAP 19.81 AZP 91.75 TAL 146.68 TAP 91.93 RCA 78.73 APO 165.78 V2 35.071
 RC 180.257 GL -9.15 GP 1.59 ZAL 35.27 ZAP 178.06 ETS 122.45 ZAE 124.22 ETE 179.00 ZAC 57.76 ETC 13.58 CLP-178.90

PLANETOCENTRIC CONIC

C3 68.136 VHL 8.254 DLA -26.53 RAL 224.79 RAD 6569.3 VEL 13.766 PTH 2.51 VHP 12.320 DPA -7.07 RAP 207.89 ECC 2.1214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 16 23 1485.08 2.25 359.07 108.50 118.23 13 41 8 885.1 6.01 352.41
 90.00 16 12 47 906.93 19.28 325.20 116.43 111.15 16 27 54 306.9 21.98 317.57
 100.00 14 7 21 1320.48 -.95 345.21 106.72 119.88 14 29 22 720.5 3.03 338.68
 100.00 18 4 31 5834.80 22.71 277.98 117.80 109.98 19 41 45 5234.8 25.22 270.08
 110.00 14 23 53 1268.61 -7.22 337.41 102.85 123.50 14 45 1 668.6 -2.76 331.15
 110.00 20 4 28 5459.44 29.67 252.13 120.46 107.81 21 35 28 4859.4 31.82 243.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-3.1527 TRA 7.0414 TC3 -.9316 BAU .8486 SGT 6082.4 SGR 423.3 SG3 142.1 ST 2734.4 SR 413.2 SS 764.4
 RDE .5939 RRA -.1218 RC3 -.0114 FAU .00347 RRT -.5395 RRF -.5325 RTF .9769 CRT -.8395 CRS .8051 CST -.9981
 FDE -.7889 FRA 1.9964 FC3 -.0441 BSP 19985 SGB 6097.1 R23 .0043 R13 -.9769 LSA 2860.0 MSA 228.7 SSA 11.1
 BDE 3.2082 BRA 7.0425 BC3 .9316 FSP -483 SG1 6086.7 SG2 356.2 THA 177.84 EL1 2756.4 EL2 222.7 ALF 172.72

LAUNCH DATE JUN 17 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 26 1967

HELIOCENTRIC CONIC

DISTANCE 160.151

RL 151.98 LAL -1.00 LOL 265.14 VL 22.633 GAL .42 AZL 93.60 HCA 64.57 SMA 107.53 ECC .41343 INC 3.60000 V1 29.314
 RP 108.90 LAP -3.25 LOP 329.67 VP 34.685 GAP -24.41 AZP 91.55 TAL 179.40 TAP 243.98 RCA 63.07 APO 151.99 V2 34.797
 RC 43.245 GL -11.93 GP -1.23 ZAL 89.85 ZAP 12.76 ETS 174.78 ZAE 168.83 ETE 68.18 ZAC 102.90 ETC 14.55 CLP 12.70

PLANETOCENTRIC CONIC

C3 47.260 VHL 6.875 CLA -9.08 RAL 170.92 RAD 6568.8 VEL 12.985 PTH 2.37 VHP 14.619 DPA 8.90 RAP 164.60 ECC 1.7778
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 34 2143.01 -17.77 37.00 44.67 112.42 6 51 17 1543.0 -14.58 29.78
 90.00 15 55 59 5357.72 27.74 244.50 51.11 84.08 17 25 17 4757.7 26.63 236.01
 100.00 7 32 28 1894.89 -19.09 18.17 44.08 113.45 8 4 3 1294.9 -15.76 10.96
 100.00 17 21 46 5081.07 29.17 223.98 50.93 83.14 18 46 27 4481.1 27.91 215.40
 110.00 8 30 37 1712.81 -22.60 2.61 42.33 116.35 8 59 10 1112.8 -18.88 355.45
 110.00 18 40 6 4835.92 33.00 204.72 50.28 80.53 20 0 42 4235.9 31.34 195.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4052 TRA -.8322 TC3 .0517 BAU .0574 SGT 782.5 SGR 434.5 SG3 53.4 ST 398.0 SR 389.9 SS 345.5
 RDE -.4638 RRA -.2011 RC3 .0747 FAU .01934 RRT -.0119 RRF .0131 RTF -.6556 CRT -.7719 CRS -.9030 CST .9681
 FDE -.3122 FRA .3281 FC3 -.3543 BSP 2054 SGB 895.1 R23 -.0018 R13 .6556 LSA 627.3 MSA 189.8 SSA 15.1
 BDE .6158 BRA .8561 BC3 .0908 FSP -115 SG1 782.6 SG2 434.4 THA 179.45 EL1 524.4 EL2 188.1 ALF 135.77

LAUNCH DATE JUN 17 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 166.715

RL 151.98 LAL -1.00 LOL 265.14 VL 23.042 GAL .30 AZL 93.57 HCA 67.74 SMA 109.18 ECC .39202 INC 3.5660 V1 29.314
 RP 108.89 LAP -3.30 LOP 332.84 VP 34.958 GAP -23.08 AZP 91.35 TAL 179.54 TAP 247.28 RCA 66.38 APO 151.98 V2 34.801
 RC 42.956 GL -12.78 GP -1.29 ZAL 90.25 ZAP 11.06 ETS 173.53 ZAE 167.50 ETE 57.12 ZAC 101.51 ETC 14.41 CLP 10.98

PLANETOCENTRIC CONIC

C3 41.959 VHL 6.478 CLA -9.69 RAL 170.20 RAD 6568.6 VEL 12.780 PTH 2.32 VHP 13.873 DPA 8.29 RAP 165.93 ECC 1.6905
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 35 2093.05 -16.45 33.93 41.90 113.38 6 52 28 1493.1 -13.14 26.81
 90.00 15 48 10 5347.85 27.67 243.79 48.39 83.72 17 17 18 4747.8 26.51 235.32
 100.00 7 34 9 1846.02 -17.74 15.17 41.30 114.46 8 4 55 1246.0 -14.29 8.07
 100.00 17 14 17 5070.11 29.07 223.17 48.20 82.73 18 38 47 4470.1 27.76 214.62
 110.00 8 31 33 1666.29 -21.17 359.76 39.52 117.49 8 59 20 1066.3 -17.32 352.75
 110.00 18 33 23 4822.60 32.85 203.71 47.53 79.95 19 53 45 4222.6 31.11 194.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4059 TRA -.8091 TC3 .0823 BAU .0659 SGT 816.9 SGR 437.3 SG3 58.9 ST 419.9 SR 391.8 SS 366.8
 RDE -.4392 RRA -.1882 RC3 .0838 FAU .02022 RRT -.0148 RRF .0168 RTF -.6771 CRT -.7806 CRS -.9097 CST .9677
 FDE -.3306 FRA .3294 FC3 -.4172 BSP 2196 SGB 926.6 R23 -.0027 R13 .6772 LSA 654.1 MSA 190.5 SSA 15.5
 BDE .5980 BRA .8306 BC3 .1175 FSP -129 SG1 816.9 SG2 437.2 THA 179.36 EL1 542.1 EL2 189.7 ALF 137.54

LAUNCH DATE JUN 17 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 173.315

RL 151.98 LAL -1.00 LOL 265.14 VL 23.419 GAL .15 AZL 93.53 HCA 70.90 SMA 110.78 ECC .37194 INC 3.5334 V1 29.314
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.213 GAP -21.81 AZP 91.16 TAL 179.74 TAP 250.64 RCA 69.58 APO 151.98 V2 34.806
 RC 42.841 GL -13.66 GP -1.36 ZAL 90.80 ZAP 9.36 ETS 171.81 ZAE 165.83 ETE 48.21 ZAC 100.13 ETC 14.28 CLP 9.26

PLANETOCENTRIC CONIC

C3 37.370 VHL 6.113 CLA -10.27 RAL 169.33 RAD 6568.5 VEL 12.599 PTH 2.29 VHP 13.160 DPA 7.68 RAP 167.25 ECC 1.6150
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 18 50 2044.77 -15.12 31.01 39.08 114.23 6 52 54 1444.8 -11.72 23.98
 90.00 15 40 2 5337.62 27.59 243.05 45.57 83.36 17 9 0 4737.6 26.38 234.59
 100.00 7 35 4 1798.79 -16.39 12.31 38.47 115.36 8 5 3 1198.8 -12.84 5.32
 100.00 17 6 28 5058.84 28.97 222.35 45.37 82.31 18 30 47 4458.8 27.61 213.82
 110.00 8 31 45 1621.32 -19.73 357.06 36.69 118.50 8 58 46 1021.3 -15.77 350.18
 110.00 18 26 17 4809.07 32.68 202.69 44.68 79.37 19 46 26 4209.1 30.87 193.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4043 TRA -.7868 TC3 .1144 BAU .0738 SGT 851.4 SGR 439.3 SG3 65.1 ST 440.7 SR 393.0 SS 387.9
 RDE -.4158 RRA -.1758 RC3 .0933 FAU .02124 RRT -.0166 RRF .0194 RTF -.6913 CRT -.7876 CRS -.9161 CST .9666
 FDE -.3493 FRA .3294 FC3 -.4920 BSP 2173 SGB 958.1 R23 -.0038 R13 .6914 LSA 679.9 MSA 191.3 SSA 16.0
 BDE .5800 BRA .8063 BC3 .1477 FSP -143 SG1 851.5 SG2 439.2 THA 179.33 EL1 558.7 EL2 191.0 ALF 139.14

LAUNCH DATE JUN 17 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 179.974

RL 151.98 LAL -1.00 LOL 265.14 VL 23.768 GAL -.01 AZL 93.50 HCA 74.07 SMA 112.32 ECC .35310 INC 3.5020 V1 29.314
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.451 GAP -20.60 AZP 90.96 TAL 180.01 TAP 254.08 RCA 72.66 APO 151.98 V2 34.812
 RC 42.900 GL -14.55 GP -1.43 ZAL 91.49 ZAP 7.64 ETS 169.29 ZAE 163.94 ETE 41.19 ZAC 98.78 ETC 14.16 CLP 7.51

PLANETOCENTRIC CONIC

C3 33.389 VHL 5.778 CLA -10.81 RAL 168.32 RAD 6568.3 VEL 12.440 PTH 2.25 VHP 12.475 DPA 7.06 RAP 168.54 ECC 1.5495
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 19 13 1998.47 -13.81 28.24 36.22 114.97 6 52 31 1398.5 -10.33 21.29
 90.00 15 31 35 5327.03 27.51 242.29 42.65 82.99 17 0 22 4727.0 26.25 233.85
 100.00 7 35 9 1753.48 -15.05 9.62 35.61 116.14 8 4 22 1153.5 -11.41 2.71
 100.00 16 58 20 5047.25 28.87 221.51 42.44 81.88 18 22 27 4447.3 27.44 212.99
 110.00 8 31 8 1578.16 -18.31 354.52 33.81 119.38 8 57 26 978.2 -14.26 347.75
 110.00 18 18 50 4795.34 32.50 201.66 41.72 78.78 19 38 46 4195.3 30.62 192.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4350 TRA -.7471 TC3 .2049 BAU .1024 SGT 900.5 SGR 440.0 SG3 74.2 ST 487.1 SR 393.3 SS 414.4
 RDE -.3935 RRA -.1634 RC3 .1031 FAU .02313 RRT -.0396 RRF .0115 RTF -.7568 CRT -.8198 CRS -.9189 CST .9776
 FDE -.3727 FRA .3438 FC3 -.5998 BSP 3036 SGB 1002.2 R23 .0279 R13 .7565 LSA 727.9 MSA 183.4 SSA 16.1
 BDE .5866 BRA .7647 BC3 .2294 FSP -168 SG1 900.7 SG2 439.6 THA 178.54 EL1 598.7 EL2 183.2 ALF 142.37

LAUNCH DATE JUN 17 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 186.603

RL 151.98 LAL -1.00 LOL 265.14 VL 24.087 GAL -1.17 AZL 93.47 HCA 77.23 SMA 113.79 ECC .33562 INC 3.4716 V1 29.314
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.672 GAP -19.46 AZP 90.77 TAL 180.34 TAP 257.57 RCA 75.60 APO 151.98 V2 34.819
 RC 43.133 GL -15.45 GP -1.50 ZAL 92.29 ZAP 5.95 ETS 165.30 ZAE 161.95 ETE 35.60 ZAC 97.43 ETC 14.05 CLP 5.75

PLANETOCENTRIC CONIC

C3 29.965 VHL 5.474 DLA -11.31 RAL 167.19 RAD 6568.2 VEL 12.302 PTH 2.22 VHP 11.823 OPA 6.44 RAP 169.81 ECC 1.4931
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 18 48 1954.75 -12.54 25.66 33.35 115.60 6 51 23 1354.8 -8.99 18.78
 90.00 15 22 59 5316.33 27.41 241.52 39.67 82.61 16 51 35 4716.3 26.11 233.10
 100.00 7 34 27 1710.71 -13.75 7.10 32.74 116.81 8 2 57 1110.7 -10.04 .28
 100.00 16 50 1 5035.61 28.75 220.66 39.46 81.45 18 13 57 4435.6 27.27 212.17
 110.00 8 29 47 1537.39 -16.93 352.16 30.95 120.15 8 55 24 937.4 -12.80 345.49
 110.00 18 11 10 4781.69 32.32 200.64 38.72 78.20 19 30 52 4181.7 30.35 191.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4190 TRA -7.279 TC3 .2178 BAU .0983 SGT 923.5 SGR 440.9 SG3 80.2 ST 496.7 SR 393.6 SS 442.5
 RDE -.3731 RRA -1.528 RC3 .1131 FAU .02383 RRT -.0369 RRF .0368 RTF -.7346 CRT -.8176 CRS -.9327 CST .9684
 FDE -.4016 FRA .3203 FC3 -.6884 BSP 2688 SGB 1023.4 R23 -.0018 R13 .7346 LSA 750.1 MSA 185.9 SSA 16.9
 BDE .5610 BRA .7438 BC3 .2454 FSP -190 SG1 923.7 SG2 440.6 THA 178.69 EL1 605.9 EL2 185.8 ALF 143.01

LAUNCH DATE JUN 17 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 193.282

RL 151.98 LAL -1.00 LOL 265.14 VL 24.383 GAL -1.34 AZL 93.44 HCA 80.40 SMA 115.20 ECC .31930 INC 3.4419 V1 29.314
 RP 108.81 LAP -3.39 LOP 345.53 VP 35.879 GAP -18.36 AZP 90.57 TAL 180.73 TAP 261.13 RCA 78.42 APO 151.99 V2 34.826
 RC 43.534 GL -16.36 GP -1.59 ZAL 93.23 ZAP 4.27 ETS 158.00 ZAE 159.92 ETE 31.14 ZAC 96.11 ETC 13.95 CLP 3.97

PLANETOCENTRIC CONIC

C3 27.000 VHL 5.196 DLA -11.76 RAL 165.93 RAD 6568.1 VEL 12.181 PTH 2.19 VHP 11.196 OPA 5.81 RAP 171.05 ECC 1.4443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 17 31 1913.71 -11.32 23.26 30.46 116.13 6 49 24 1313.7 -7.71 16.44
 90.00 15 14 12 5305.36 27.32 240.73 36.64 82.23 16 42 37 4705.4 25.96 232.33
 100.00 7 32 53 1670.53 -12.50 4.77 29.85 117.38 8 0 44 1070.5 -8.74 358.01
 100.00 16 41 31 5023.77 28.63 219.80 36.42 81.01 18 5 14 4423.8 27.09 211.34
 110.00 8 27 38 1499.06 -15.61 349.98 28.07 120.80 8 52 37 899.1 -11.41 343.40
 110.00 18 3 15 4768.00 32.12 199.62 35.66 77.63 19 22 43 4168.0 30.09 191.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4196 TRA -7.010 TC3 .2787 BAU .1099 SGT 959.9 SGR 440.5 SG3 88.9 ST 519.9 SR 393.0 SS 467.6
 RDE -.3537 RRA -1.422 RC3 .1228 FAU .02535 RRT -.0403 RRF .0430 RTF -.7498 CRT -.8275 CRS -.9398 CST .9677
 FDE -.4272 FRA .3128 FC3 -.8127 BSP 2792 SGB 1056.1 R23 -.0047 R13 .7499 LSA 780.5 MSA 184.2 SSA 17.4
 BDE .5488 BRA .7153 BC3 .3046 FSP -216 SG1 960.1 SG2 440.0 THA 178.66 EL1 625.3 EL2 183.5 ALF 144.46

LAUNCH DATE JUN 17 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 199.979

RL 151.98 LAL -1.00 LOL 265.14 VL 24.652 GAL -1.52 AZL 93.41 HCA 83.57 SMA 116.55 ECC .30417 INC 3.4128 V1 29.314
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.071 GAP -17.30 AZP 90.38 TAL 181.18 TAP 264.75 RCA 81.10 APO 151.99 V2 34.834
 RC 44.099 GL -17.27 GP -1.69 ZAL 94.29 ZAP 2.73 ETS 141.59 ZAE 157.93 ETE 27.49 ZAC 94.83 ETC 13.87 CLP 2.15

PLANETOCENTRIC CONIC

C3 24.442 VHL 4.944 DLA -12.16 RAL 164.55 RAD 6568.0 VEL 12.076 PTH 2.16 VHP 10.597 OPA 5.19 RAP 172.26 ECC 1.4022
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 15 22 1875.71 -10.17 21.06 27.56 116.57 6 46 38 1275.7 -6.52 14.28
 90.00 15 5 22 5294.16 27.21 239.93 33.57 81.84 16 33 36 4694.2 25.80 231.55
 100.00 7 30 30 1633.32 -11.33 2.63 26.96 117.85 7 57 43 1033.3 -7.51 355.92
 100.00 16 32 55 5011.79 28.50 218.94 33.35 80.57 17 56 27 4411.8 26.90 210.50
 110.00 8 24 43 1463.52 -14.36 347.99 25.19 121.36 8 49 6 863.5 -10.10 341.47
 110.00 17 55 11 4754.35 31.92 198.60 32.57 77.06 19 14 26 4154.3 29.81 190.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4218 TRA -6.746 TC3 .3432 BAU .1202 SGT 996.9 SGR 439.2 SG3 98.6 ST 544.6 SR 391.8 SS 494.8
 RDE -.3356 RRA -1.321 RC3 .1322 FAU .02696 RRT -.0468 RRF .0510 RTF -.7633 CRT -.8380 CRS -.9465 CST .9674
 FDE -.4562 FRA .3052 FC3 -.9549 BSP 2887 SGB 1089.3 R23 -.0067 R13 .7634 LSA 813.3 MSA 181.9 SSA 17.9
 BDE .5390 BRA .6874 BC3 .3678 FSP -242 SG1 997.1 SG2 438.6 THA 178.53 EL1 646.3 EL2 180.2 ALF 145.91

LAUNCH DATE JUN 17 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 206.689

RL 151.98 LAL -1.00 LOL 265.14 VL 24.901 GAL -1.69 AZL 93.38 HCA 86.74 SMA 117.82 ECC .29016 INC 3.3840 V1 29.314
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.249 GAP -16.30 AZP 90.19 TAL 181.69 TAP 268.43 RCA 83.63 APO 152.01 V2 34.842
 RC 44.820 GL -18.16 GP -1.79 ZAL 95.45 ZAP 1.82 ETS 98.79 ZAE 156.02 ETE 24.47 ZAC 93.58 ETC 13.80 CLP .29

PLANETOCENTRIC CONIC

C3 22.238 VHL 4.716 DLA -12.50 RAL 163.07 RAD 6567.9 VEL 11.984 PTH 2.14 VHP 10.022 OPA 4.57 RAP 173.42 ECC 1.3660
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 12 22 1841.08 -9.11 19.07 24.67 116.93 6 43 3 1241.1 -5.42 12.33
 90.00 14 56 34 5282.68 27.10 239.11 30.50 81.44 16 24 36 4682.7 25.63 230.75
 100.00 7 27 17 1599.37 -10.24 .70 24.07 118.24 7 53 56 999.4 -6.39 354.03
 100.00 16 24 20 4999.62 28.36 218.06 30.27 80.13 17 47 39 4399.6 26.70 209.65
 110.00 8 21 2 1431.03 -13.20 346.18 22.33 121.82 8 44 53 831.0 -8.90 339.72
 110.00 17 47 4 4740.73 31.71 197.60 29.47 76.50 19 6 5 4140.7 29.53 189.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4271 TRA -6.441 TC3 .4205 BAU .1318 SGT 1034.0 SGR 437.1 SG3 109.6 ST 572.1 SR 390.2 SS 524.5
 RDE -.3189 RRA -1.227 RC3 .1407 FAU .02884 RRT -.0576 RRF .0616 RTF -.7791 CRT -.8512 CRS -.9534 CST .9681
 FDE -.4895 FRA .2938 FC3 -1.1227 BSP 3050 SGB 1122.6 R23 -.0070 R13 .7792 LSA 850.0 MSA 178.2 SSA 18.5
 BDE .5331 BRA .6557 BC3 .4434 FSP -274 SG1 1034.4 SG2 436.2 THA 178.30 EL1 670.1 EL2 174.8 ALF 147.37

LAUNCH DATE JUN 17 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 213.408

RL 151.98 LAL -0.00 LOL 265.14 VL 25.129 GAL -.86 AZL 93.36 HCA 89.91 SMA 119.03 ECC .27725 INC 3.3554 V1 29.314
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.415 GAP -15.33 AZP 90.00 TAL 182.25 TAP 272.17 RCA 86.03 APO 152.03 V2 34.851
 RC 45.690 GL -19.03 GP -1.91 ZAL 96.70 ZAP 2.50 ETS 49.39 ZAE 154.24 ETE 21.92 ZAC 92.38 ETC 13.75 CLP -1.61

PLANETOCENTRIC CONIC

C3 20.342 VHL 4.510 DLA -12.78 RAL 161.51 RAD 6567.8 VEL 11.905 PTH 2.12 VHP 9.473 DPA 3.95 RAP 174.54 ECC 1.3348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 8 32 1810.00 -8.14 17.30 21.81 117.21 6 38 42 1210.0 -4.43 10.58
 90.00 14 47 54 5270.88 26.97 238.27 27.43 81.04 16 15 45 4670.9 25.46 229.93
 100.00 7 23 17 1568.87 -9.25 358.97 21.22 118.55 7 49 25 968.9 -5.37 352.34
 100.00 16 15 51 4987.24 28.21 217.17 27.20 79.68 17 38 58 4387.2 26.50 208.78
 110.00 8 16 38 1401.75 -12.14 344.57 19.49 122.20 8 40 0 801.8 -7.80 338.16
 110.00 17 38 58 4727.13 31.49 196.60 26.38 75.95 18 57 45 4127.1 29.23 188.12

DIFFERENTIAL CORRECTIONS

TDE .4313 TRA -.6147 TC3 .5034 BAU .1427
 RDE -.3035 RRA -.1139 RC3 .1479 FAU .03095
 FDE -.5257 FRA .2809 FC3-1.3173 BSP 3193
 BDE .5274 BRA .6251 BC3 .5247 FSP -310

MID-COURSE EXECUTION ACCURACY

SGT 1071.2 SGR 434.2 SG3 121.9
 RRT -.0685 RRF .0729 RTF -.7928
 SGB 1155.9 R23 -.0080 R13 .7929
 SG1 1071.7 SG2 433.0 THA 178.10

ORBIT DETERMINATION ACCURACY

ST 598.4 SR 388.2 SS 554.7
 CRT -.8632 CRS -.9597 CST .9685
 LSA 886.3 MSA 174.6 SSA 19.0
 EL1 692.9 EL2 169.2 ALF 148.67

LAUNCH DATE JUN 17 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 220.133

RL 151.98 LAL -0.00 LOL 265.14 VL 25.338 GAL -1.03 AZL 93.33 HCA 93.09 SMA 120.16 ECC .26537 INC 3.3268 V1 29.314
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.568 GAP -14.41 AZP 89.82 TAL 182.87 TAP 275.95 RCA 88.27 APO 152.05 V2 34.860
 RC 46.700 GL -19.87 GP -2.05 ZAL 98.04 ZAP 4.11 ETS 29.27 ZAE 152.62 ETE 19.73 ZAC 91.23 ETC 13.71 CLP -3.57

PLANETOCENTRIC CONIC

C3 18.713 VHL 4.326 DLA -13.00 RAL 159.87 RAD 6567.8 VEL 11.836 PTH 2.10 VHP 8.947 DPA 3.34 RAP 175.60 ECC 1.3080
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 3 56 1782.65 -7.29 15.74 18.98 117.44 6 33 38 1182.7 -3.56 9.05
 90.00 14 39 28 5258.68 26.84 237.40 24.40 80.62 16 7 7 4658.7 25.27 229.08
 100.00 7 18 31 1541.98 -8.37 357.46 18.40 118.80 7 44 13 942.0 -4.47 350.85
 100.00 16 7 34 4974.58 28.05 216.26 24.16 79.23 17 30 28 4374.6 26.28 207.91
 110.00 8 11 34 1375.83 -11.20 343.16 16.70 122.51 8 34 30 775.8 -6.83 336.79
 110.00 17 31 0 4713.50 31.26 195.60 23.33 75.40 18 49 33 4113.5 28.94 187.17

DIFFERENTIAL CORRECTIONS

TDE .4355 TRA -.5822 TC3 .5963 BAU .1540
 RDE -.2895 RRA -.1058 RC3 .1534 FAU .03338
 FDE -.5659 FRA .2633 FC3-1.5444 BSP 3353
 BDE .5230 BRA .5918 BC3 .6157 FSP -351

MID-COURSE EXECUTION ACCURACY

SGT 1107.0 SGR 430.5 SG3 135.9
 RRT -.0816 RRF .0865 RTF -.8067
 SGB 1187.7 R23 -.0091 R13 .8069
 SG1 1107.6 SG2 428.8 THA 177.86

ORBIT DETERMINATION ACCURACY

ST 624.0 SR 385.8 SS 586.2
 CRT -.8758 CRS -.9659 CST .9690
 LSA 923.3 MSA 170.4 SSA 19.5
 EL1 715.5 EL2 162.4 ALF 149.85

LAUNCH DATE JUN 17 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 226.860

RL 151.98 LAL -0.00 LOL 265.14 VL 25.529 GAL -1.20 AZL 93.30 HCA 96.26 SMA 121.23 ECC .25449 INC 3.2980 V1 29.314
 RP 108.68 LAP -3.28 LOP 36.710 VP 36.710 GAP -13.52 AZP 89.64 TAL 183.52 TAP 279.78 RCA 90.38 APO 152.08 V2 34.870
 RC 47.841 GL -20.66 GP -2.19 ZAL 99.43 ZAP 6.00 ETS 20.80 ZAE 151.17 ETE 17.83 ZAC 90.15 ETC 13.68 CLP -5.59

PLANETOCENTRIC CONIC

C3 17.316 VHL 4.161 DLA -13.16 RAL 158.19 RAD 6567.7 VEL 11.777 PTH 2.08 VHP 8.444 DPA 2.73 RAP 176.60 ECC 1.2850
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 35 1759.11 -6.55 14.41 16.21 117.61 6 27 55 1159.1 -2.80 7.73
 90.00 14 31 23 5246.03 26.70 236.50 21.43 80.20 15 58 49 4646.0 25.07 228.21
 100.00 7 13 5 1518.77 -7.61 356.16 15.64 118.99 7 38 24 918.8 -3.69 349.57
 100.00 15 59 35 4961.60 27.88 215.33 21.18 78.77 17 22 17 4361.6 26.05 207.01
 110.00 8 5 55 1353.31 -10.37 341.94 13.97 122.76 8 28 28 753.3 -5.98 335.60
 110.00 17 23 15 4699.82 31.02 194.61 20.34 74.85 18 41 34 4099.8 28.63 186.22

DIFFERENTIAL CORRECTIONS

TDE .4388 TRA -.5513 TC3 .6913 BAU .1641
 RDE -.2767 RRA -.0983 RC3 .1568 FAU .03610
 FDE -.6104 FRA .2431 FC3-1.8047 BSP 3486
 BDE .5187 BRA .5600 BC3 .7088 FSP -397

MID-COURSE EXECUTION ACCURACY

SGT 1141.8 SGR 426.0 SG3 151.6
 RRT -.0960 RRF .1022 RTF -.8183
 SGB 1218.7 R23 -.0112 R13 .8186
 SG1 1142.7 SG2 423.7 THA 177.62

ORBIT DETERMINATION ACCURACY

ST 648.1 SR 383.2 SS 618.7
 CRT -.8871 CRS -.9714 CST .9693
 LSA 959.9 MSA 166.8 SSA 20.0
 EL1 736.6 EL2 155.6 ALF 150.90

LAUNCH DATE JUN 17 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 233.585

RL 151.98 LAL -0.00 LOL 265.14 VL 25.703 GAL -1.36 AZL 93.27 HCA 99.44 SMA 122.22 ECC .24456 INC 3.2688 V1 29.314
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.841 GAP -12.66 AZP 89.46 TAL 184.20 TAP 283.65 RCA 92.33 APO 152.11 V2 34.881
 RC 49.103 GL -21.40 GP -2.36 ZAL 100.87 ZAP 8.03 ETS 16.37 ZAE 149.93 ETE 16.13 ZAC 89.13 ETC 13.66 CLP -7.68

PLANETOCENTRIC CONIC

C3 16.119 VHL 4.015 DLA -13.26 RAL 156.48 RAD 6567.6 VEL 11.726 PTH 2.07 VHP 7.964 DPA 2.14 RAP 177.53 ECC 1.2653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 37 1739.37 -5.92 13.29 13.52 117.74 6 21 36 1139.4 -2.16 6.63
 90.00 14 23 45 5232.89 26.54 235.57 18.53 79.75 15 50 58 4632.9 24.86 227.31
 100.00 7 7 2 1499.24 -6.96 355.07 12.95 119.14 7 32 2 899.2 -3.03 348.50
 100.00 15 52 0 4948.25 27.70 214.38 18.27 78.30 17 14 28 4348.3 25.81 206.09
 110.00 7 59 44 1334.20 -9.67 340.91 11.31 122.95 8 21 58 734.2 -5.26 334.59
 110.00 17 15 48 4686.05 30.77 193.61 17.42 74.31 18 33 54 4086.1 28.31 185.28

DIFFERENTIAL CORRECTIONS

TDE .4411 TRA -.5208 TC3 .7889 BAU .1734
 RDE -.2651 RRA -.0914 RC3 .1575 FAU .03918
 FDE -.6600 FRA .2195 FC3-2.1045 BSP 3607
 BDE .5147 BRA .5287 BC3 .8044 FSP -450

MID-COURSE EXECUTION ACCURACY

SGT 1175.0 SGR 420.8 SG3 169.4
 RRT -.1126 RRF .1206 RTF -.8285
 SGB 1248.1 R23 -.0138 R13 .8288
 SG1 1176.1 SG2 417.7 THA 177.36

ORBIT DETERMINATION ACCURACY

ST 670.2 SR 380.4 SS 652.4
 CRT -.8976 CRS -.9764 CST .9694
 LSA 996.2 MSA 163.7 SSA 20.5
 EL1 756.2 EL2 148.6 ALF 151.81

LAUNCH DATE JUN 17 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 240.307

RL 151.98 LAL -0.00 LOL 265.14 VL 25.861 GAL -1.51 AZL 93.24 HCA 102.62 SMA 123.15 ECC .23552 INC 3.2390 V1 29.314
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.962 GAP -11.84 AZP 89.29 TAL 184.92 TAP 287.54 RCA 94.15 APO 152.15 V2 34.891
 RC 50.476 GL -22.08 GP -2.55 ZAL 102.33 ZAP 10.17 ETS 13.68 ZAE 148.91 ETE 14.61 ZAC 88.21 ETC 13.65 CLP -9.85

PLANETOCENTRIC CONIC

C3 15.094 VHL 3.885 DLA -13.29 RAL 154.77 RAD 6567.6 VEL 11.682 PTH 2.05 VHP 7.505 DPA 1.55 RAP 178.37 ECC 1.2484
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 5 1723.37 -5.42 12.39 10.91 117.84 6 14 49 1123.4 -1.65 5.74
 90.00 14 16 38 5219.22 26.37 234.60 15.72 79.30 15 43 37 4619.2 24.63 226.37
 100.00 7 0 30 1483.31 -6.44 354.18 10.36 119.25 7 25 13 883.3 -2.49 347.62
 100.00 15 44 55 4934.52 27.51 213.41 15.46 77.82 17 7 9 4334.5 25.56 205.15
 110.00 7 53 8 1318.43 -9.08 340.06 8.74 123.10 8 15 7 718.4 -4.66 333.76
 110.00 17 8 45 4672.17 30.51 192.62 14.59 73.78 18 26 38 4072.2 27.98 184.33

DIFFERENTIAL CORRECTIONS

TDE .4425 TRA -4.4893 TC3 .8884 BAU .1820
 RDE -.2546 RRA -.0852 RC3 .1550 FAU .04268
 FDE -.7145 FRA .1911 FC3-2.4481 BSP 3733
 BDE .5105 BRA .4966 BC3 .9018 FSP -511

MID-COURSE EXECUTION ACCURACY

SGT 1205.0 SGR 415.0 SG3 189.5
 RRT -.1323 RRF .1419 RTF -.8381
 SGB 1274.5 R23 -.0167 R13 .8385
 SG1 1206.4 SG2 410.8 THA 177.05

ORBIT DETERMINATION ACCURACY

ST 689.7 SR 377.5 SS 686.6
 CRT -.9077 CRS -.9809 CST .9696
 LSA 1031.2 MSA 160.6 SSA 20.9
 EL1 773.5 EL2 141.3 ALF 152.59

LAUNCH DATE JUN 17 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 247.022

RL 151.98 LAL -0.00 LOL 265.14 VL 26.005 GAL -1.65 AZL 93.21 HCA 105.80 SMA 124.01 ECC .22732 INC 3.2085 V1 29.314
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.074 GAP -11.05 AZP 89.13 TAL 185.64 TAP 291.45 RCA 95.82 APO 152.20 V2 34.903
 RC 51.950 GL -22.70 GP -2.76 ZAL 103.79 ZAP 12.42 ETS 11.91 ZAE 148.12 ETE 13.22 ZAC 87.37 ETC 13.66 CLP -12.12

PLANETOCENTRIC CONIC

C3 14.218 VHL 3.771 DLA -13.27 RAL 153.08 RAD 6567.6 VEL 11.645 PTH 2.04 VHP 7.068 DPA .99 RAP 179.12 ECC 1.2340
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 39 8 1710.96 -5.02 11.69 8.42 117.90 6 7 38 1111.0 -1.25 5.04
 90.00 14 10 7 5205.04 26.19 233.61 13.03 78.83 15 36 52 4605.0 24.38 225.40
 100.00 6 53 33 1470.85 -6.02 353.49 7.87 119.33 7 18 4 870.8 -2.07 346.94
 100.00 15 38 23 4920.39 27.30 212.41 12.77 77.33 17 0 23 4320.4 25.29 204.19
 110.00 7 46 14 1305.85 -8.61 339.39 6.28 123.21 8 8 0 705.8 -4.18 333.10
 110.00 17 2 11 4658.15 30.24 191.61 11.89 73.24 18 19 49 4058.2 27.65 183.38

DIFFERENTIAL CORRECTIONS

TDE .4426 TRA -4.4590 TC3 .9865 BAU .1896
 RDE -.2453 RRA -.0797 RC3 .1488 FAU .04668
 FDE -.7757 FRA .1586 FC3-2.8422 BSP 3828
 BDE .5060 BRA .4658 BC3 .9977 FSP -579

MID-COURSE EXECUTION ACCURACY

SGT 1232.5 SGR 408.6 SG3 212.4
 RRT -.1549 RRF .1672 RTF -.8463
 SGB 1298.5 R23 -.0206 R13 .8469
 SG1 1234.4 SG2 403.1 THA 176.71

ORBIT DETERMINATION ACCURACY

ST 706.4 SR 374.6 SS 722.3
 CRT -.9167 CRS -.9848 CST .9696
 LSA 1065.6 MSA 158.3 SSA 21.2
 EL1 788.2 EL2 134.2 ALF 153.24

LAUNCH DATE JUN 17 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 253.727

RL 151.98 LAL -0.00 LOL 265.14 VL 26.135 GAL -1.79 AZL 93.18 HCA 108.99 SMA 124.80 ECC .21992 INC 3.1770 V1 29.314
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.176 GAP -10.29 AZP 88.97 TAL 186.38 TAP 295.36 RCA 97.35 APO 152.25 V2 34.914
 RC 53.515 GL -23.23 GP -3.00 ZAL 105.23 ZAP 14.79 ETS 10.67 ZAE 147.58 ETE 11.92 ZAC 86.65 ETC 13.68 CLP -14.49

PLANETOCENTRIC CONIC

C3 13.469 VHL 3.670 DLA -13.19 RAL 151.44 RAD 6567.5 VEL 11.613 PTH 2.03 VHP 6.652 DPA .44 RAP 179.76 ECC 1.2217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 51 1701.92 -4.73 11.18 6.05 117.95 6 0 13 1101.9 -0.96 4.54
 90.00 14 4 16 5190.36 25.99 232.58 10.47 78.35 15 30 46 4590.4 24.12 224.41
 100.00 6 46 19 1461.64 -5.71 352.98 5.51 119.39 7 10 41 861.6 -1.75 346.43
 100.00 15 32 28 4905.88 27.08 211.38 10.20 76.84 16 54 14 4305.9 25.00 203.20
 110.00 7 39 7 1296.27 -8.26 338.88 3.95 123.29 8 0 43 696.3 -3.82 332.60
 110.00 16 56 10 4644.00 29.96 190.61 9.31 72.71 18 13 34 4044.0 27.30 182.43

DIFFERENTIAL CORRECTIONS

TDE .4408 TRA -4.4293 TC3 1.0788 BAU .1959
 RDE -.2370 RRA -.0747 RC3 .1386 FAU .05118
 FDE -.8429 FRA .1211 FC3-3.2894 BSP 3914
 BDE .5005 BRA .4357 BC3 1.0877 FSP -657

MID-COURSE EXECUTION ACCURACY

SGT 1254.8 SGR 401.9 SG3 238.2
 RRT -.1815 RRF .1966 RTF -.8532
 SGB 1317.6 R23 -.0252 R13 .8539
 SG1 1257.1 SG2 394.5 THA 176.31

ORBIT DETERMINATION ACCURACY

ST 718.9 SR 371.7 SS 758.1
 CRT -.9247 CRS -.9881 CST .9694
 LSA 1097.6 MSA 156.6 SSA 21.4
 EL1 799.2 EL2 127.3 ALF 153.73

LAUNCH DATE JUN 17 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 260.421

RL 151.98 LAL -0.00 LOL 265.14 VL 26.253 GAL -1.92 AZL 93.14 HCA 112.17 SMA 125.53 ECC .21326 INC 3.1442 V1 29.314
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.270 GAP -9.56 AZP 88.81 TAL 187.11 TAP 299.28 RCA 98.76 APO 152.30 V2 34.926
 RC 55.163 GL -23.69 GP -3.28 ZAL 106.64 ZAP 17.29 ETS 9.77 ZAE 147.30 ETE 10.69 ZAC 86.05 ETC 13.70 CLP -16.99

PLANETOCENTRIC CONIC

C3 12.828 VHL 3.582 DLA -13.05 RAL 149.85 RAD 6567.5 VEL 11.585 PTH 2.03 VHP 6.256 DPA -.10 RAP 180.27 ECC 1.2111
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 22 1696.00 -4.54 10.85 3.82 117.98 5 52 38 1096.0 -0.77 4.21
 90.00 13 59 7 5175.20 25.78 231.52 8.06 77.86 15 25 22 4575.2 23.85 223.38
 100.00 6 38 56 1455.43 -5.51 352.64 3.29 119.43 7 3 11 855.4 -1.54 346.09
 100.00 15 27 14 4891.01 26.85 210.34 7.78 76.34 16 48 45 4291.0 24.70 202.20
 110.00 7 31 55 1289.47 -8.00 338.51 1.76 123.34 7 53 25 689.5 -3.56 332.24
 110.00 16 50 44 4629.73 29.66 189.60 6.88 72.17 18 7 54 4029.7 26.94 181.47

DIFFERENTIAL CORRECTIONS

TDE .4376 TRA -3.9999 TC3 1.1660 BAU .2011
 RDE -.2296 RRA -.0705 RC3 .1237 FAU .05633
 FDE -.9184 FRA .0770 FC3-3.8018 BSP 3988
 BDE .4942 BRA .4061 BC3 1.1725 FSP -747

MID-COURSE EXECUTION ACCURACY

SGT 1272.3 SGR 395.2 SG3 267.6
 RRT -.2131 RRF .2319 RTF -.8593
 SGB 1332.3 R23 -.0310 R13 .8602
 SG1 1275.4 SG2 385.2 THA 175.83

ORBIT DETERMINATION ACCURACY

ST 727.6 SR 369.0 SS 795.6
 CRT -.9320 CRS -.9908 CST .9691
 LSA 1128.7 MSA 155.5 SSA 21.5
 EL1 806.9 EL2 120.6 ALF 154.08

LAUNCH DATE JUN 17 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 267.102

RL 151.98 LAL -.00 LOL 265.14 VL 26.359 GAL -2.03 AZL 93.11 HCA 115.36 SMA 126.19 ECC .20729 INC 3.1099 V1 29.314
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.356 GAP -8.86 AZP 88.67 TAL 187.82 TAP 303.18 RCA 100.03 APO 152.35 V2 34.938
 RC 56.885 GL -24.07 GP -3.59 ZAL 108.00 ZAP 19.93 ETS 9.10 ZAE 147.28 ETE 9.49 ZAC 85.59 ETC 13.73 CLP -19.62

PLANETOCENTRIC CONIC

C3 12.279 VHL 3.504 DLA -12.87 RAL 148.35 RAD 6567.5 VEL 11.561 PTH 2.02 VHP 5.881 DPA -.61 RAP 180.65 ECC 1.2021
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 49 1692.89 -4.44 10.68 1.74 117.99 5 45 2 1092.9 -.66 4.04
 90.00 13 54 41 5159.63 25.55 230.43 5.80 77.36 15 20 41 4559.6 23.56 222.33
 100.00 6 31 30 1451.94 -5.39 352.44 1.22 119.45 6 55 41 851.9 -1.43 345.90
 100.00 15 22 42 4875.82 26.60 209.28 5.52 75.83 16 43 57 4275.8 24.39 201.18
 110.00 7 24 44 1285.19 -7.84 338.29 359.71 123.38 7 46 9 685.2 -3.40 332.02
 110.00 16 45 56 4615.33 29.36 188.59 4.61 71.65 18 2 52 4015.3 26.57 180.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4323 TRA -.3719 TC3 1.2425 BAU .2047
 RDE -.2232 RRA -.0669 RC3 .1035 FAU .06217
 FDE-1.0025 FRA .0270 FC3-4.3834 BSP 4042
 BDE .4866 BRA .3778 BC3 1.2468 FSP -850

SGT 1283.3 SGR 388.7 SG3 300.9
 RRT -.2504 RRF .2737 RTF -.8642
 SGB 1340.9 R23 -.0382 R13 .8654
 SG1 1287.4 SG2 375.1 THA 175.26

ST 731.7 SR 366.5 SS 834.3
 CRT -.9383 CRS -.9931 CST .9687
 LSA 1158.1 MSA 155.1 SSA 21.4
 EL1 810.3 EL2 114.4 ALF 154.27

LAUNCH DATE JUN 17 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 273.768

RL 151.98 LAL -.00 LOL 265.14 VL 26.454 GAL -2.14 AZL 93.07 HCA 118.55 SMA 126.80 ECC .20196 INC 3.0737 V1 29.314
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.435 GAP -8.18 AZP 88.53 TAL 188.51 TAP 307.06 RCA 101.19 APO 152.40 V2 34.951
 RC 58.673 GL -24.36 GP -3.94 ZAL 109.29 ZAP 22.74 ETS 8.59 ZAE 147.55 ETE 8.28 ZAC 85.30 ETC 13.77 CLP -22.41

PLANETOCENTRIC CONIC

C3 11.807 VHL 3.436 DLA -12.64 RAL 146.95 RAD 6567.5 VEL 11.541 PTH 2.01 VHP 5.526 DPA -1.10 RAP 180.87 ECC 1.1943
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 17 1692.30 -4.43 10.64 359.81 118.00 5 37 29 1092.3 -.65 4.00
 90.00 13 51 1 5143.68 25.31 229.33 3.71 76.86 15 16 45 4543.7 23.25 221.26
 100.00 6 24 7 1450.88 -5.35 352.38 359.30 119.45 6 48 17 850.9 -1.39 345.84
 100.00 15 18 53 4860.32 26.34 208.20 3.43 75.32 16 39 53 4260.3 24.06 200.14
 110.00 7 17 40 1283.16 -7.76 338.18 357.82 123.39 7 39 3 683.2 -3.32 331.91
 110.00 16 41 49 4600.81 29.04 187.58 2.51 71.12 17 58 30 4000.8 26.19 179.56

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4256 TRA -.3447 TC3 1.3092 BAU .2070
 RDE -.2178 RRA -.0640 RC3 .0774 FAU .06885
 FDE-1.0967 FRA -.0307 FC3-5.0487 BSP 4100
 BDE .4781 BRA .3506 BC3 1.3115 FSP -970

SGT 1288.4 SGR 382.9 SG3 338.9
 RRT -.2948 RRF .3231 RTF -.8683
 SGB 1344.1 R23 -.0469 R13 .8699
 SG1 1293.8 SG2 364.4 THA 174.56

ST 731.8 SR 364.6 SS 874.6
 CRT -.9439 CRS -.9948 CST .9681
 LSA 1187.0 MSA 155.1 SSA 21.2
 EL1 810.3 EL2 108.8 ALF 154.32

LAUNCH DATE JUN 17 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 280.417

RL 151.98 LAL -.00 LOL 265.14 VL 26.538 GAL -2.24 AZL 93.04 HCA 121.74 SMA 127.34 ECC .19724 INC 3.0352 V1 29.314
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.506 GAP -7.52 AZP 88.40 TAL 189.17 TAP 310.91 RCA 102.23 APO 152.46 V2 34.964
 RC 60.521 GL -24.58 GP -4.35 ZAL 110.51 ZAP 25.72 ETS 8.20 ZAE 148.10 ETE 7.04 ZAC 85.18 ETC 13.81 CLP -25.38

PLANETOCENTRIC CONIC

C3 11.398 VHL 3.376 DLA -12.38 RAL 145.66 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 5.192 DPA -1.56 RAP 180.91 ECC 1.1876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 1 54 1693.91 -4.48 10.73 358.06 117.99 5 30 7 1093.9 -.70 4.09
 90.00 13 48 8 5127.37 25.05 228.20 1.79 76.35 15 13 35 4527.4 22.93 220.18
 100.00 6 16 53 1451.96 -5.39 352.44 357.56 119.45 6 41 5 852.0 -1.43 345.90
 100.00 15 15 49 4844.56 26.06 207.11 1.50 74.81 16 36 34 4244.6 23.72 199.10
 110.00 7 10 48 1283.10 -7.76 338.17 356.10 123.39 7 32 11 683.1 -3.32 331.91
 110.00 16 38 24 4586.18 28.72 186.56 .57 70.60 17 54 50 3986.2 25.80 178.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4150 TRA -.3207 TC3 1.3557 BAU .2067
 RDE -.2132 RRA -.0617 RC3 .0446 FAU .07639
 FDE-1.2004 FRA -.0949 FC3-5.8019 BSP 4096
 BDE .4666 BRA .3265 BC3 1.3564 FSP -1104

SGT 1282.4 SGR 378.6 SG3 381.8
 RRT -.3450 RRF .3807 RTF -.8699
 SGB 1337.1 R23 -.0595 R13 .8721
 SG1 1289.5 SG2 353.3 THA 173.71

ST 724.4 SR 363.2 SS 915.8
 CRT -.9479 CRS -.9961 CST .9670
 LSA 1212.7 MSA 156.1 SSA 20.9
 EL1 803.7 EL2 104.3 ALF 154.11

LAUNCH DATE JUN 17 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 287.049

RL 151.98 LAL -.00 LOL 265.14 VL 26.613 GAL -2.32 AZL 92.99 HCA 124.94 SMA 127.83 ECC .19306 INC 2.9939 V1 29.314
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.571 GAP -6.89 AZP 88.28 TAL 189.79 TAP 314.72 RCA 103.15 APO 152.51 V2 34.977
 RC 62.420 GL -24.71 GP -4.82 ZAL 111.64 ZAP 28.90 ETS 7.90 ZAE 148.96 ETE 5.71 ZAC 85.26 ETC 13.85 CLP -28.53

PLANETOCENTRIC CONIC

C3 11.042 VHL 3.323 DLA -12.08 RAL 144.50 RAD 6567.4 VEL 11.508 PTH 2.00 VHP 4.879 DPA -2.00 RAP 180.75 ECC 1.1817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 54 43 1697.46 -4.59 10.93 356.47 117.97 5 23 0 1097.5 -.81 4.29
 90.00 13 46 0 5110.72 24.78 227.06 .04 75.84 15 11 11 4510.7 22.59 219.07
 100.00 6 9 54 1454.91 -5.49 352.61 355.98 119.43 6 34 9 854.9 -1.53 346.06
 100.00 15 13 31 4828.50 25.77 206.01 359.75 74.30 16 33 59 4228.5 23.37 198.04
 110.00 7 4 13 1284.79 -7.83 338.26 354.54 123.38 7 25 38 684.8 -3.38 332.00
 110.00 16 35 41 4571.39 28.38 185.55 358.81 70.09 17 51 52 3971.4 25.40 177.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4007 TRA -.3000 TC3 1.3795 BAU .2036
 RDE -.2095 RRA -.0601 RC3 .0045 FAU .08478
 FDE-1.3129 FRA -.1637 FC3-6.6473 BSP 4047
 BDE .4522 BRA .3060 BC3 1.3795 FSP -1254

SGT 1264.0 SGR 376.5 SG3 429.6
 RRT -.4008 RRF .4461 RTF -.8690
 SGB 1318.9 R23 -.0766 R13 .8721
 SG1 1273.7 SG2 342.3 THA 172.66

ST 709.5 SR 362.6 SS 956.6
 CRT -.9505 CRS -.9971 CST .9652
 LSA 1234.8 MSA 157.7 SSA 20.4
 EL1 790.3 EL2 101.1 ALF 153.62

LAUNCH DATE JUN 17 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 293.662

RL 151.98 LAL -1.00 LOL 265.14 VL 26.679 GAL -2.40 AZL 92.95 HCA 128.13 SMA 128.27 ECC .18939 INC 2.9493 V1 29.314
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.631 GAP -6.27 AZP 88.18 TAL 190.35 TAP 318.49 RCA 103.97 APO 152.56 V2 34.990
 RC 64.367 GL -24.75 GP -5.36 ZAL 112.67 ZAP 32.31 ETS 7.65 ZAE 150.12 ETE 4.22 ZAC 85.57 ETC 13.89 CLP -31.91

PLANETOCENTRIC CONIC

C3 10.729 VHL 3.275 DLA -11.75 RAL 143.46 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 4.587 DPA -2.42 RAP 180.36 ECC 1.1766
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 49 1702.71 -4.76 11.23 355.06 117.95 5 16 12 1102.7 -1.98 4.58
 90.00 13 44 40 5093.68 24.49 225.89 358.47 75.33 15 9 34 4493.7 22.24 217.95
 100.00 6 3 12 1459.51 -5.64 352.86 354.57 119.40 6 27 31 859.5 -1.68 346.31
 100.00 15 11 59 4812.11 25.46 204.89 358.18 73.79 16 32 11 4212.1 23.00 196.96
 110.00 6 57 58 1288.01 -7.95 338.44 353.16 123.36 7 19 26 688.0 -3.50 332.17
 110.00 16 33 42 4556.38 28.02 184.52 357.23 69.57 17 49 39 3956.4 24.99 176.67

DIFFERENTIAL CORRECTIONS

TDE .3827 TRA -2.821 TC3 1.3791 BAU .1979
 RDE -.2068 RRA -.0593 RC3 -.0444 FAU .09421
 FDE-1.4350 FRA -.2407 FC3-7.6022 BSP 3957
 BDE .4350 BRA .2882 BC3 1.3798 FSP -1424

MID-COURSE EXECUTION ACCURACY

SGT 1232.2 SGR 378.0 SG3 483.3
 RRT -.4616 RRF .5195 RTF -.8651
 SGB 1288.9 R23 -.1001 R13 .8699
 SG1 1245.5 S62 331.8 THA 171.32

ORBIT DETERMINATION ACCURACY

ST 686.8 SR 363.1 SS 997.8
 CRT -.9517 CRS -.9977 CST .9627
 LSA 1254.3 MSA 159.8 SSA 19.9
 EL1 770.5 EL2 99.3 ALF 152.80

LAUNCH DATE JUN 17 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 300.256

RL 151.98 LAL -1.00 LOL 265.14 VL 26.737 GAL -2.46 AZL 92.90 HCA 131.33 SMA 128.65 ECC .18618 INC 2.9005 V1 29.314
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.684 GAP -5.68 AZP 88.08 TAL 190.86 TAP 322.20 RCA 104.70 APO 152.60 V2 35.003
 RC 66.356 GL -24.72 GP -5.98 ZAL 113.61 ZAP 35.95 ETS 7.45 ZAE 151.61 ETE 2.49 ZAC 86.13 ETC 13.91 CLP -35.52

PLANETOCENTRIC CONIC

C3 10.449 VHL 3.232 DLA -11.39 RAL 142.57 RAD 6567.4 VEL 11.482 PTH 2.00 VHP 4.316 DPA -2.82 RAP 179.73 ECC 1.1720
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 41 13 1709.53 -4.98 11.61 353.82 117.91 5 9 43 1109.5 -1.20 4.96
 90.00 13 44 9 5076.14 24.18 224.70 357.08 74.80 15 8 45 4476.1 21.86 216.80
 100.00 5 56 49 1465.63 -5.85 353.20 353.34 119.37 6 21 15 865.6 -1.89 346.65
 100.00 15 11 14 4795.27 25.14 203.74 356.78 73.27 16 31 9 4195.3 22.61 195.86
 110.00 6 52 4 1292.62 -8.12 338.68 351.95 123.32 7 13 37 692.6 -3.68 332.41
 110.00 16 32 29 4541.04 27.66 183.48 355.82 69.06 17 48 10 3941.0 24.56 175.68

DIFFERENTIAL CORRECTIONS

TDE .3624 TRA -2.663 TC3 1.3553 BAU .1899
 RDE -.2053 RRA -.0594 RC3 -.1041 FAU .10478
 FDE-1.5698 FRA -.3261 FC3-8.6817 BSP 3858
 BDE .4165 BRA .2729 BC3 1.3593 FSP -1623

MID-COURSE EXECUTION ACCURACY

SGT 1188.4 SGR 385.3 SG3 543.7
 RRT -.5264 RRF .5996 RTF -.8587
 SGB 1249.3 R23 -.1310 R13 .8662
 SG1 1206.9 S62 322.5 THA 169.56

ORBIT DETERMINATION ACCURACY

ST 658.9 SR 365.3 SS 1041.7
 CRT -.9519 CRS -.9982 CST .9596
 LSA 1275.2 MSA 161.9 SSA 19.2
 EL1 746.9 EL2 98.7 ALF 151.64

LAUNCH DATE JUN 17 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 306.830

RL 151.98 LAL -1.00 LOL 265.14 VL 26.788 GAL -2.51 AZL 92.85 HCA 134.54 SMA 128.99 ECC .18340 INC 2.8466 V1 29.314
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.732 GAP -5.11 AZP 88.00 TAL 191.31 TAP 325.84 RCA 105.33 APO 152.64 V2 35.016
 RC 68.382 GL -24.60 GP -6.71 ZAL 114.44 ZAP 39.86 ETS 7.28 ZAE 153.41 ETE .36 ZAC 86.95 ETC 13.90 CLP -39.39

PLANETOCENTRIC CONIC

C3 10.194 VHL 3.193 DLA -10.99 RAL 141.83 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 4.068 DPA -3.21 RAP 178.83 ECC 1.1678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 34 58 1717.80 -5.24 12.08 352.75 117.87 5 3 36 1117.8 -1.47 5.43
 90.00 13 44 28 5057.94 23.85 223.47 355.85 74.27 15 8 46 4457.9 21.47 215.61
 100.00 5 50 48 1473.14 -6.10 353.62 352.28 119.32 6 15 21 873.1 -2.14 347.06
 100.00 15 11 19 4777.83 24.79 202.56 355.55 72.74 16 30 57 4177.8 22.19 194.73
 110.00 6 46 34 1298.52 -8.34 339.00 350.91 123.27 7 8 12 698.5 -3.90 332.72
 110.00 16 32 3 4525.22 27.27 182.41 354.58 68.54 17 47 28 3925.2 24.10 174.67

DIFFERENTIAL CORRECTIONS

TDE .3354 TRA -2.566 TC3 1.2912 BAU .1776
 RDE -.2048 RRA -.0600 RC3 -.1755 FAU .11617
 FDE-1.7065 FRA -.4110 FC3-9.8655 BSP 3656
 BDE .3930 BRA .2635 BC3 1.3031 FSP -1832

MID-COURSE EXECUTION ACCURACY

SGT 1123.5 SGR 399.5 SG3 608.7
 RRT -.5840 RRF .6799 RTF -.8447
 SGB 1128.4 R23 -.1770 R13 .8573
 SG1 1149.5 S62 316.9 THA 167.29

ORBIT DETERMINATION ACCURACY

ST 618.6 SR 368.9 SS 1081.3
 CRT -.9491 CRS -.9985 CST .9543
 LSA 1288.6 MSA 164.7 SSA 18.5
 EL1 713.2 EL2 100.8 ALF 149.82

LAUNCH DATE JUN 17 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 313.383

RL 151.98 LAL -1.00 LOL 265.14 VL 26.831 GAL -2.55 AZL 92.79 HCA 137.74 SMA 129.28 ECC .18100 INC 2.7864 V1 29.314
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.775 GAP -4.55 AZP 87.94 TAL 191.68 TAP 329.42 RCA 105.88 APO 152.68 V2 35.029
 RC 70.443 GL -24.39 GP -7.54 ZAL 115.16 ZAP 44.05 ETS 7.11 ZAE 155.53 ETE 357.64 ZAC 88.06 ETC 13.86 CLP -43.53

PLANETOCENTRIC CONIC

C3 9.958 VHL 3.156 DLA -10.55 RAL 141.23 RAD 6567.4 VEL 11.461 PTH 1.99 VHP 3.843 DPA -3.59 RAP 177.64 ECC 1.1639
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 29 1 1727.57 -5.55 12.63 351.85 117.81 4 57 49 1127.6 -1.78 5.97
 90.00 13 45 41 5038.82 23.49 222.18 354.79 73.72 15 9 40 4438.8 21.04 214.37
 100.00 5 45 7 1482.09 -6.39 354.12 351.39 119.26 6 9 49 882.1 -2.45 347.55
 100.00 15 12 17 4759.52 24.41 201.33 354.48 72.20 16 31 36 4159.5 21.75 193.55
 110.00 6 41 26 1305.73 -8.61 339.38 350.03 123.21 7 3 12 705.7 -4.18 333.09
 110.00 16 32 27 4508.65 26.85 181.31 353.50 68.00 17 47 36 3908.7 23.62 173.63

DIFFERENTIAL CORRECTIONS

TDE .3057 TRA -2.495 TC3 1.1972 BAU .1632
 RDE -.2058 RRA -.0616 RC3 -.2626 FAU .12871
 FDE-1.8524 FRA -.5025 FC3-11.1894 BSP 3444
 BDE .3686 BRA .2570 BC3 1.2256 FSP -2071

MID-COURSE EXECUTION ACCURACY

SGT 1044.7 SGR 424.3 SG3 680.6
 RRT -.6321 RRF .7578 RTF -.8234
 SGB 1127.5 R23 -.2370 R13 .8459
 SG1 1081.9 S62 317.4 THA 164.20

ORBIT DETERMINATION ACCURACY

ST 572.5 SR 375.3 SS 1122.7
 CRT -.9441 CRS -.9987 CST .9470
 LSA 1304.1 MSA 167.2 SSA 17.7
 EL1 676.5 EL2 104.7 ALF 147.37

LAUNCH DATE JUN 17 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 319.915

RL 151.98 LAL -.00 LOL 265.14 VL 26.867 GAL -2.58 AZL 92.72 HCA 140.95 SMA 129.52 ECC .17895 INC 2.7182 V1 29.314
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.813 GAP -4.02 AZP 87.89 TAL 191.99 TAP 332.94 RCA 106.35 APO 152.70 V2 35.042
 RC 72.534 GL -24.08 GP -8.52 ZAL 115.78 ZAP 48.51 ETS 6.92 ZAE 157.92 ETE 353.97 ZAC 89.47 ETC 13.78 CLP -47.95

PLANETOCENTRIC CONIC

C3 9.734 VHL 3.120 DLA -10.07 RAL 140.80 RAD 6567.4 VEL 11.451 PTH 1.99 VHP 3.642 DPA -3.99 RAP 176.14 ECC 1.1602
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 23 21 1738.96 -5.91 13.27 351.12 117.74 4 52 20 1139.0 -2.15 6.61
 90.00 13 47 53 5018.38 23.10 220.82 353.89 73.15 15 11 31 4418.4 20.57 213.06
 100.00 5 39 43 1492.60 -6.74 354.70 350.66 119.19 6 4 36 892.6 -2.80 348.13
 100.00 15 14 12 4739.97 24.00 200.03 353.57 71.63 16 33 12 4140.0 21.27 192.30
 110.00 6 36 39 1314.33 -8.93 339.84 349.33 123.13 6 58 33 714.3 -4.50 333.55
 110.00 16 33 46 4491.00 26.39 180.14 352.59 67.44 17 48 37 3891.0 23.10 172.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2689 TRA -.2487 TC3 1.0519 BAU .1450 SGT 943.4 SGR 460.7 SG3 754.5 ST 513.5 SR 383.6 SS 1155.6
 RDE -.2079 RRA -.0638 RC3 -.3663 FAU .14158 RRT -.6523 RRF .8253 RTF -.7834 CRT -.9330 CRS -.9989 CST .9343
 FDE -1.9877 FRA -.5859 FC-12.5921 BSP 3125 SGB 1049.8 R23 -.3180 R13 .8274 LSA 1310.3 MSA 170.2 SSA 16.9
 BDE .3400 BRA .2567 BC3 1.1139 FSP -2307 SG1 996.4 SG2 330.6 THA 160.04 EL1 631.0 EL2 112.4 ALF 143.80

LAUNCH DATE JUN 17 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 326.426

RL 151.98 LAL -.00 LOL 265.14 VL 26.897 GAL -2.60 AZL 92.64 HCA 144.16 SMA 129.73 ECC .17723 INC 2.6399 V1 29.314
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.846 GAP -3.50 AZP 87.86 TAL 192.22 TAP 336.37 RCA 106.74 APO 152.72 V2 35.056
 RC 74.652 GL -23.65 GP -9.65 ZAL 116.30 ZAP 53.27 ETS 6.69 ZAE 160.52 ETE 348.76 ZAC 91.18 ETC 13.62 CLP -52.65

PLANETOCENTRIC CONIC

C3 9.515 VHL 3.085 DLA -9.52 RAL 140.53 RAD 6567.3 VEL 11.441 PTH 1.98 VHP 3.466 DPA -4.42 RAP 174.32 ECC 1.1566
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 17 52 1752.34 -6.33 14.02 350.55 117.66 4 47 5 1152.3 -2.58 7.35
 90.00 13 51 11 4996.04 22.65 219.33 353.14 72.54 15 14 27 4396.0 20.05 211.63
 100.00 5 34 32 1505.00 -7.16 355.39 350.11 119.10 5 59 37 905.0 -3.22 348.81
 100.00 15 17 12 4718.61 23.54 198.61 352.82 71.02 16 35 51 4118.6 20.73 190.94
 110.00 6 32 9 1324.62 -9.31 340.39 348.80 123.04 6 54 13 724.6 -4.90 334.09
 110.00 16 36 5 4471.75 25.88 178.87 351.82 66.85 17 50 37 3871.8 22.52 171.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2275 TRA -.2527 TC3 .8593 BAU .1259 SGT 828.3 SGR 511.8 SG3 830.1 ST 446.3 SR 394.7 SS 1182.1
 RDE -.2115 RRA -.0665 RC3 -.4916 FAU .15469 RRT -.6302 RRF .8803 RTF -.7124 CRT -.9126 CRS -.9991 CST .9127
 FDE -2.1108 FRA -.6586 FC-14.0754 BSP 2793 SGB 973.6 R23 -.4089 R13 .8056 LSA 1312.3 MSA 173.1 SSA 16.1
 BDE .3106 BRA .2613 BC3 .9899 FSP -2558 SG1 902.8 SG2 364.6 THA 154.22 EL1 582.8 EL2 123.6 ALF 138.84

LAUNCH DATE JUN 17 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 332.916

RL 151.98 LAL -.00 LOL 265.14 VL 26.922 GAL -2.60 AZL 92.55 HCA 147.37 SMA 129.90 ECC .17580 INC 2.5482 V1 29.314
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.876 GAP -2.99 AZP 87.85 TAL 192.37 TAP 339.74 RCA 107.06 APO 152.73 V2 35.069
 RC 76.795 GL -23.09 GP -10.98 ZAL 116.72 ZAP 58.30 ETS 6.38 ZAE 163.18 ETE 341.03 ZAC 93.19 ETC 13.38 CLP -57.64

PLANETOCENTRIC CONIC

C3 9.295 VHL 3.049 DLA -8.89 RAL 140.42 RAD 6567.3 VEL 11.432 PTH 1.98 VHP 3.318 DPA -4.93 RAP 172.18 ECC 1.1530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 26 1768.29 -6.84 14.93 350.16 117.55 4 41 54 1168.3 -3.09 8.25
 90.00 13 55 49 4970.95 22.13 217.68 352.54 71.87 15 18 40 4370.9 19.44 210.03
 100.00 5 29 26 1519.85 -7.65 356.22 349.72 118.99 5 54 46 919.8 -3.72 349.63
 100.00 15 21 29 4694.62 23.00 197.03 352.22 70.36 16 39 44 4094.6 20.11 189.43
 110.00 6 27 49 1337.07 -9.77 341.06 348.43 122.92 6 50 6 737.1 -5.37 334.74
 110.00 16 39 36 4450.17 25.30 177.47 351.21 66.21 17 53 46 3850.2 21.86 170.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1829 TRA -.2593 TC3 .6198 BAU .1111 SGT 710.1 SGR 581.1 SG3 906.0 ST 374.4 SR 409.3 SS 1202.1
 RDE -.2166 RRA -.0701 RC3 -.6440 FAU .16771 RRT -.5395 RRF .9221 RTF -.5843 CRT -.8756 CRS -.9992 CST .8746
 FDE -2.2152 FRA -.7251 FC-15.6208 BSP 2508 SGB 917.6 R23 -.4761 R13 .7964 LSA 1312.1 MSA 175.6 SSA 15.2
 BDE .2835 BRA .2686 BC3 .8938 FSP -2816 SG1 811.6 SG2 428.1 THA 145.25 EL1 537.3 EL2 137.8 ALF 132.09

LAUNCH DATE JUN 17 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 339.384

RL 151.98 LAL -.00 LOL 265.14 VL 26.941 GAL -2.60 AZL 92.44 HCA 150.58 SMA 130.03 ECC .17463 INC 2.4389 V1 29.314
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.902 GAP -2.50 AZP 87.88 TAL 192.45 TAP 343.03 RCA 107.32 APO 152.74 V2 35.082
 RC 78.958 GL -22.36 GP -12.55 ZAL 117.05 ZAP 63.57 ETS 5.96 ZAE 165.57 ETE 329.26 ZAC 95.48 ETC 13.00 CLP -62.87

PLANETOCENTRIC CONIC

C3 9.068 VHL 3.011 DLA -8.14 RAL 140.51 RAD 6567.3 VEL 11.422 PTH 1.98 VHP 3.198 DPA -5.56 RAP 169.73 ECC 1.1492
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 6 49 1787.78 -7.45 16.03 349.94 117.40 4 36 37 1187.8 -3.72 9.34
 90.00 14 2 4 4941.07 21.50 215.78 352.09 71.11 15 24 26 4341.9 18.72 208.20
 100.00 5 24 14 1538.05 -8.25 357.24 349.51 118.83 5 49 52 938.0 -4.33 350.63
 100.00 15 27 21 4666.83 22.35 195.22 351.76 69.61 16 45 8 4066.8 19.37 187.69
 110.00 6 23 30 1352.46 -10.34 341.89 348.24 122.76 6 46 2 752.5 -5.95 335.55
 110.00 16 44 34 4425.19 24.60 175.86 350.74 65.48 17 58 19 3825.2 21.09 168.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1337 TRA -.2711 TC3 .3187 BAU .1074 SGT 610.8 SGR 668.7 SG3 974.1 ST 298.7 SR 425.7 SS 1203.8
 RDE -.2225 RRA -.0732 RC3 -.8270 FAU .17932 RRT -.3183 RRF .9511 RTF -.3370 CRT -.7959 CRS -.9994 CST .7944
 FDE -2.2723 FRA -.7573 FC-17.1202 BSP 2319 SGB 905.6 R23 -.4175 R13 .8554 LSA 1299.1 MSA 178.2 SSA 14.4
 BDE .2596 BRA .2808 BC3 .8863 FSP -3041 SG1 738.4 SG2 524.3 THA 127.05 EL1 496.4 EL2 155.1 ALF 122.78

LAUNCH DATE JUN 17 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 345.831

RL 151.98 LAL -.00 LOL 265.14 VL 26.955 GAL -2.58 AZL 92.31 HCA 153.80 SMA 130.13 ECC .17370 INC 2.3053 V1 29.314
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.924 GAP -2.02 AZP 87.93 TAL 192.45 TAP 346.25 RCA 107.52 APO 152.73 V2 35.094
 RC 81.139 GL -21.38 GP -14.41 ZAL 117.29 ZAP 69.03 ETS 5.39 ZAE 167.11 ETE 312.02 ZAC 98.01 ETC 12.46 CLP -68.31

PLANETOCENTRIC CONIC

C3 8.827 VHL 2.971 DLA -7.21 RAL 140.79 RAD 6567.3 VEL 11.411 PTH 1.98 VHP 3.109 DPA -6.39 RAP 166.99 ECC 1.1453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 0 42 1812.40 -8.22 17.43 349.91 117.19 4 30 54 1212.4 -4.51 10.72
 90.00 14 10 27 4906.90 20.71 213.52 351.78 70.25 15 32 14 4306.9 17.83 206.03
 100.00 5 18 35 1561.12 -9.00 358.54 349.49 118.63 5 44 36 961.1 -5.11 351.91
 100.00 15 35 15 4633.41 21.54 193.07 351.45 68.76 16 52 28 4033.4 18.46 185.63
 110.00 6 18 57 1372.13 -11.06 342.96 348.25 122.55 6 41 49 772.1 -6.69 336.59
 110.00 16 51 23 4395.16 23.74 173.95 350.42 64.65 18 4 38 3795.2 20.13 166.67

DIFFERENTIAL CORRECTIONS

TDE .0828 TRA -.2853 TC3 -.0424 BAU .1239
 RDE -.2284 RRA -.0757 RC3-1.0489 FAU .18871
 FDE-2.2651 FRA -.7533 FC-18.5091 BSP 2407
 BDE .2429 BRA .2952 BC3 1.0497 FSP -3227

MID-COURSE EXECUTION ACCURACY

SGT 577.7 SGR 777.2 SG3 1030.2
 RRT .0600 RRF .9705 RTF .0568
 SGB 968.4 R23 .0720 R13 .9678
 SG1 778.9 SG2 575.3 THA 84.36

ORBIT DETERMINATION ACCURACY

ST 230.7 SR 443.0 SS 1182.8
 CRT -.6166 CRS -.9995 CST .6150
 LSA 1271.1 MSA 180.7 SSA 13.6
 EL1 469.1 EL2 171.5 ALF 110.69

LAUNCH DATE JUN 17 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 352.257

RL 151.98 LAL -.00 LOL 265.14 VL 26.965 GAL -2.55 AZL 92.14 HCA 157.01 SMA 130.20 ECC .17300 INC 2.1370 V1 29.314
 RP 107.94 LAP -.83 LOP 62.17 VP 37.942 GAP -1.56 AZP 88.03 TAL 192.38 TAP 349.39 RCA 107.67 APO 152.72 V2 35.107
 RC 83.336 GL -20.08 GP -16.65 ZAL 117.46 ZAP 74.61 ETS 4.61 ZAE 166.99 ETE 290.89 ZAC 100.74 ETC 11.68 CLP -73.92

PLANETOCENTRIC CONIC

C3 8.564 VHL 2.926 DLA -6.00 RAL 141.30 RAD 6567.3 VEL 11.400 PTH 1.97 VHP 3.054 DPA -7.54 RAP 163.96 ECC 1.1409
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 53 30 1844.80 -9.22 19.28 350.09 116.89 4 24 15 1244.8 -5.54 12.54
 90.00 14 21 45 4863.00 19.68 210.71 351.62 69.22 15 42 48 4263.0 16.67 203.32
 100.00 5 12 0 1591.58 -9.99 .26 349.69 118.32 5 38 32 991.6 -6.13 353.60
 100.00 15 45 57 4591.46 20.48 190.40 351.29 67.74 17 2 28 3991.5 17.28 183.07
 110.00 6 13 44 1398.31 -12.02 344.38 348.48 122.24 6 37 2 798.3 -7.68 337.98
 110.00 17 0 42 4357.49 22.62 171.60 350.25 63.66 18 13 20 3757.5 18.90 164.44

DIFFERENTIAL CORRECTIONS

TDE .0346 TRA -.2989 TC3 -.4597 BAU .1605
 RDE -.2337 RRA -.0773 RC3-1.3246 FAU .19535
 FDE-2.1835 FRA -.7143 FC-19.7484 BSP 2871
 BDE .2362 BRA .3087 BC3 1.4021 FSP -3375

MID-COURSE EXECUTION ACCURACY

SGT 650.6 SGR 913.0 SG3 1071.7
 RRT .4496 RRF .9829 RTF .4520
 SGB 1121.1 R23 .2462 R13 .9517
 SG1 982.4 SG2 540.1 THA 63.76

ORBIT DETERMINATION ACCURACY

ST 189.3 SR 460.4 SS 1137.4
 CRT -.2615 CRS -.9995 CST .2607
 LSA 1228.0 MSA 182.6 SSA 12.8
 EL1 463.5 EL2 181.5 ALF 97.25

LAUNCH DATE JUN 17 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 358.662

RL 151.98 LAL -.00 LOL 265.14 VL 26.971 GAL -2.52 AZL 91.92 HCA 160.23 SMA 130.23 ECC .17250 INC 1.9173 V1 29.314
 RP 107.91 LAP -.65 LOP 65.39 VP 37.958 GAP -1.11 AZP 88.20 TAL 192.23 TAP 352.46 RCA 107.77 APO 152.70 V2 35.119
 RC 85.546 GL -18.27 GP -19.44 ZAL 117.58 ZAP 80.20 ETS 3.53 ZAE 164.76 ETE 271.87 ZAC 103.58 ETC 10.57 CLP -79.61

PLANETOCENTRIC CONIC

C3 8.271 VHL 2.876 DLA -4.37 RAL 142.11 RAD 6567.3 VEL 11.387 PTH 1.97 VHP 3.039 DPA -9.19 RAP 160.68 ECC 1.1361
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 21 1889.59 -10.59 21.86 350.56 116.42 4 15 50 1289.6 -6.96 15.07
 90.00 14 37 21 4805.11 18.24 207.08 351.65 67.95 15 57 26 4205.1 15.09 199.82
 100.00 5 3 38 1633.80 -11.34 2.66 350.17 117.84 5 30 52 1033.8 -7.53 355.95
 100.00 16 0 44 4536.13 19.02 186.95 351.31 66.49 17 16 20 3936.1 15.67 179.75
 110.00 6 7 11 1434.87 -13.34 346.39 349.00 121.77 6 31 6 834.9 -9.04 339.93
 110.00 17 13 41 4307.83 21.09 168.56 350.25 62.45 18 25 29 3707.8 17.24 161.56

DIFFERENTIAL CORRECTIONS

TDE -.0079 TRA -.3109 TC3 -.9450 BAU .2119
 RDE -.2347 RRA -.0753 RC3-1.6673 FAU .19725
 FDE-1.9850 FRA -.6159 FC-20.6467 BSP 3651
 BDE .2348 BRA .3199 BC3 1.9165 FSP -3430

MID-COURSE EXECUTION ACCURACY

SGT 825.6 SGR 1077.5 SG3 1086.7
 RRT .6993 RRF .9905 RTF .7012
 SGB 1357.4 R23 .2510 R13 .9583
 SG1 1260.1 SG2 504.7 THA 55.53

ORBIT DETERMINATION ACCURACY

ST 187.7 SR 470.6 SS 1047.0
 CRT -.1833 CRS -.9996 CST -.1823
 LSA 1148.3 MSA 184.5 SSA 12.2
 EL1 472.1 EL2 184.0 ALF 85.07

LAUNCH DATE JUN 17 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 365.045

RL 151.98 LAL -.00 LOL 265.14 VL 26.972 GAL -2.47 AZL 91.62 HCA 163.46 SMA 130.25 ECC .17218 INC 1.6156 V1 29.314
 RP 107.87 LAP -.46 LOP 68.60 VP 37.970 GAP -.67 AZP 88.45 TAL 192.00 TAP 355.46 RCA 107.82 APO 152.67 V2 35.131
 RC 87.767 GL -15.65 GP -23.03 ZAL 117.65 ZAP 85.68 ETS 2.03 ZAE 160.59 ETE 258.91 ZAC 106.46 ETC 8.99 CLP -85.31

PLANETOCENTRIC CONIC

C3 7.939 VHL 2.818 DLA -2.01 RAL 143.31 RAD 6567.3 VEL 11.372 PTH 1.96 VHP 3.072 DPA -11.60 RAP 157.10 ECC 1.1307
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 31 30 1955.50 -12.56 25.70 351.46 115.59 4 4 5 1355.5 -9.01 18.82
 90.00 14 59 45 4724.01 16.09 202.09 351.95 66.38 16 18 29 4124.0 12.76 194.99
 100.00 4 51 54 1696.12 -13.30 6.26 351.08 117.02 5 20 10 1096.1 -9.57 359.45
 100.00 16 22 2 4458.62 16.84 182.22 351.59 64.93 17 36 21 3858.6 13.33 175.19
 110.00 5 58 0 1489.20 -15.26 349.43 349.96 120.96 6 22 49 889.2 -11.05 342.86
 110.00 17 32 25 4238.30 18.85 164.42 350.52 60.94 18 43 4 3638.3 14.83 157.61

DIFFERENTIAL CORRECTIONS

TDE -.0352 TRA -.3159 TC3-1.4960 BAU .2746
 RDE -.2269 RRA -.0680 RC3-2.1112 FAU .19352
 FDE-1.6523 FRA -.4626 FC-21.1027 BSP 4695
 BDE .2297 BRA .3231 BC3 2.5875 FSP -3394

MID-COURSE EXECUTION ACCURACY

SGT 1062.5 SGR 1283.6 SG3 1070.8
 RRT .8248 RRF .9951 RTF .8256
 SGB 1666.3 R23 .2252 R13 .9693
 SG1 1594.6 SG2 483.5 THA 51.49

ORBIT DETERMINATION ACCURACY

ST 207.2 SR 464.7 SS 899.9
 CRT .4356 CRS -.9996 CST -.4328
 LSA 1016.9 MSA 186.0 SSA 11.9
 EL1 475.0 EL2 182.5 ALF 77.06

LAUNCH DATE JUN 17 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

RL 151.98 LAL -.00 LOL 265.14 VL 26.971 GAL -2.40 AZL 91.17 HCA 166.68 SMA 130.23 ECC .17204 INC 1.1725 V1 29.314
 RP 107.83 LAP -.27 LOP 71.82 VP 37.979 GAP -.24 AZP 88.86 TAL 191.70 TAP 358.38 RCA 107.83 APO 152.64 V2 35.143
 RC 89.996 GL -11.57 GP -27.88 ZAL 117.69 ZAP 90.85 ETS 359.91 ZAE 154.67 ETE 251.54 ZAC 109.27 ETC 6.65 CLP -90.96

PLANETOCENTRIC CONIC

C3 7.570 VHL 2.751 DLA 1.68 RAL 145.12 RAD 6567.2 VEL 11.356 PTH 1.96 VHP 3.177 DPA -15.23 RAP 153.10 ECC 1.1246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 11 25 2061.01 -15.57 31.99 353.15 113.95 3 45 46 1461.0 -12.20 24.93
 90.00 15 34 18 4601.08 12.60 194.75 352.75 64.43 16 50 59 4001.1 9.06 187.86
 100.00 4 33 32 1796.11 -16.31 12.15 352.79 115.40 5 3 28 1196.1 -12.75 5.17
 100.00 16 54 52 4341.20 13.33 175.27 352.38 62.99 18 7 13 3741.2 9.60 168.46
 110.00 5 43 34 1576.90 -18.27 354.45 351.73 119.41 6 9 51 976.9 -14.21 347.68
 110.00 18 1 19 4133.18 15.26 158.38 351.28 59.04 19 10 13 3533.2 11.05 151.81

DIFFERENTIAL CORRECTIONS

TDE -.0335 TRA -.3077 TC3-2.1227 BAU .3474
 RDE -.1961 RRA -.0482 RC3-2.6977 FAU .18154
 FDE -1.1313 FRA -.2348 FC-20.7629 BSP 5941
 BDE .1989 BRA .3115 BC3 3.4327 FSP -3199

MID-COURSE EXECUTION ACCURACY

SGT 1334.2 SGR 1542.8 SG3 1008.8
 RRT .8874 RRF .9976 RTF .8873
 SGB 2039.7 R23 .1960 R13 .9782
 SG1 1982.8 SG2 478.6 THA 49.66

ORBIT DETERMINATION ACCURACY

ST 207.6 SR 411.8 SS 654.7
 CRT .4193 CRS -.9993 CST -.4133
 LSA 778.4 MSA 187.6 SSA 12.9
 EL1 423.2 EL2 183.4 ALF 75.23

LAUNCH DATE JUN 17 1967

FLIGHT TIME 136.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

RL 151.98 LAL -.00 LOL 265.14 VL 26.965 GAL -2.33 AZL 90.45 HCA 169.90 SMA 130.20 ECC .17206 INC .4466 V1 29.314
 RP 107.80 LAP -.08 LOP 75.05 VP 37.986 GAP .18 AZP 89.55 TAL 191.34 TAP 1.24 RCA 107.79 APO 152.60 V2 35.154
 RC 92.232 GL -4.55 GP -34.90 ZAL 117.58 ZAP 95.34 ETS 356.80 ZAE 146.63 ETE 248.17 ZAC 111.80 ETC 3.05 CLP -96.52

PLANETOCENTRIC CONIC

C3 7.218 VHL 2.687 DLA 8.07 RAL 148.09 RAD 6567.2 VEL 11.341 PTH 1.95 VHP 3.414 DPA -20.94 RAP 148.32 ECC 1.1188
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 34 48 2253.46 -20.49 43.96 356.74 109.98 3 12 21 1653.5 -17.59 36.49
 90.00 16 34 36 4391.54 6.18 182.71 354.95 62.31 17 47 48 3791.5 2.43 176.04
 100.00 4 0 2 1978.53 -21.27 23.42 356.43 111.51 4 33 1 1378.5 -18.16 16.01
 100.00 17 52 3 4141.71 6.91 163.94 354.55 60.85 19 1 4 3541.7 2.97 157.36
 110.00 5 17 11 1737.12 -23.33 4.12 355.46 115.72 5 46 8 1137.1 -19.68 356.89
 110.00 18 51 23 3955.88 8.84 148.66 353.38 56.84 19 57 19 3355.9 4.41 142.37

DIFFERENTIAL CORRECTIONS

TDE .0314 TRA -.2711 TC3-2.8022 BAU .4311
 RDE -.1085 RRA -.0018 RC3-3.4795 FAU .15819
 FDE -.3886 FRA .0637 FC-18.9726 BSP 7395
 BDE .1130 BRA .2712 BC3 4.4676 FSP -2802

MID-COURSE EXECUTION ACCURACY

SGT 1616.4 SGR 1883.9 SG3 883.8
 RRT .9201 RRF .9990 RTF .9202
 SGB 2482.3 R23 .1655 R13 .9852
 SG1 2433.5 SG2 490.1 THA 49.74

ORBIT DETERMINATION ACCURACY

ST 193.0 SR 238.1 SS 260.8
 CRT -.2781 CRS -.9920 CST .2868
 LSA 358.2 MSA 182.1 SSA 22.2
 EL1 251.0 EL2 175.8 ALF 116.36

LAUNCH DATE JUN 17 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

RL 151.98 LAL -.00 LOL 265.14 VL 26.957 GAL -2.24 AZL 89.07 HCA 173.13 SMA 130.14 ECC .17222 INC .9268 V1 29.314
 RP 107.77 LAP .11 LOP 78.27 VP 37.990 GAP .59 AZP 90.93 TAL 190.90 TAP 4.03 RCA 107.73 APO 152.55 V2 35.165
 RC 94.474 GL 9.34 GP -45.85 ZAL 116.42 ZAP 98.38 ETS 352.08 ZAE 135.08 ETE 247.41 ZAC 113.48 ETC 357.21 CLP -102.08

PLANETOCENTRIC CONIC

C3 7.311 VHL 2.704 DLA 20.79 RAL 153.94 RAD 6567.2 VEL 11.345 PTH 1.96 VHP 3.987 DPA -30.28 RAP 141.66 ECC 1.1203
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 0 18 2714.40 -27.75 75.60 6.63 95.90 1 45 33 2114.4 -26.64 67.11
 90.00 18 55 47 3935.17 -8.41 157.10 2.83 62.86 20 1 22 3335.2 -11.98 150.24
 100.00 2 35 28 2407.55 -28.91 52.87 6.47 97.96 3 15 35 1807.5 -27.50 44.35
 100.00 20 3 19 3717.25 -7.37 140.53 2.27 60.95 21 5 16 3117.3 -11.19 133.82
 110.00 4 13 1 2102.33 -31.79 29.06 5.84 103.27 4 48 4 1502.3 -29.64 20.51
 110.00 20 42 15 3595.23 -4.87 129.73 .73 56.12 21 42 10 2995.2 -9.28 123.43

DIFFERENTIAL CORRECTIONS

TDE .2530 TRA -.1693 TC3-3.3192 BAU .5269
 RDE .1445 RRA .1181 RC3-4.2477 FAU .11720
 FDE .5646 FRA .4151 FC-13.8783 BSP 9081
 BDE .2914 BRA .2064 BC3 5.3907 FSP -2090

MID-COURSE EXECUTION ACCURACY

SGT 1912.2 SGR 2332.8 SG3 661.6
 RRT .9381 RRF .9996 RTF .9391
 SGB 3016.4 R23 .1363 R13 .9903
 SG1 2971.2 SG2 520.1 THA 51.02

ORBIT DETERMINATION ACCURACY

ST 551.0 SR 323.9 SS 430.5
 CRT .8887 CRS -.9992 CST -.9020
 LSA 750.6 MSA 174.7 SSA 7.4
 EL1 625.6 EL2 130.8 ALF 28.97

LAUNCH DATE JUN 17 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

RL 151.98 LAL -.00 LOL 265.14 VL 26.946 GAL -2.15 AZL 85.25 HCA 176.34 SMA 130.06 ECC .17252 INC 4.7444 V1 29.314
 RP 107.73 LAP .30 LOP 81.50 VP 37.992 GAP .99 AZP 94.74 TAL 190.39 TAP 6.73 RCA 107.62 APO 152.50 V2 35.175
 RC 96.719 GL 39.17 GP -64.40 ZAL 109.13 ZAP 98.08 ETS 344.44 ZAE 116.61 ETE 247.07 ZAC 112.61 ETC 347.01 CLP -108.99

PLANETOCENTRIC CONIC

C3 12.454 VHL 3.529 DLA 47.15 RAL 171.30 RAD 6567.5 VEL 11.569 PTH 2.02 VHP 5.949 DPA -45.96 RAP 128.68 ECC 1.2050
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.59 19 6 1 4158.87 -35.51 190.64 39.87 56.67 20 15 20 3558.9 -39.60 182.38
 129.41 3 8 35 2699.65 -35.50 76.74 39.86 56.66 3 53 34 2099.7 -39.59 68.48
 50.59 19 6 1 4158.87 -35.51 190.64 39.87 56.67 20 15 20 3558.9 -39.60 182.38
 129.41 3 8 35 2699.65 -35.50 76.74 39.86 56.66 3 53 34 2099.7 -39.59 68.48
 50.59 19 6 1 4158.87 -35.51 190.64 39.87 56.67 20 15 20 3558.9 -39.60 182.38
 129.41 3 8 35 2699.65 -35.50 76.74 39.86 56.66 3 53 34 2099.7 -39.59 68.48

DIFFERENTIAL CORRECTIONS

TDE 1.0523 TRA .1865 TC3-2.2015 BAU .6047
 RDE .9161 RRA .5202 RC3-2.8888 FAU .05429
 FDE 1.2683 FRA .6891 FC3-3.7737 BSP 10643
 BDE 1.3952 BRA .5526 BC3 3.6320 FSP -996

MID-COURSE EXECUTION ACCURACY

SGT 2351.9 SGR 2812.7 SG3 323.7
 RRT .9466 RRF .9997 RTF .9519
 SGB 3666.4 R23 .1163 R13 .9930
 SG1 3618.8 SG2 589.3 THA 50.38

ORBIT DETERMINATION ACCURACY

ST 1714.3 SR 1534.6 SS 1089.2
 CRT .9860 CRS -.9999 CST -.9876
 LSA 2537.1 MSA 208.2 SSA 1.3
 EL1 2292.8 EL2 191.6 ALF 41.79

LAUNCH DATE JUN 17 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 396.393

RL 151.98 LAL -.00 LOL 265.14 VL 26.932 GAL -1.99 AZL 40.28 HCA 179.35 SMA 129.97 ECC .17281 INC49.7079 V1 29.314
 RP 107.70 LAP .49 LOP 84.72 VP 37.991 GAP 1.32 AZP 139.72 TAL 189.62 TAP 8.97 RCA 107.51 APO 152.43 V2 35.185
 RC 98.967 GL 59.79 GP -67.78 ZAL 92.62 ZAP 91.83 ETS 186.87 ZAE 70.62 ETE 95.80 ZAC 104.73 ETC 180.76 CLP 94.84

PLANETOCENTRIC CONIC

C3 564.599 VHL 23.761 DLA 55.87 RAL 207.97 RAD 6572.5 VEL 26.190 PTH 3.37 VHP 32.800 DPA -59.74 RAP 49.94 ECC10.2919
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 39.59 20 58 6 4979.57 -1.56 236.17 116.93 34.14 22 21 6 4379.6 -8.17 232.07
 140.41 6 9 3 3362.93 -1.54 105.78 116.91 34.14 7 5 6 2762.9 -8.15 101.67
 39.59 20 58 6 4979.57 -1.56 236.17 116.93 34.14 22 21 6 4379.6 -8.17 232.07
 140.41 6 9 3 3362.93 -1.54 105.78 116.91 34.14 7 5 6 2762.9 -8.15 101.67
 39.59 20 58 6 4979.57 -1.56 236.17 116.93 34.14 22 21 6 4379.6 -8.17 232.07
 140.41 6 9 3 3362.93 -1.54 105.78 116.91 34.14 7 5 6 2762.9 -8.15 101.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2759 TRA -.8321 TC3 -.0740 BAU 1.9238
 RDE-6.0828 RRA-7.8392 RC3 -.2439 FAU-.03106
 FDE 1.0825 FRA 1.5638 FC3 .0476 BSP 2083
 BDE 6.9088 BRA 7.8832 BC3 .2549 FSP -36

SGT 935.7 SGR 3853.1 SG3 65.3
 RRT .7686 RRF -.9993 RTF -.7441
 SGB 3965.1 R23 -.0661 R13 -.9978
 SG1 3921.3 SG2 588.2 THA 79.18

ST 797.2 SR 1781.6 SS 934.9
 CRT .8923 CRS .9985 CST .8665
 LSA 2135.8 MSA 349.7 SSA .6
 EL1 1923.2 EL2 333.4 ALF 67.52

LAUNCH DATE JUN 17 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 402.990

RL 151.98 LAL -.00 LOL 265.14 VL 26.916 GAL -1.94 AZL 103.63 HCA 182.89 SMA 129.86 ECC .17360 INC13.6234 V1 29.314
 RP 107.67 LAP .68 LOP 87.95 VP 37.989 GAP 1.80 AZP 76.39 TAL 189.30 TAP 12.19 RCA 107.31 APO 152.40 V2 35.195
 RC 101.218 GL -62.19 GP -69.36 ZAL 98.49 ZAP 100.76 ETS 34.24 ZAE 104.78 ETE 127.48 ZAC 86.44 ETC 36.15 CLP-121.98

PLANETOCENTRIC CONIC

C3 51.331 VHL 7.165 DLA -47.57 RAL 129.41 RAD 6568.9 VEL 13.141 PTH 2.40 VHP 7.243 DPA 71.48 RAP 221.53 ECC 1.8448
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.04 4 18 51 1861.66 21.04 41.57 18.80 133.70 4 49 53 1261.7 26.45 35.54
 129.96 12 21 33 5680.32 21.06 264.63 18.82 133.69 13 56 13 5080.3 26.46 258.59
 50.04 4 18 51 1861.66 21.04 41.57 18.80 133.70 4 49 53 1261.7 26.45 35.54
 129.96 12 21 33 5680.32 21.06 264.63 18.82 133.69 13 56 13 5080.3 26.46 258.59
 50.04 4 18 51 1861.66 21.04 41.57 18.80 133.70 4 49 53 1261.7 26.45 35.54
 129.96 12 21 33 5680.32 21.06 264.63 18.82 133.69 13 56 13 5080.3 26.46 258.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9301 TRA -1.4291 TC3 -.5467 BAU .4685
 RDE 2.9477 RRA .5521 RC3 .4090 FAU .03022
 FDE-3.1778 FRA -.8021 FC3 -.5097 BSP 11379
 BDE 4.1563 BRA 1.5320 BC3 .6828 FSP -718

SGT 2995.5 SGR 2515.7 SG3 242.8
 RRT -.9410 RRF -.9960 RTF .9668
 SGB 3911.8 R23 .1161 R13 -.9931
 SG1 3855.4 SG2 661.5 THA 140.28

ST 2397.8 SR 2365.6 SS 1600.4
 CRT -.9915 CRS .9996 CST -.9948
 LSA 3722.3 MSA 226.1 SSA .9
 EL1 3361.1 EL2 219.6 ALF 135.39

LAUNCH DATE JUN 17 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 409.209

RL 151.98 LAL -.00 LOL 265.14 VL 26.898 GAL -1.80 AZL 98.19 HCA 186.11 SMA 129.73 ECC .17428 INC 8.1865 V1 29.314
 RP 107.65 LAP .87 LOP 91.19 VP 37.984 GAP 2.17 AZP 81.86 TAL 188.61 TAP 14.71 RCA 107.12 APO 152.34 V2 35.204
 RC 103.470 GL -53.04 GP 46.40 ZAL 101.98 ZAP 110.98 ETS 25.24 ZAE 124.34 ETE 129.24 ZAC 96.29 ETC 29.79 CLP-121.28

PLANETOCENTRIC CONIC

C3 22.959 VHL 4.792 DLA -39.18 RAL 134.64 RAD 6567.9 VEL 12.014 PTH 2.14 VHP 4.440 DPA 56.36 RAP 179.55 ECC 1.3778
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.70 5 27 4 1533.00 25.43 15.98 8.94 120.87 5 52 37 933.0 29.32 8.52
 118.30 11 55 2 5606.25 25.44 261.70 8.94 120.86 13 28 29 5006.3 29.33 254.25
 61.70 5 27 4 1533.00 25.43 15.98 8.94 120.87 5 52 37 933.0 29.32 8.52
 118.30 11 55 2 5606.25 25.44 261.70 8.94 120.86 13 28 29 5006.3 29.33 254.25
 61.70 5 27 4 1533.00 25.43 15.98 8.94 120.87 5 52 37 933.0 29.32 8.52
 118.30 11 55 2 5606.25 25.44 261.70 8.94 120.86 13 28 29 5006.3 29.33 254.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8690 TRA -.9682 TC3-1.5829 BAU .5734
 RDE 1.4731 RRA .2874 RC3 .9925 FAU .08847
 FDE-4.5599 FRA-1.0306 FC3-3.3362 BSP 11461
 BDE 2.3798 BRA 1.0100 BC3 1.8683 FSP -1799

SGT 3086.5 SGR 2050.4 SG3 563.1
 RRT -.9547 RRF -.9990 RTF .9649
 SGB 3705.5 R23 .1729 R13 -.9847
 SG1 3669.8 SG2 513.3 THA 146.89

ST 2279.8 SR 1766.8 SS 2100.2
 CRT -.9925 CRS .9999 CST -.9939
 LSA 3562.1 MSA 203.2 SSA 1.5
 EL1 2879.2 EL2 171.0 ALF 142.28

LAUNCH DATE JUN 17 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 415.434

RL 151.98 LAL -.00 LOL 265.14 VL 26.877 GAL -1.66 AZL 96.50 HCA 189.34 SMA 129.59 ECC .17509 INC 6.4963 V1 29.314
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.977 GAP 2.54 AZP 83.59 TAL 187.87 TAP 17.21 RCA 106.90 APO 152.28 V2 35.212
 RC 105.723 GL -47.56 GP 33.09 ZAL 103.01 ZAP 118.23 ETS 21.65 ZAE 133.40 ETE 138.43 ZAC 102.30 ETC 27.43 CLP-124.36

PLANETOCENTRIC CONIC

C3 16.967 VHL 4.119 DLA -34.50 RAL 138.25 RAD 6567.7 VEL 11.762 PTH 2.08 VHP 3.860 DPA 44.97 RAP 168.56 ECC 1.2792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.41 6 22 18 1340.70 24.77 .06 6.06 114.82 6 44 39 740.7 27.90 352.26
 110.59 11 28 36 5655.06 24.78 265.26 6.07 114.81 13 2 51 5055.1 27.91 257.45
 69.41 6 22 18 1340.70 24.77 .06 6.06 114.82 6 44 39 740.7 27.90 352.26
 110.59 11 28 36 5655.06 24.78 265.26 6.07 114.81 13 2 51 5055.1 27.91 257.45
 69.41 6 22 18 1340.70 24.77 .06 6.06 114.82 6 44 39 740.7 27.90 352.26
 110.59 11 28 36 5655.06 24.78 265.26 6.07 114.81 13 2 51 5055.1 27.91 257.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6069 TRA -.7884 TC3-2.3074 BAU .5645
 RDE .8531 RRA .1142 RC3 .9326 FAU .11213
 FDE-4.6362 FRA -.7523 FC3-5.7215 BSP 10269
 BDE 1.8193 BRA .7966 BC3 2.4887 FSP -2061

SGT 3221.7 SGR 1426.7 SG3 698.8
 RRT -.9505 RRF -.9982 RTF .9618
 SGB 3523.5 R23 .2220 R13 -.9741
 SG1 3499.8 SG2 408.0 THA 156.84

ST 2271.2 SR 1188.2 SS 2154.9
 CRT -.9918 CRS .9999 CST -.9931
 LSA 3342.7 MSA 200.7 SSA 2.3
 EL1 2559.7 EL2 134.7 ALF 152.49

LAUNCH DATE JUN 17 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 421.635

RL 151.98 LAL -0.00 LOL 265.14 VL -26.855 GAL -1.51 AZL 95.67 HCA 192.57 SMA 129.44 ECC .17603 INC 5.6702 V1 29.314
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.969 GAP 2.91 AZP 84.46 TAL 187.10 TAP 19.67 RCA 106.66 APO 152.23 V2 35.220
 RC 107.975 GL -44.11 GP 24.97 ZAL 102.97 ZAP 123.63 ETS 19.13 ZAE 137.14 ETE 147.13 ZAC 105.82 ETC 25.52 CLP-127.66

PLANETOCENTRIC CONIC

C3 14.526 VHL 3.811 DLA -31.77 RAL 141.00 RAD 6567.6 VEL 11.658 PTH 2.05 VHP 3.717 DPA 37.70 RAP 163.74 ECC 1.2391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.95 7 8 25 1197.02 23.82 348.54 5.51 111.67 7 28 22 597.0 26.55 340.65
 105.05 11 4 23 5728.45 23.84 270.46 5.51 111.66 12 39 51 5128.4 26.56 262.57
 74.95 7 8 25 1197.02 23.82 348.54 5.51 111.67 7 28 22 597.0 26.55 340.65
 105.05 11 4 23 5728.45 23.84 270.46 5.51 111.66 12 39 51 5128.4 26.56 262.57
 110.00 9 59 24 642.46 16.17 304.01 1.52 120.54 10 10 6 42.5 20.10 297.09
 110.00 13 12 34 5331.01 31.98 242.84 8.36 102.76 14 41 25 4731.0 33.41 233.90

DIFFERENTIAL CORRECTIONS

TDE-1.5476 TRA -.7237 TC3-2.9766 BAU .5993
 RDE .5850 RRA .0649 RC3 .8150 FAU .12650
 FDE-4.5047 FRA -.6138 FC3-7.5392 BSP 11116
 BDE 1.6545 BRA .7266 BC3 3.0862 FSP -2431

MID-COURSE EXECUTION ACCURACY

SGT 3492.7 SGR 1082.8 SG3 773.1
 RRT -.9525 RRF -.9960 RTF .9658
 SGB 3656.7 R23 .2247 R13 -.9719
 SG1 3643.0 SG2 316.1 THA 163.42

ORBIT DETERMINATION ACCURACY

ST 2359.0 SR 880.3 SS 2178.2
 CRT -.9922 CRS 1.0000 CST -.9933
 LSA 3323.6 MSA 194.4 SSA 3.2
 EL1 2515.8 EL2 102.6 ALF 159.65

LAUNCH DATE JUN 17 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 427.822

RL 151.98 LAL -0.00 LOL 265.14 VL 26.831 GAL -1.35 AZL 95.18 HCA 195.81 SMA 129.28 ECC .17709 INC 5.1782 V1 29.314
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.958 GAP 3.27 AZP 85.02 TAL 186.28 TAP 22.09 RCA 106.39 APO 152.18 V2 35.227
 RC 110.226 GL -41.74 GP 19.70 ZAL 102.36 ZAP 127.98 ETS 17.26 ZAE 138.33 ETE 154.11 ZAC 107.87 ETC 23.97 CLP-130.81

PLANETOCENTRIC CONIC

C3 13.225 VHL 3.637 DLA -30.12 RAL 143.37 RAD 6567.5 VEL 11.602 PTH 2.03 VHP 3.718 DPA 32.84 RAP 161.21 ECC 1.2176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.27 7 48 57 1078.34 23.12 339.33 5.96 109.86 8 6 56 478.3 25.62 331.40
 100.73 10 42 49 5805.99 23.14 276.00 5.97 109.85 12 19 35 5206.0 25.63 268.07
 79.27 7 48 57 1078.34 23.12 339.33 5.96 109.86 8 6 56 478.3 25.62 331.40
 100.73 10 42 49 5805.99 23.14 276.00 5.97 109.85 12 19 35 5206.0 25.63 268.07
 110.00 9 40 33 714.59 13.63 308.06 1.14 121.66 9 52 27 114.6 17.72 301.33
 110.00 13 50 24 5217.74 33.37 234.30 8.83 97.89 15 17 22 4617.7 34.10 225.13

DIFFERENTIAL CORRECTIONS

TDE-1.5307 TRA -.6596 TC3-3.4966 BAU .6285
 RDE .4288 RRA .0329 RC3 .6409 FAU .12750
 FDE-4.1933 FRA -.3974 FC3-8.3467 BSP 11617
 BDE 1.5896 BRA .6604 BC3 3.5549 FSP -2467

MID-COURSE EXECUTION ACCURACY

SGT 3705.0 SGR 823.0 SG3 777.7
 RRT -.9467 RRF -.9904 RTF .9667
 SGB 3795.3 R23 .2192 R13 -.9700
 SG1 3786.4 SG2 259.4 THA 168.07

ORBIT DETERMINATION ACCURACY

ST 2439.6 SR 676.0 SS 2124.0
 CRT -.9925 CRS 1.0000 CST -.9933
 LSA 3299.0 MSA 191.0 SSA 4.3
 EL1 2530.3 EL2 79.4 ALF 164.61

LAUNCH DATE JUN 17 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 433.992

RL 151.98 LAL -0.00 LOL 265.14 VL 26.806 GAL -1.17 AZL 94.85 HCA 199.05 SMA 129.11 ECC .17827 INC 4.8498 V1 29.314
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.946 GAP 3.64 AZP 85.41 TAL 185.42 TAP 24.47 RCA 106.09 APO 152.13 V2 35.233
 RC 112.475 GL -40.00 GP 16.05 ZAL 101.38 ZAP 131.68 ETS 15.83 ZAE 138.33 ETE 159.41 ZAC 109.02 ETC 22.68 CLP-133.78

PLANETOCENTRIC CONIC

C3 12.429 VHL 3.525 DLA -29.11 RAL 145.60 RAD 6567.5 VEL 11.568 PTH 2.02 VHP 3.780 DPA 29.38 RAP 159.85 ECC 1.2045
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.95 8 26 24 973.51 22.67 331.39 6.97 108.77 8 42 37 373.5 25.02 323.45
 97.05 10 23 6 5884.16 22.68 281.62 6.97 108.75 12 1 11 5284.2 25.03 273.68
 100.00 9 48 42 706.61 18.64 310.20 5.29 113.80 10 0 29 106.6 21.69 302.74
 100.00 11 43 29 5626.29 26.84 263.88 8.31 103.68 13 17 16 5026.3 28.46 255.45
 110.00 9 35 0 749.72 12.36 310.00 1.84 122.13 9 47 30 149.7 16.52 303.35
 110.00 14 13 41 5155.94 33.85 229.54 9.65 95.11 15 39 36 4555.9 34.18 220.31

DIFFERENTIAL CORRECTIONS

TDE-1.5380 TRA -.5970 TC3-3.9284 BAU .6576
 RDE .3340 RRA .0158 RC3 .4795 FAU .12342
 FDE-3.8685 FRA -.1917 FC3-8.5971 BSP 12097
 BDE 1.5738 BRA .5972 BC3 3.9576 FSP -2399

MID-COURSE EXECUTION ACCURACY

SGT 3892.7 SGR 640.1 SG3 755.2
 RRT -.9333 RRF -.9780 RTF .9670
 SGB 3945.0 R23 .2018 R13 -.9688
 SG1 3938.4 SG2 227.1 THA 171.24

ORBIT DETERMINATION ACCURACY

ST 2523.0 SR 542.9 SS 2054.4
 CRT -.9932 CRS .9999 CST -.9933
 LSA 3293.3 MSA 187.8 SSA 5.4
 EL1 2580.0 EL2 62.0 ALF 167.93

LAUNCH DATE JUN 17 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 440.144

RL 151.98 LAL -0.00 LOL 265.14 VL 26.779 GAL -.99 AZL 94.61 HCA 202.30 SMA 128.93 ECC .17957 INC 4.6139 V1 29.314
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.933 GAP 3.99 AZP 85.73 TAL 184.51 TAP 26.81 RCA 105.78 APO 152.08 V2 35.239
 RC 114.720 GL -38.63 GP 13.41 ZAL 100.15 ZAP 134.94 ETS 14.71 ZAE 137.77 ETE 163.41 ZAC 109.55 ETC 21.60 CLP-136.56

PLANETOCENTRIC CONIC

C3 11.903 VHL 3.450 DLA -28.51 RAL 147.77 RAD 6567.5 VEL 11.545 PTH 2.02 VHP 3.874 DPA 26.76 RAP 159.19 ECC 1.1959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.57 9 4 38 868.95 22.41 323.61 8.34 108.09 9 19 7 269.0 24.68 315.66
 93.43 10 2 13 682.38 22.42 309.96 8.34 108.08 10 13 36 82.4 24.69 302.01
 100.00 9 38 28 759.13 17.16 313.40 6.15 114.86 9 51 7 159.1 20.37 306.08
 100.00 12 11 5 5555.48 27.88 258.88 9.92 101.24 13 43 40 4955.5 29.15 250.30
 110.00 9 35 48 767.46 11.72 310.97 3.08 122.34 9 48 36 167.5 15.91 304.36
 110.00 14 30 13 5119.91 34.03 226.74 10.85 93.46 15 55 33 4519.9 34.13 217.49

DIFFERENTIAL CORRECTIONS

TDE-1.5626 TRA -.5347 TC3-4.3075 BAU .6876
 RDE .2741 RRA .0077 RC3 .3433 FAU .11761
 FDE-3.5764 FRA -.0131 FC3-8.5544 BSP 12642
 BDE 1.5865 BRA .5348 BC3 4.3212 FSP -2309

MID-COURSE EXECUTION ACCURACY

SGT 4073.1 SGR 513.3 SG3 723.5
 RRT -.9087 RRF -.9543 RTF .9670
 SGB 4105.3 R23 .1752 R13 -.9681
 SG1 4099.7 SG2 212.9 THA 173.45

ORBIT DETERMINATION ACCURACY

ST 2614.2 SR 455.2 SS 1989.1
 CRT -.9941 CRS .9999 CST -.9934
 LSA 3311.2 MSA 184.4 SSA 6.5
 EL1 2653.1 EL2 48.5 ALF 170.18

LAUNCH DATE JUN 17 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 446.278

RL 151.98 LAL -.00 LOL 265.14 VL 26.751 GAL -.79 AZL 94.44 HCA 205.54 SMA 128.74 ECC .18099 INC 4.4353 V1 29.314
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.918 GAP 4.35 AZP 86.00 TAL 183.57 TAP 29.11 RCA 105.44 APO 152.05 V2 35.244
 RC 116.961 GL -37.51 GP 11.42 ZAL 98.72 ZAP 137.86 ETS 13.80 ZAE 136.97 ETE 166.43 ZAC 109.64 ETC 20.67 CLP-139.16

PLANETOCENTRIC CONIC

C3 11.543 VHL 3.397 DLA -28.18 RAL 149.96 RAD 6567.4 VEL 11.530 PTH 2.01 VHP 3.988 DPA 24.68 RAP 159.03 ECC 1.1900
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 53 847.97 20.68 321.44 9.40 109.78 9 32 1 248.0 23.19 313.67
 90.00 10 6 24 690.52 23.95 311.06 10.52 105.58 10 17 55 90.5 25.86 302.91
 100.00 9 38 45 780.43 16.55 314.68 7.59 115.25 9 51 45 180.4 19.81 307.41
 100.00 12 28 13 5521.33 28.31 256.43 11.63 100.02 14 0 15 4921.3 29.40 247.79
 110.00 9 40 28 775.01 11.44 311.38 4.70 122.43 9 53 23 175.0 15.64 304.79
 110.00 14 42 59 5099.52 34.10 225.15 12.37 92.53 16 7 59 4499.5 34.07 215.91

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.5951 TRA -.4673 TC3-4.6335 BAU .7159
 RDE .2344 RRA .0045 RC3 .2284 FAU .11081
 FDE-3.3098 FRA .1475 FC3-8.3109 BSP 13119
 BDE 1.6123 BRA .4673 BC3 4.6391 FSP -2188

SGT 4236.6 SGR 424.8 SG3 686.5
 RRT -.8667 RRF -.9128 RTF .9668
 SGB 4257.8 R23 .1458 R13 -.9674
 SG1 4252.6 SG2 211.1 THA 175.02

ST 2705.0 SR 395.3 SS 1924.4
 CRT -.9954 CRS .9996 CST -.9934
 LSA 3338.2 MSA 180.8 SSA 7.6
 EL1 2733.5 EL2 37.4 ALF 171.72

LAUNCH DATE JUN 17 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 452.393

RL 151.98 LAL -.00 LOL 265.14 VL 26.722 GAL -.58 AZL 94.29 HCA 208.79 SMA 128.55 ECC .18254 INC 4.2945 V1 29.314
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.901 GAP 4.70 AZP 86.23 TAL 182.58 TAP 31.37 RCA 105.08 APO 152.02 V2 35.248
 RC 119.197 GL -36.54 GP 9.89 ZAL 97.12 ZAP 140.52 ETS 13.06 ZAE 136.09 ETE 168.75 ZAC 109.39 ETC 19.86 CLP-141.58

PLANETOCENTRIC CONIC

C3 11.298 VHL 3.361 DLA -28.05 RAL 152.18 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 4.114 DPA 22.96 RAP 159.23 ECC 1.1859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 17 9 874.80 20.05 323.16 11.05 110.42 9 31 44 274.8 22.65 315.45
 90.00 10 24 55 654.77 24.58 308.63 12.59 104.52 10 35 49 54.8 26.34 300.40
 100.00 9 44 32 786.22 16.38 315.03 9.41 115.36 9 57 38 186.2 19.66 307.77
 100.00 12 40 13 5506.62 28.48 255.37 13.51 99.49 14 11 59 4906.6 29.50 246.71
 110.00 9 47 48 775.98 11.41 311.43 6.59 122.44 10 0 43 176.0 15.61 304.84
 110.00 14 53 26 5089.63 34.13 224.38 14.18 92.07 16 18 16 4489.6 34.04 215.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6380 TRA -.3971 TC3-4.9249 BAU .7441
 RDE .2085 RRA .0049 RC3 .1339 FAU .10409
 FDE-3.0844 FRA .2823 FC3-7.9765 BSP 13615
 BDE 1.6512 BRA .3971 BC3 4.9267 FSP -2072

SGT 4398.3 SGR 366.8 SG3 650.6
 RRT -.8044 RRF -.8496 RTF .9667
 SGB 4413.5 R23 .1179 R13 -.9671
 SG1 4408.2 SG2 217.4 THA 176.15

ST 2803.3 SR 355.5 SS 1870.9
 CRT -.9969 CRS .9990 CST -.9936
 LSA 3384.4 MSA 176.9 SSA 8.7
 EL1 2825.6 EL2 27.9 ALF 172.79

LAUNCH DATE JUN 17 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 458.489

RL 151.98 LAL -.00 LOL 265.14 VL 26.692 GAL -.35 AZL 94.18 HCA 212.03 SMA 128.35 ECC .18422 INC 4.1800 V1 29.314
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.883 GAP 5.05 AZP 86.45 TAL 181.57 TAP 33.60 RCA 104.70 APO 151.99 V2 35.252
 RC 121.426 GL -35.66 GP 8.67 ZAL 95.37 ZAP 142.96 ETS 12.44 ZAE 135.19 ETE 170.57 ZAC 108.86 ETC 19.13 CLP-143.84

PLANETOCENTRIC CONIC

C3 11.139 VHL 3.338 DLA -28.07 RAL 154.47 RAD 6567.4 VEL 11.512 PTH 2.01 VHP 4.250 DPA 21.47 RAP 159.72 ECC 1.1833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 27 10 868.99 20.19 322.79 13.16 110.29 9 41 39 269.0 22.77 315.07
 90.00 10 33 10 654.74 24.58 308.63 14.65 104.52 10 44 5 54.7 26.34 300.40
 100.00 9 54 0 782.23 16.50 314.79 11.53 115.29 10 7 2 182.2 19.77 307.52
 100.00 12 49 2 5504.77 28.50 255.23 15.58 99.42 14 20 46 4904.8 29.51 246.57
 110.00 9 57 6 772.49 11.54 311.24 8.72 122.40 10 9 58 172.5 15.73 304.65
 110.00 15 2 25 5087.28 34.13 224.20 16.24 91.96 16 27 12 4487.3 34.03 214.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6874 TRA -.3233 TC3-5.1821 BAU .7718
 RDE .1917 RRA .0076 RC3 .0562 FAU .09766
 FDE-2.8889 FRA .3937 FC3-7.5899 BSP 14200
 BDE 1.6983 BRA .3233 BC3 5.1824 FSP -1985

SGT 4555.5 SGR 331.5 SG3 616.1
 RRT -.7233 RRF -.7660 RTF .9669
 SGB 4567.5 R23 .0939 R13 -.9672
 SG1 4561.8 SG2 228.6 THA 176.98

ST 2904.8 SR 329.1 SS 1824.0
 CRT -.9982 CRS .9978 CST -.9938
 LSA 3441.5 MSA 172.1 SSA 9.8
 EL1 2923.3 EL2 19.9 ALF 173.55

LAUNCH DATE JUN 17 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 464.566

RL 151.98 LAL -.00 LOL 265.14 VL 26.661 GAL -.12 AZL 94.08 HCA 215.28 SMA 128.14 ECC .18603 INC 4.0846 V1 29.314
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.864 GAP 5.40 AZP 86.66 TAL 180.52 TAP 35.80 RCA 104.30 APO 151.98 V2 35.255
 RC 123.648 GL -34.84 GP 7.69 ZAL 93.50 ZAP 145.21 ETS 11.92 ZAE 134.33 ETE 172.00 ZAC 108.11 ETC 18.48 CLP-145.97

PLANETOCENTRIC CONIC

C3 11.052 VHL 3.324 DLA -28.18 RAL 156.84 RAD 6567.4 VEL 11.508 PTH 2.00 VHP 4.393 DPA 20.15 RAP 160.44 ECC 1.1819
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 9 45 36 838.16 20.91 320.81 15.68 109.55 9 59 34 238.2 23.38 313.01
 90.00 10 33 38 682.33 24.10 310.50 16.76 105.34 10 45 0 82.3 25.97 302.34
 100.00 10 6 17 771.21 16.81 314.13 13.90 115.08 10 19 8 171.2 20.06 306.83
 100.00 12 55 37 5512.56 28.41 255.80 17.83 99.70 14 27 30 4912.6 29.46 247.15
 110.00 10 7 58 765.89 11.78 310.88 11.06 122.32 10 20 44 165.9 15.96 304.27
 110.00 15 10 25 5090.63 34.13 224.46 18.52 92.12 16 35 16 4490.6 34.04 215.21

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7401 TRA -.2405 TC3-5.4033 BAU .7983
 RDE .1810 RRA .0113 RC3 -.0075 FAU .09156
 FDE-2.7153 FRA .4977 FC3-7.1725 BSP 14695
 BDE 1.7495 BRA .2408 BC3 5.4033 FSP -1885

SGT 4703.4 SGR 312.8 SG3 583.4
 RRT -.6309 RRF -.6698 RTF .9670
 SGB 4713.7 R23 .0749 R13 -.9672
 SG1 4707.5 SG2 242.4 THA 177.59

ST 3004.2 SR 312.0 SS 1780.7
 CRT -.9990 CRS .9960 CST -.9940
 LSA 3502.2 MSA 167.4 SSA 10.9
 EL1 3020.4 EL2 13.8 ALF 174.08

LAUNCH DATE JUN 17 1967

FLIGHT TIME 166.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 470.623

RL 151.98 LAL -0.00 LOL 265.14 VL 26.629 GAL .13 AZL 94.00 HCA 218.52 SMA 127.93 ECC .18798 INC 4.0032 V1 29.314
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.844 GAP 5.75 AZP 86.87 TAL 179.44 TAP 37.97 RCA 103.88 APO 151.98 V2 35.257
 RC 125.861 GL -34.04 GP 6.88 ZAL 91.51 ZAP 147.31 ETS 11.48 ZAE 133.52 ETE 173.16 ZAC 107.17 ETC 17.88 CLP-147.97

PLANETOCENTRIC CONIC

C3 11.028 VHL 3.321 DLA -28.38 RAL 159.29 RAD 6567.4 VEL 11.507 PTH 2.00 VHP 4.543 DPA 18.94 RAP 161.34 ECC 1.1815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 88.09 10 3 14 812.11 22.64 319.53 18.71 107.57 10 16 46 212.1 24.84 311.54
 91.91 10 35 31 707.49 22.65 311.88 18.71 107.56 10 47 18 107.5 24.84 303.89
 100.00 10 20 55 754.74 17.29 313.13 16.50 114.77 10 33 29 154.7 20.48 305.80
 100.00 13 0 31 5528.13 28.23 256.92 20.24 100.26 14 32 39 4928.1 29.36 248.29
 110.00 10 20 7 757.25 12.09 310.41 13.59 122.22 10 32 44 157.3 16.26 303.78
 110.00 15 17 48 5098.39 34.10 225.06 21.01 92.47 16 42 47 4498.4 34.07 215.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7926 TRA -.1431 TC3-5.5594 BAU .8197
 RDE .1743 RRA .0152 RC3 -.0628 FAU .08469
 FDE-2.5462 FRA .6096 FC3-6.6487 BSP 15065
 BDE 1.8011 BRA .1439 BC3 5.5598 FSP -1764

SGT 4824.8 SGR 305.1 SG3 548.0
 RRT -.5330 RRF -.5692 RTF .9659
 SGB 4834.4 R23 .0625 R13 -.9660
 SG1 4827.5 SG2 258.0 THA 178.06

ST 3096.0 SR 300.9 SS 1730.7
 CRT -.9992 CRS .9932 CST -.9941
 LSA 3555.9 MSA 164.4 SSA 12.0
 EL1 3110.6 EL2 12.0 ALF 174.45

LAUNCH DATE JUN 17 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 476.662

RL 151.98 LAL -0.00 LOL 265.14 VL 26.596 GAL .39 AZL 93.93 HCA 221.77 SMA 127.72 ECC .19008 INC 3.9328 V1 29.314
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.822 GAP 6.10 AZP 87.06 TAL 178.33 TAP 40.11 RCA 103.44 APO 152.00 V2 35.258
 RC 128.066 GL -33.26 GP 6.21 ZAL 89.42 ZAP 149.27 ETS 11.11 ZAE 132.77 ETE 174.10 ZAC 106.07 ETC 17.33 CLP-149.85

PLANETOCENTRIC CONIC

C3 11.063 VHL 3.326 DLA -28.62 RAL 161.82 RAD 6567.4 VEL 11.509 PTH 2.00 VHP 4.698 DPA 17.81 RAP 162.40 ECC 1.1821
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.66 9 53 9 878.14 22.82 324.43 21.36 107.76 10 7 47 278.1 25.03 316.44
 94.34 11 5 49 642.78 22.83 307.20 21.36 107.75 11 16 32 42.8 25.04 299.20
 100.00 10 37 42 733.49 17.89 311.84 19.33 114.36 10 49 55 133.5 21.03 304.45
 100.00 13 3 57 5550.70 27.94 258.53 22.81 101.07 14 36 28 4950.7 29.19 249.95
 110.00 10 33 19 747.29 12.45 309.86 16.31 122.09 10 45 46 147.3 16.60 303.21
 110.00 15 24 50 5109.67 34.07 225.94 23.69 92.99 16 49 59 4509.7 34.11 216.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8405 TRA -.0361 TC3-5.6756 BAU .8396
 RDE .1710 RRA .0198 RC3 -.1064 FAU .07848
 FDE-2.3833 FRA .7099 FC3-6.1410 BSP 15346
 BDE 1.8484 BRA .0412 BC3 5.6766 FSP -1647

SGT 4930.7 SGR 305.5 SG3 514.7
 RRT -.4446 RRF -.4760 RTF .9649
 SGB 4940.1 R23 .0510 R13 -.9650
 SG1 4932.6 SG2 273.5 THA 178.42

ST 3172.5 SR 294.9 SS 1675.6
 CRT -.9985 CRS .9894 CST -.9941
 LSA 3596.3 MSA 161.0 SSA 13.0
 EL1 3186.1 EL2 15.9 ALF 174.70

LAUNCH DATE JUN 17 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 482.679

RL 151.98 LAL -0.00 LOL 265.14 VL 26.563 GAL .67 AZL 93.87 HCA 225.02 SMA 127.50 ECC .19233 INC 3.8707 V1 29.314
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.799 GAP 6.45 AZP 87.26 TAL 177.20 TAP 42.22 RCA 102.98 APO 152.02 V2 35.259
 RC 130.261 GL -32.46 GP 5.65 ZAL 87.23 ZAP 151.11 ETS 10.79 ZAE 132.08 ETE 174.87 ZAC 104.82 ETC 16.83 CLP-151.62

PLANETOCENTRIC CONIC

C3 11.158 VHL 3.340 DLA -28.90 RAL 164.44 RAD 6567.4 VEL 11.513 PTH 2.01 VHP 4.858 DPA 16.73 RAP 163.60 ECC 1.1836
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.99 9 49 54 924.02 22.99 327.86 24.17 108.00 10 5 18 324.0 25.24 319.87
 96.01 11 29 55 600.40 23.01 304.15 24.17 107.98 11 39 55 .4 25.25 296.15
 100.00 10 56 31 707.87 18.60 310.27 22.37 113.83 11 8 19 107.9 21.66 302.82
 100.00 13 6 0 5579.82 27.55 260.61 25.52 102.09 14 38 59 4979.8 28.94 252.08
 110.00 10 47 19 736.79 12.83 309.29 19.20 121.96 10 59 36 136.8 16.96 302.61
 110.00 15 31 41 5123.66 34.01 227.03 26.56 93.64 16 57 4 4523.7 34.14 217.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8998 TRA .0727 TC3-5.7687 BAU .8607
 RDE .1713 RRA .0252 RC3 -.1399 FAU .07297
 FDE-2.2559 FRA .7869 FC3-5.6620 BSP 15766
 BDE 1.9075 BRA .0769 BC3 5.7704 FSP -1563

SGT 5048.9 SGR 312.3 SG3 486.1
 RRT -.3744 RRF -.4025 RTF .9648
 SGB 5058.6 R23 .0433 R13 -.9648
 SG1 5050.3 SG2 289.5 THA 178.67

ST 3261.1 SR 294.2 SS 1636.3
 CRT -.9970 CRS .9850 CST -.9944
 LSA 3657.0 MSA 156.7 SSA 14.1
 EL1 3274.3 EL2 22.8 ALF 174.86

LAUNCH DATE JUN 17 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 488.675

RL 151.98 LAL -0.00 LOL 265.14 VL 26.529 GAL .96 AZL 93.82 HCA 228.27 SMA 127.28 ECC .19474 INC 3.8152 V1 29.314
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.775 GAP 6.81 AZP 87.46 TAL 176.04 TAP 44.31 RCA 102.49 APO 152.07 V2 35.259
 RC 132.447 GL -31.65 GP 5.17 ZAL 84.97 ZAP 152.85 ETS 10.53 ZAE 131.45 ETE 175.51 ZAC 103.46 ETC 16.36 CLP-153.31

PLANETOCENTRIC CONIC

C3 11.311 VHL 3.363 DLA -29.19 RAL 167.13 RAD 6567.4 VEL 11.520 PTH 2.01 VHP 5.023 DPA 15.70 RAP 164.91 ECC 1.1862
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.61 9 49 33 962.56 23.16 330.76 27.14 108.28 10 5 36 362.6 25.44 322.76
 97.39 11 51 45 5855.55 23.17 279.69 27.14 108.27 13 29 21 5255.6 25.45 271.69
 100.00 11 17 33 677.28 19.43 308.38 25.63 113.17 11 28 50 77.3 22.40 300.84
 100.00 13 6 26 5616.07 27.00 263.16 28.34 103.33 14 40 2 5016.1 28.57 254.71
 110.00 11 1 58 726.35 13.21 308.71 22.25 121.82 11 14 4 126.3 17.32 302.01
 110.00 15 38 31 5139.76 33.94 228.28 29.59 94.37 17 4 11 4539.8 34.17 219.04

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9589 TRA .1905 TC3-5.8284 BAU .8817
 RDE .1738 RRA .0306 RC3 -.1649 FAU .06800
 FDE-2.1353 FRA .8584 FC3-5.2043 BSP 16154
 BDE 1.9666 BRA .1930 BC3 5.8307 FSP -1482

SGT 5161.9 SGR 321.8 SG3 459.6
 RRT -.3197 RRF -.3440 RTF .9647
 SGB 5171.9 R23 .0364 R13 -.9647
 SG1 5162.9 SG2 304.8 THA 178.85

ST 3341.2 SR 296.7 SS 1594.2
 CRT -.9945 CRS .9797 CST -.9946
 LSA 3710.7 MSA 153.0 SSA 15.0
 EL1 3354.2 EL2 30.9 ALF 174.95

LAUNCH DATE JUN 17 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 494.649

RL 151.98 LAL -.00 LOL 265.14 VL 26.494 GAL 1.26 AZL 93.77 HCA 231.52 SMA 127.06 ECC .19733⁵ INC 3.7652 V1 29.314
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.750 GAP 7.17 AZP 87.65 TAL 174.86 TAP 46.38 RCA 101.99 APO 152.13 V2 35.258
 RC 134.624 GL -30.82 GP 4.76 ZAL 82.64 ZAP 154.49 ETS 10.32 ZAE 130.88 ETE 176.05 ZAC 101.99 ETC 15.93 CLP-154.91

PLANETOCENTRIC CONIC

C3 11.528 VHL 3.395 DLA -29.48 RAL 169.89 RAD 6567.4 VEL 11.529 PTH 2.01 VHP 5.193 DPA 14.69 RAP 166.32 ECC 1.1897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.43 9 51 15 996.41 23.30 333.31 30.26 108.60 10 7 52 396.4 25.62 325.32
 98.57 12 12 6 5829.56 23.31 277.82 30.27 108.58 13 49 15 5229.6 25.63 269.82
 100.00 11 41 30 639.49 20.43 306.01 29.11 112.31 11 52 10 39.5 23.27 298.38
 100.00 13 4 32 5661.72 26.25 266.35 31.24 104.84 14 38 54 5061.7 28.03 258.00
 110.00 11 17 3 716.54 13.56 308.17 25.45 121.68 11 28 59 116.5 17.65 301.45
 110.00 15 45 29 5157.43 33.84 229.65 32.78 95.18 17 11 26 4557.4 34.18 220.42

DIFFERENTIAL CORRECTIONS

TDE-2.0188 TRA .3182 TC3-5.8459 BAU .9014
 RDE .1784 RRA .0358 RC3 -.1829 FAU .06329
 FDE-2.0247 FRA .9244 FC3-4.7533 BSP 16504
 BDE 2.0267 BRA .3202 BC3 5.8488 FSP -1403

MID-COURSE EXECUTION ACCURACY

SGT 5267.3 SGR 332.9 SG3 434.6
 RRT -.2792 RRF -.3004 RTF .9646
 SGB 5277.9 R23 .0314 R13 -.9646
 SG1 5268.2 SG2 319.6 THA 178.99

ORBIT DETERMINATION ACCURACY

ST 3413.9 SR 301.7 SS 1552.4
 CRT -.9913 CRS .9740 CST -.9948
 LSA 3759.4 MSA 149.8 SSA 15.9
 EL1 3427.0 EL2 39.6 ALF 174.99

LAUNCH DATE JUN 17 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 500.600

RL 151.98 LAL -.00 LOL 265.14 VL 26.460 GAL 1.58 AZL 93.72 HCA 234.76 SMA 126.83 ECC .20009 INC 3.7194 V1 29.314
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.724 GAP 7.53 AZP 87.85 TAL 173.66 TAP 48.43 RCA 101.46 APO 152.21 V2 35.256
 RC 136.791 GL -29.95 GP 4.40 ZAL 80.26 ZAP 156.04 ETS 10.15 ZAE 130.36 ETE 176.50 ZAC 100.43 ETC 15.53 CLP-156.43

PLANETOCENTRIC CONIC

C3 11.810 VHL 3.437 DLA -29.77 RAL 172.72 RAD 6567.5 VEL 11.541 PTH 2.01 VHP 5.368 DPA 13.69 RAP 167.81 ECC 1.1944
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.41 9 54 41 1026.61 23.41 335.59 33.52 108.94 10 11 47 426.6 25.77 327.60
 99.59 12 31 13 5809.49 23.42 276.37 33.53 108.93 14 8 3 5209.5 25.78 268.38
 100.00 12 11 29 5872.60 21.81 280.42 32.89 110.97 13 49 21 5272.6 24.46 272.63
 100.00 12 57 7 5726.78 25.04 270.80 34.10 106.89 14 32 34 5126.8 27.11 262.61
 110.00 11 32 23 707.95 13.86 307.69 28.78 121.56 11 44 11 107.9 17.94 300.95
 110.00 15 52 42 5176.15 33.71 231.10 36.12 96.03 17 18 58 4576.1 34.18 221.89

DIFFERENTIAL CORRECTIONS

TDE-2.0784 TRA .4559 TC3-5.8193 BAU .9193
 RDE .1847 RRA .0408 RC3 -.1946 FAU .05878
 FDE-1.9218 FRA .9862 FC3-4.3085 BSP 16830
 BDE 2.0866 BRA .4577 BC3 5.8225 FSP -1329

MID-COURSE EXECUTION ACCURACY

SGT 5364.0 SGR 344.8 SG3 410.9
 RRT -.2507 RRF -.2697 RTF .9644
 SGB 5375.0 R23 .0279 R13 -.9645
 SG1 5364.6 SG2 333.8 THA 179.07

ORBIT DETERMINATION ACCURACY

ST 3477.2 SR 308.9 SS 1509.8
 CRT -.9874 CRS .9677 CST -.9950
 LSA 3800.5 MSA 147.4 SSA 16.7
 EL1 3490.6 EL2 48.7 ALF 174.99

LAUNCH DATE JUN 17 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 506.527

RL 151.98 LAL -.00 LOL 265.14 VL 26.424 GAL 1.91 AZL 93.68 HCA 238.01 SMA 126.61 ECC .20305 INC 3.6772 V1 29.314
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.697 GAP 7.89 AZP 88.05 TAL 172.45 TAP 50.46 RCA 100.90 APO 152.32 V2 35.254
 RC 138.949 GL -29.05 GP 4.09 ZAL 77.83 ZAP 157.53 ETS 10.03 ZAE 129.88 ETE 176.88 ZAC 98.79 ETC 15.16 CLP-157.88

PLANETOCENTRIC CONIC

C3 12.165 VHL 3.488 DLA -30.03 RAL 175.60 RAD 6567.5 VEL 11.556 PTH 2.02 VHP 5.549 DPA 12.71 RAP 169.38 ECC 1.2002
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.55 9 59 34 1053.88 23.47 337.64 36.91 109.30 10 17 8 453.9 25.88 329.67
 100.45 12 49 18 5794.68 23.48 275.29 36.92 109.29 14 25 52 5194.7 25.89 267.31
 79.55 9 59 34 1053.88 23.47 337.64 36.91 109.30 10 17 8 453.9 25.88 329.67
 100.45 12 49 18 5794.68 23.48 275.29 36.92 109.29 14 25 52 5194.7 25.89 267.31
 110.00 11 47 46 701.13 14.11 307.31 32.23 121.46 11 59 27 101.1 18.17 300.55
 110.00 16 0 16 5195.42 33.56 232.59 39.58 96.89 17 26 52 4595.4 34.15 223.39

DIFFERENTIAL CORRECTIONS

TDE-2.1381 TRA .6030 TC3-5.7570 BAU .9368
 RDE .1928 RRA .0454 RC3 -.2005 FAU .05463
 FDE-1.8263 FRA 1.0427 FC3-3.8882 BSP 17169
 BDE 2.1468 BRA .6047 BC3 5.7604 FSP -1265

MID-COURSE EXECUTION ACCURACY

SGT 5456.5 SGR 356.7 SG3 389.0
 RRT -.2323 RRF -.2493 RTF .9644
 SGB 5468.1 R23 .0250 R13 -.9645
 SG1 5457.1 SG2 346.9 THA 179.13

ORBIT DETERMINATION ACCURACY

ST 3531.2 SR 317.8 SS 1466.9
 CRT -.9829 CRS .9612 CST -.9952
 LSA 3834.1 MSA 145.8 SSA 17.3
 EL1 3545.0 EL2 58.2 ALF 174.94

LAUNCH DATE JUN 17 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 512.429

RL 151.98 LAL -.00 LOL 265.14 VL 26.389 GAL 2.27 AZL 93.64 HCA 241.26 SMA 126.38 ECC .20622 INC 3.6379 V1 29.314
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.669 GAP 8.27 AZP 88.25 TAL 171.21 TAP 52.47 RCA 100.32 APO 152.44 V2 35.251
 RC 141.095 GL -28.12 GP 3.82 ZAL 75.38 ZAP 158.94 ETS 9.96 ZAE 129.45 ETE 177.20 ZAC 97.07 ETC 14.82 CLP-159.28

PLANETOCENTRIC CONIC

C3 12.597 VHL 3.549 DLA -30.27 RAL 178.51 RAD 6567.5 VEL 11.575 PTH 2.02 VHP 5.736 DPA 11.73 RAP 171.01 ECC 1.2073
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.83 10 5 48 1078.50 23.47 339.48 40.42 109.68 10 23 46 478.5 25.94 331.52
 101.17 13 6 20 5784.91 23.49 274.57 40.42 109.67 14 42 45 5184.9 25.95 266.60
 78.83 10 5 48 1078.50 23.47 339.48 40.42 109.68 10 23 46 478.5 25.94 331.52
 101.17 13 6 20 5784.91 23.49 274.57 40.42 109.67 14 42 45 5184.9 25.95 266.60
 110.00 12 2 59 696.61 14.27 307.06 35.78 121.40 12 14 36 96.6 18.32 300.29
 110.00 16 8 19 5214.80 33.40 234.07 43.17 97.76 17 35 14 4614.8 34.11 224.90

DIFFERENTIAL CORRECTIONS

TDE-2.1933 TRA .7639 TC3-5.6451 BAU .9513
 RDE .2023 RRA .0494 RC3 -.2017 FAU .05054
 FDE-1.7327 FRA 1.0987 FC3-3.4732 BSP 17399
 BDE 2.2026 BRA .7655 BC3 5.6487 FSP -1196

MID-COURSE EXECUTION ACCURACY

SGT 5534.6 SGR 368.3 SG3 367.8
 RRT -.2210 RRF -.2364 RTF .9642
 SGB 5546.9 R23 .0230 R13 -.9642
 SG1 5535.2 SG2 359.2 THA 179.15

ORBIT DETERMINATION ACCURACY

ST 3568.5 SR 327.7 SS 1420.0
 CRT -.9780 CRS .9542 CST -.9953
 LSA 3851.8 MSA 145.4 SSA 17.8
 EL1 3582.8 EL2 68.1 ALF 174.87

LAUNCH DATE JUN 17 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 518.303

RL 151.98 LAL -.00 LOL 265.14 VL 26.353 GAL 2.64 AZL 93.60 HCA 244.50 SMA 126.15 ECC .20961 INC 3.6009 V1 29.314
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.641 GAP 8.65 AZP 88.45 TAL 169.96 TAP 54.46 RCA 99.71 APO 152.60 V2 35.247
 RC 143.232 GL -27.16 GP 3.59 ZAL 72.90 ZAP 160.30 ETS 9.93 ZAE 129.06 ETE 177.47 ZAC 95.29 ETC 14.50 CLP-160.62

PLANETOCENTRIC CONIC

C3 13.116 VHL 3.622 DLA -30.47 RAL 181.45 RAD 6567.5 VEL 11.598 PTH 2.03 VHP 5.930 DPA 10.76 RAP 172.69 ECC 1.2159
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.25 10 13 15 1100.78 23.42 341.13 44.02 110.07 10 31 35 500.8 25.94 333.19
 101.75 13 22 21 5779.96 23.43 274.18 44.03 110.06 14 58 41 5180.0 25.95 266.23
 78.25 10 13 15 1100.78 23.42 341.13 44.02 110.07 10 31 35 500.8 25.94 333.19
 101.75 13 22 21 5779.96 23.43 274.18 44.03 110.06 14 58 41 5180.0 25.95 266.23
 110.00 12 17 51 694.91 14.33 306.96 39.40 121.37 12 29 26 94.9 18.38 300.19
 110.00 16 16 55 5233.83 33.21 235.53 46.86 98.60 17 44 9 4633.8 34.04 226.39

DIFFERENTIAL CORRECTIONS

TDE-2.2506 TRA .9320 TC3-5.5092 BAU .9666
 RDE .2133 RRA .0529 RC3 -.1985 FAU .04686
 FDE-1.6486 FRA 1.1478 FC3-3.0931 BSP 17688
 BDE 2.2607 BRA .9335 BC3 5.5128 FSP -1137

MID-COURSE EXECUTION ACCURACY

SGT 5614.9 SGR 379.5 SG3 348.4
 RRT -.2169 RRF -.2313 RTF .9642
 SGB 5627.8 R23 .0217 R13 -.9642
 SG1 5615.6 SG2 370.4 THA 179.16

ORBIT DETERMINATION ACCURACY

ST 3599.4 SR 338.8 SS 1375.4
 CRT -.9728 CRS .9473 CST -.9955
 LSA 3865.3 MSA 145.7 SSA 18.2
 EL1 3614.5 EL2 78.1 ALF 174.77

LAUNCH DATE JUN 17 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 524.148

RL 151.98 LAL -.00 LOL 265.14 VL 26.317 GAL 3.03 AZL 93.57 HCA 247.75 SMA 125.93 ECC .21324 INC 3.5659 V1 29.314
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.611 GAP 9.03 AZP 88.65 TAL 168.69 TAP 56.44 RCA 99.07 APO 152.78 V2 35.243
 RC 145.356 GL -26.18 GP 3.38 ZAL 70.43 ZAP 161.60 ETS 9.95 ZAE 128.70 ETE 177.71 ZAC 93.45 ETC 14.21 CLP-161.90

PLANETOCENTRIC CONIC

C3 13.729 VHL 3.705 DLA -30.63 RAL 184.40 RAD 6567.5 VEL 11.624 PTH 2.04 VHP 6.130 DPA 9.78 RAP 174.42 ECC 1.2259
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.81 10 21 46 1120.99 23.30 342.59 47.71 110.46 10 40 27 521.0 25.88 334.68
 102.19 13 37 21 5779.63 23.32 274.10 47.71 110.45 15 13 41 5179.6 25.89 266.19
 77.81 10 21 46 1120.99 23.30 342.59 47.71 110.46 10 40 27 521.0 25.88 334.68
 102.19 13 37 21 5779.63 23.32 274.10 47.71 110.45 15 13 41 5179.6 25.89 266.19
 110.00 12 32 9 696.48 14.27 307.05 43.08 121.40 12 43 45 96.5 18.32 300.28
 110.00 16 26 9 5252.14 33.02 236.92 50.64 99.40 17 53 41 4652.1 33.96 227.81

DIFFERENTIAL CORRECTIONS

TDE-2.3060 TRA 1.1113 TC3-5.3412 BAU .9810
 RDE .2258 RRA .0556 RC3 -.1916 FAU .04343
 FDE-1.5690 FRA 1.1942 FC3-2.7383 BSP 17978
 BDE 2.3170 BRA 1.1127 BC3 5.3447 FSP -1085

MID-COURSE EXECUTION ACCURACY

SGT 5689.5 SGR 389.9 SG3 330.2
 RRT -.2180 RRF -.2313 RTF .9642
 SGB 5702.8 R23 .0206 R13 -.9643
 SG1 5690.1 SG2 380.5 THA 179.14

ORBIT DETERMINATION ACCURACY

ST 3617.8 SR 350.5 SS 1329.8
 CRT -.9674 CRS .9404 CST -.9957
 LSA 3867.5 MSA 147.2 SSA 18.3
 EL1 3633.6 EL2 88.4 ALF 174.64

LAUNCH DATE JUN 17 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 529.963

RL 151.98 LAL -.00 LOL 265.14 VL 26.281 GAL 3.43 AZL 93.53 HCA 250.99 SMA 125.70 ECC .21712 INC 3.5325 V1 29.314
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.581 GAP 9.43 AZP 88.85 TAL 167.42 TAP 58.41 RCA 98.41 APO 152.99 V2 35.237
 RC 147.469 GL -25.17 GP 3.19 ZAL 67.96 ZAP 162.86 ETS 10.02 ZAE 128.38 ETE 177.91 ZAC 91.56 ETC 13.95 CLP-163.15

PLANETOCENTRIC CONIC

C3 14.448 VHL 3.801 DLA -30.74 RAL 187.35 RAD 6567.6 VEL 11.655 PTH 2.05 VHP 6.338 DPA 8.80 RAP 176.20 ECC 1.2378
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.50 10 31 19 1139.20 23.12 343.88 51.47 110.85 10 50 18 539.2 25.74 336.00
 102.50 13 51 18 5783.90 23.13 274.35 51.47 110.84 15 27 42 5183.9 25.75 266.46
 77.50 10 31 19 1139.20 23.12 343.88 51.47 110.85 10 50 18 539.2 25.74 336.00
 102.50 13 51 18 5783.90 23.13 274.35 51.47 110.84 15 27 42 5183.9 25.75 266.46
 110.00 12 45 43 701.68 14.09 307.34 46.79 121.47 12 57 25 101.7 18.15 300.58
 110.00 16 36 4 5269.42 32.82 238.23 54.51 100.15 18 3 53 4669.4 33.87 229.15

DIFFERENTIAL CORRECTIONS

TDE-2.3582 TRA 1.3030 TC3-5.1403 BAU .9935
 RDE .2395 RRA .0574 RC3 -.1819 FAU .04013
 FDE-1.4926 FRA 1.2392 FC3-2.4046 BSP 18215
 BDE 2.3704 BRA 1.3043 BC3 5.1436 FSP -1032

MID-COURSE EXECUTION ACCURACY

SGT 5755.8 SGR 399.6 SG3 313.0
 RRT -.2230 RRF -.2353 RTF .9642
 SGB 5769.6 R23 .0198 R13 -.9642
 SG1 5756.4 SG2 389.4 THA 179.11

ORBIT DETERMINATION ACCURACY

ST 3622.1 SR 362.4 SS 1283.0
 CRT -.9618 CRS .9333 CST -.9958
 LSA 3856.7 MSA 149.9 SSA 18.3
 EL1 3638.8 EL2 98.8 ALF 174.50

LAUNCH DATE JUN 17 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 535.744

RL 151.98 LAL -.00 LOL 265.14 VL 26.244 GAL 3.86 AZL 93.50 HCA 254.24 SMA 125.47 ECC .22129 INC 3.5004 V1 29.314
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.550 GAP 9.84 AZP 89.05 TAL 166.13 TAP 60.37 RCA 97.71 APO 153.24 V2 35.231
 RC 149.570 GL -24.14 GP 3.02 ZAL 65.51 ZAP 164.07 ETS 10.16 ZAE 128.08 ETE 178.07 ZAC 89.63 ETC 13.71 CLP-164.35

PLANETOCENTRIC CONIC

C3 15.285 VHL 3.910 DLA -30.81 RAL 190.27 RAD 6567.6 VEL 11.691 PTH 2.06 VHP 6.554 DPA 7.82 RAP 178.01 ECC 1.2516
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.33 10 41 45 1155.65 22.85 345.00 55.27 111.24 11 1 1 555.6 25.53 337.16
 102.67 14 4 11 5792.60 22.87 274.89 55.28 111.23 15 40 43 5192.6 25.54 267.04
 77.33 10 41 45 1155.65 22.85 345.00 55.27 111.24 11 1 1 555.6 25.53 337.16
 102.67 14 4 11 5792.60 22.87 274.89 55.28 111.23 15 40 43 5192.6 25.54 267.04
 110.00 12 58 26 710.80 13.76 307.85 50.52 121.60 13 10 17 110.8 17.84 301.11
 110.00 16 46 40 5285.45 32.82 239.44 58.44 100.84 18 14 45 4685.4 33.77 230.39

DIFFERENTIAL CORRECTIONS

TDE-2.4059 TRA 1.5092 TC3-4.9077 BAU 1.0035
 RDE .2545 RRA .0583 RC3 -.1703 FAU .03692
 FDE-1.4185 FRA 1.2841 FC3-2.0913 BSP 18370
 BDE 2.4193 BRA 1.5103 BC3 4.9107 FSP -978

MID-COURSE EXECUTION ACCURACY

SGT 5812.8 SGR 408.3 SG3 296.7
 RRT -.2309 RRF -.2423 RTF .9641
 SGB 5827.1 R23 .0191 R13 -.9641
 SG1 5813.6 SG2 397.2 THA 179.07

ORBIT DETERMINATION ACCURACY

ST 3611.3 SR 374.2 SS 1235.0
 CRT -.9558 CRS .9259 CST -.9959
 LSA 3831.8 MSA 153.9 SSA 18.2
 EL1 3629.0 EL2 109.5 ALF 174.34

LAUNCH DATE JUN 17 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 541.488

RL 151.98 LAL -0.00 LOL 265.14 VL 26.208 GAL 4.32 AZL 93.47 MCA 257.48 SMA 125.25 ECC .22576 INC 3.4693 V1 29.314
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.518 GAP 10.26 AZP 89.25 TAL 164.84 TAP 62.32 RCA 96.97 APO 153.52 V2 35.225
 RC 151.657 GL -23.10 GP 2.88 ZAL 63.09 ZAP 165.25 ETS 10.37 ZAE 127.80 ETE 178.22 ZAC 87.66 ETC 13.50 CLP-165.52

PLANETOCENTRIC CONIC

C3 16.254 VHL 4.032 OLA -30.82 RAL 193.16 RAD 6567.7 VEL 11.732 PTH 2.07 VHP 6.780 DPA 6.84 RAP 179.85 ECC 1.2675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.30 10 53 0 1170.38 22.52 345.97 59.12 111.62 11 12 31 570.4 25.25 338.16
 102.70 14 15 57 5805.70 22.53 275.73 59.13 111.61 15 52 43 5205.7 25.26 267.92
 77.30 10 53 0 1170.38 22.52 345.97 59.12 111.62 11 12 31 570.4 25.25 338.16
 102.70 14 15 57 5805.70 22.53 275.73 59.13 111.61 15 52 43 5205.7 25.26 267.92
 110.00 13 10 10 723.98 13.29 308.58 54.25 121.79 13 22 14 124.0 17.40 301.87
 110.00 16 57 57 5300.10 32.42 240.54 62.43 101.47 18 26 18 4700.1 33.66 231.52

DIFFERENTIAL CORRECTIONS

TDE-2.4546 TRA 1.7241 TC3-4.6647 BAU 1.0142
 RDE .2707 RRA .0582 RC3 -.1568 FAU .03406
 FDE-1.3517 FRA 1.3241 FC3-1.8139 BSP 18605
 BDE 2.4695 BRA 1.7251 BC3 4.6673 FSP -934

MID-COURSE EXECUTION ACCURACY

SGT 5870.0 SGR 416.2 SG3 281.7
 RRT -.2423 RRF -.2529 RTF .9642
 SGB 5884.7 R23 .0188 R13 -.9642
 SG1 5870.8 SG2 403.8 THA 179.01

ORBIT DETERMINATION ACCURACY

ST 3593.6 SR 385.8 SS 1189.5
 CRT -.9498 CRS .9188 CST -.9960
 LSA 3801.6 MSA 158.4 SSA 17.9
 EL1 3612.3 EL2 120.1 ALF 174.17

LAUNCH DATE JUN 17 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 547.192

RL 151.98 LAL -0.00 LOL 265.14 VL 26.171 GAL 4.79 AZL 93.44 MCA 260.72 SMA 125.02 ECC .23055 INC 3.4390 V1 29.314
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.486 GAP 10.69 AZP 89.44 TAL 163.55 TAP 64.26 RCA 96.20 APO 153.85 V2 35.217
 RC 153.730 GL -22.05 GP 2.74 ZAL 60.71 ZAP 166.39 ETS 10.66 ZAE 127.55 ETE 178.34 ZAC 85.66 ETC 13.31 CLP-166.66

PLANETOCENTRIC CONIC

C3 17.372 VHL 4.168 OLA -30.78 RAL 196.00 RAD 6567.7 VEL 11.779 PTH 2.08 VHP 7.016 DPA 5.85 RAP 181.72 ECC 1.2859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.39 11 5 0 1183.49 22.10 346.77 62.99 111.99 11 24 44 583.5 24.89 339.01
 102.61 14 26 35 5823.14 22.12 276.86 63.00 111.97 16 3 38 5223.1 24.90 269.10
 77.39 11 5 0 1183.49 22.10 346.77 62.99 111.99 11 24 44 583.5 24.89 339.01
 102.61 14 26 35 5823.14 22.12 276.86 63.00 111.97 16 3 38 5223.1 24.90 269.10
 110.00 13 20 53 741.24 12.67 309.53 57.96 122.02 13 33 14 141.2 16.81 302.87
 110.00 17 9 53 5313.39 32.24 241.53 66.47 102.03 18 38 26 4713.4 33.56 232.55

DIFFERENTIAL CORRECTIONS

TDE-2.5006 TRA 1.9524 TC3-4.4042 BAU 1.0234
 RDE .2880 RRA .0569 RC3 -.1423 FAU .03132
 FDE-1.2880 FRA 1.3635 FC3-1.5607 BSP 18818
 BDE 2.5171 BRA 1.9532 BC3 4.4065 FSP -892

MID-COURSE EXECUTION ACCURACY

SGT 5920.7 SGR 423.2 SG3 267.5
 RRT -.2559 RRF -.2656 RTF .9643
 SGB 5935.8 R23 .0183 R13 -.9643
 SG1 5921.7 SG2 409.1 THA 178.95

ORBIT DETERMINATION ACCURACY

ST 3564.7 SR 396.9 SS 1144.5
 CRT -.9436 CRS .9115 CST -.9961
 LSA 3761.3 MSA 163.8 SSA 17.5
 EL1 3584.4 EL2 130.6 ALF 173.99

LAUNCH DATE JUN 17 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 552.852

RL 151.98 LAL -0.00 LOL 265.14 VL 26.135 GAL 5.30 AZL 93.41 MCA 263.96 SMA 124.80 ECC .23570 INC 3.4093 V1 29.314
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.453 GAP 11.14 AZP 89.64 TAL 162.24 TAP 66.20 RCA 95.38 APO 154.21 V2 35.210
 RC 155.789 GL -21.00 GP 2.62 ZAL 58.38 ZAP 167.50 ETS 11.05 ZAE 127.31 ETE 178.44 ZAC 83.62 ETC 13.15 CLP-167.77

PLANETOCENTRIC CONIC

C3 18.656 VHL 4.319 OLA -30.70 RAL 198.77 RAD 6567.8 VEL 11.834 PTH 2.10 VHP 7.263 DPA 4.87 RAP 183.62 ECC 1.3070
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.62 11 17 44 1194.87 21.62 347.42 66.87 112.34 11 37 39 594.9 24.46 339.70
 102.38 14 35 59 5845.04 21.63 278.29 66.88 112.33 16 13 24 5245.0 24.47 270.58
 77.62 11 17 44 1194.87 21.62 347.42 66.87 112.34 11 37 39 594.9 24.46 339.70
 102.38 14 35 59 5845.04 21.63 278.29 66.88 112.33 16 13 24 5245.0 24.47 270.58
 110.00 13 30 33 762.47 11.90 310.69 61.64 122.28 13 43 16 162.5 16.08 304.08
 110.00 17 22 21 5325.43 32.07 242.43 70.54 102.53 18 51 6 4725.4 33.46 233.47

DIFFERENTIAL CORRECTIONS

TDE-2.5436 TRA 2.1949 TC3-4.1305 BAU 1.0307
 RDE .3064 RRA .0543 RC3 -.1275 FAU .02871
 FDE-1.2274 FRA 1.4024 FC3-1.3322 BSP 18999
 BDE 2.5620 BRA 2.1956 BC3 4.1325 FSP -851

MID-COURSE EXECUTION ACCURACY

SGT 5965.0 SGR 429.3 SG3 254.2
 RRT -.2712 RRF -.2799 RTF .9644
 SGB 5980.4 R23 .0178 R13 -.9645
 SG1 5966.2 SG2 413.1 THA 178.88

ORBIT DETERMINATION ACCURACY

ST 3525.3 SR 407.2 SS 1100.1
 CRT -.9372 CRS .9039 CST -.9962
 LSA 3711.4 MSA 170.0 SSA 17.1
 EL1 3545.9 EL2 141.2 ALF 173.81

LAUNCH DATE JUN 17 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 558.463

RL 151.98 LAL -0.00 LOL 265.14 VL 26.099 GAL 5.83 AZL 93.38 MCA 267.20 SMA 124.58 ECC .24125 INC 3.3799 V1 29.314
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.420 GAP 11.61 AZP 89.83 TAL 160.94 TAP 68.14 RCA 94.52 APO 154.63 V2 35.201
 RC 157.834 GL -19.95 GP 2.52 ZAL 56.11 ZAP 168.58 ETS 11.57 ZAE 127.09 ETE 178.53 ZAC 81.57 ETC 13.01 CLP-168.86

PLANETOCENTRIC CONIC

C3 20.131 VHL 4.487 OLA -30.57 RAL 201.47 RAD 6567.8 VEL 11.896 PTH 2.11 VHP 7.523 DPA 3.88 RAP 185.53 ECC 1.3313
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.98 11 31 7 1204.60 21.06 347.90 70.75 112.68 11 51 12 604.6 23.95 340.24
 102.02 14 44 9 5871.31 21.08 280.02 70.76 112.66 16 22 1 5271.3 23.97 272.35
 77.98 11 31 7 1204.60 21.06 347.90 70.75 112.68 11 51 12 604.6 23.95 340.24
 102.02 14 44 9 5871.31 21.08 280.02 70.76 112.66 16 22 1 5271.3 23.97 272.35
 110.00 13 39 12 787.49 10.99 312.06 65.27 122.57 13 52 20 187.5 15.21 305.49
 110.00 17 35 15 5336.42 31.90 243.24 74.64 102.99 19 4 11 4736.4 33.36 234.31

DIFFERENTIAL CORRECTIONS

TDE-2.5815 TRA 2.4548 TC3-3.8430 BAU 1.0347
 RDE .3255 RRA .0504 RC3 -.1128 FAU .02614
 FDE-1.7686 FRA 1.4424 FC3-1.1240 BSP 19093
 BDE 2.6019 BRA 2.4553 BC3 3.8447 FSP -808

MID-COURSE EXECUTION ACCURACY

SGT 6001.2 SGR 434.3 SG3 241.6
 RRT -.2875 RRF -.2951 RTF .9645
 SGB 6016.9 R23 .0172 R13 -.9645
 SG1 6002.5 SG2 415.9 THA 178.80

ORBIT DETERMINATION ACCURACY

ST 3474.3 SR 416.3 SS 1056.0
 CRT -.9303 CRS .8957 CST -.9962
 LSA 3650.7 MSA 177.0 SSA 16.7
 EL1 3495.9 EL2 151.8 ALF 173.63

LAUNCH DATE JUN 17 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 564.020

RL 151.98 LAL -.00 LOL 265.14 VL 26.062 GAL 6.39 AZL 93.35 HCA 270.43 SMA 124.35 ECC .24723 INC 3.3508 V1 29.314
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.386 GAP 12.10 AZP 90.03 TAL 159.64 TAP 70.08 RCA 93.61 APO 155.10 V2 35.192
 RC 159.863 GL -18.91 GP 2.42 ZAL 53.91 ZAP 169.65 ETS 12.24 ZAE 126.87 ETE 178.60 ZAC 79.49 ETC 12.90 CLP-169.93

PLANETOCENTRIC CONIC

C3 21.821 VHL 4.671 DLA -30.39 RAL 204.09 RAD 6567.9 VEL 11.967 PTH 2.13 VHP 7.797 DPA 2.89 RAP 187.47 ECC 1.3591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.48 11 45 13 1212.37 20.44 348.20 74.61 112.99 12 5 25 612.4 23.38 340.59
 101.52 14 50 57 614.19 20.45 304.14 74.62 112.98 15 1 11 14.2 23.39 296.53
 78.48 11 45 13 1212.37 20.44 348.20 74.61 112.99 12 5 25 612.4 23.38 340.59
 101.52 14 50 57 614.19 20.45 304.14 74.62 112.98 15 1 11 14.2 23.39 296.53
 110.00 13 46 53 816.01 9.94 313.60 68.86 122.88 14 0 29 216.0 14.20 307.09
 110.00 17 48 28 5346.60 31.74 243.99 78.74 103.41 19 17 35 4746.6 33.26 235.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6212 TRA 2.7261 TC3-3.5594 BAU 1.0388 SGT 6034.9 SGR 438.5 SG3 229.9 ST 3420.4 SR 424.4 SS 1015.6
 RDE .3457 RRA .0451 RC3 -.0983 FAU .02381 RRT -.3058 RRF -.3123 RTF .9647 CRT -.9234 CRS .8879 CST -.9963
 FDE-1.1159 FRA 1.4798 FC3 -.9446 BSP 19255 SGB 6050.9 R23 .0167 R13 -.9648 LSA 3588.4 MSA 183.8 SSA 16.2
 BDE 2.6439 BRA 2.7264 BC3 3.5607 FSP -773 SG1 6036.4 SG2 417.4 THA 178.72 EL1 3442.8 EL2 161.9 ALF 173.45

LAUNCH DATE JUN 17 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 569.516

RL 151.98 LAL -.00 LOL 265.14 VL 26.026 GAL 6.98 AZL 93.32 HCA 273.67 SMA 124.14 ECC .25367 INC 3.3216 V1 29.314
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.352 GAP 12.61 AZP 90.21 TAL 158.35 TAP 72.02 RCA 92.65 APO 155.62 V2 35.183
 RC 161.876 GL -17.88 GP 2.33 ZAL 51.77 ZAP 170.69 ETS 13.11 ZAE 126.67 ETE 178.66 ZAC 77.39 ETC 12.81 CLP-170.98

PLANETOCENTRIC CONIC

C3 23.758 VHL 4.874 DLA -30.18 RAL 206.62 RAD 6568.0 VEL 12.047 PTH 2.15 VHP 8.087 DPA 1.91 RAP 189.42 ECC 1.3910
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.11 12 0 2 1217.99 19.75 348.30 78.46 113.29 12 20 20 618.0 22.74 340.75
 100.89 14 56 18 649.93 19.76 306.50 78.46 113.28 15 7 8 49.9 22.74 298.95
 79.11 12 0 2 1217.99 19.75 348.30 78.46 113.29 12 20 20 618.0 22.74 340.75
 100.89 14 56 18 649.93 19.76 306.50 78.46 113.28 15 7 8 49.9 22.74 298.95
 110.00 13 53 38 847.71 8.76 315.30 72.39 123.17 14 7 46 247.7 13.07 308.85
 110.00 18 1 52 5356.25 31.59 244.70 82.85 103.80 19 31 8 4756.2 33.16 235.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6596 TRA 3.0136 TC3-3.2755 BAU 1.0407 SGT 6063.1 SGR 441.8 SG3 218.9 ST 3360.7 SR 431.2 SS 977.3
 RDE .3666 RRA .0383 RC3 -.0845 FAU .02159 RRT -.3251 RRF -.3304 RTF .9651 CRT -.9162 CRS .8799 CST -.9964
 FDE-1.0668 FRA 1.5175 FC3 -.7867 BSP 19408 SGB 6079.2 R23 .0160 R13 -.9651 LSA 3521.2 MSA 190.8 SSA 15.7
 BDE 2.6847 BRA 3.0138 BC3 3.2766 FSP -739 SG1 6064.8 SG2 417.7 THA 178.64 EL1 3383.9 EL2 171.6 ALF 173.28

LAUNCH DATE JUN 17 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 574.944

RL 151.98 LAL -.00 LOL 265.14 VL 25.990 GAL 7.61 AZL 93.29 HCA 276.90 SMA 123.92 ECC .26064 INC 3.2922 V1 29.314
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.317 GAP 13.15 AZP 90.40 TAL 157.06 TAP 73.96 RCA 91.62 APO 156.22 V2 35.172
 RC 163.875 GL -16.87 GP 2.25 ZAL 49.72 ZAP 171.71 ETS 14.27 ZAE 126.47 ETE 178.71 ZAC 75.29 ETC 12.75 CLP-172.02

PLANETOCENTRIC CONIC

C3 25.977 VHL 5.097 DLA -29.92 RAL 209.05 RAD 6568.1 VEL 12.139 PTH 2.18 VHP 8.395 DPA .93 RAP 191.38 ECC 1.4275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.90 12 15 38 1221.11 19.00 348.19 82.27 113.56 12 35 59 621.1 22.03 340.70
 100.10 15 0 4 690.76 19.02 309.19 82.28 113.55 15 11 35 90.8 22.04 301.70
 79.90 12 15 38 1221.11 19.00 348.19 82.27 113.56 12 35 59 621.1 22.03 340.70
 100.10 15 0 4 690.76 19.02 309.19 82.28 113.55 15 11 35 90.8 22.04 301.70
 110.00 13 59 33 882.27 7.47 317.14 75.86 123.45 14 14 15 282.3 11.82 310.75
 110.00 18 15 20 5365.64 31.43 245.39 86.96 104.18 19 44 46 4765.6 33.06 236.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6966 TRA 3.3187 TC3-2.9940 BAU 1.0401 SGT 6085.5 SGR 444.1 SG3 208.5 ST 3296.3 SR 436.5 SS 941.2
 RDE .3882 RRA .0298 RC3 -.0717 FAU .01946 RRT -.3453 RRF -.3492 RTF .9656 CRT -.9087 CRS .8716 CST -.9965
 FDE-1.0209 FRA 1.5557 FC3 -.6486 BSP 19533 SGB 6101.7 R23 .0152 R13 -.9656 LSA 3450.0 MSA 197.8 SSA 15.2
 BDE 2.7244 BRA 3.3188 BC3 2.9949 FSP -707 SG1 6087.5 SG2 416.7 THA 178.55 EL1 3320.2 EL2 180.9 ALF 173.12

LAUNCH DATE JUN 17 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 580.294

RL 151.98 LAL -.00 LOL 265.14 VL 25.954 GAL 8.28 AZL 93.26 HCA 280.13 SMA 123.70 ECC .26819 INC 3.2624 V1 29.314
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.282 GAP 13.72 AZP 90.57 TAL 155.79 TAP 75.92 RCA 90.53 APO 156.88 V2 35.162
 RC 165.860 GL -15.88 GP 2.17 ZAL 47.74 ZAP 172.72 ETS 15.80 ZAE 126.27 ETE 178.75 ZAC 73.17 ETC 12.72 CLP-173.05

PLANETOCENTRIC CONIC

C3 28.522 VHL 5.341 DLA -29.64 RAL 211.37 RAD 6568.1 VEL 12.243 PTH 2.20 VHP 8.722 DPA -.05 RAP 193.36 ECC 1.4694
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.86 12 32 19 1220.71 18.20 347.79 86.05 113.80 12 52 40 620.7 21.26 340.36
 99.14 15 1 58 737.63 18.22 312.30 86.06 113.79 15 14 15 137.6 21.28 304.87
 100.00 14 35 48 821.33 15.34 317.12 84.67 115.97 14 49 29 221.3 18.71 309.95
 100.00 15 41 11 612.25 21.12 304.29 87.35 111.66 15 51 23 12.2 23.87 296.57
 110.00 14 4 42 919.35 6.07 319.10 79.27 123.70 14 20 2 319.4 10.46 312.76
 110.00 18 28 45 5375.02 31.28 246.08 91.04 104.56 19 58 20 4775.0 32.96 237.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7297 TRA 3.6457 TC3-2.7135 BAU 1.0349 SGT 6101.4 SGR 445.4 SG3 198.9 ST 3225.9 SR 440.1 SS 906.8
 RDE .4102 RRA .0196 RC3 -.0601 FAU .01735 RRT -.3657 RRF -.3681 RTF .9661 CRT -.9007 CRS .8626 CST -.9966
 FDE -.9768 FRA 1.5964 FC3 -.5266 BSP 19558 SGB 6117.7 R23 .0142 R13 -.9661 LSA 3373.5 MSA 204.8 SSA 14.7
 BDE 2.7604 BRA 3.6458 BC3 2.7142 FSP -672 SG1 6103.6 SG2 414.4 THA 178.46 EL1 3250.3 EL2 189.8 ALF 172.97

LAUNCH DATE JUN 17 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 585.554

RL 151.98 LAL -.00 LOL 265.14 VL 25.919 GAL 9.00 AZL 93.23 HCA 283.36 SMA 123.49 ECC .27638 INC 3.2320 V1 29.314
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.247 GAP 14.33 AZP 90.75 TAL 154.53 TAP 77.89 RCA 89.36 APO 157.62 V2 35.151
 RC 167.829 GL -14.92 GP 2.11 ZAL 45.84 ZAP 173.71 ETS 17.90 ZAE 126.07 ETE 178.78 ZAC 71.05 ETC 12.72 CLP-174.07

PLANETOCENTRIC CONIC

C3 31.443 VHL 5.607 OLA -29.32 RAL 213.59 RAD 6568.3 VEL 12.362 PTH 2.23 VHP 9.072 DPA -1.02 RAP 195.34 ECC 1.5175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.04 12 50 26 1215.49 17.35 347.01 89.79 114.02 13 10 41 615.5 20.45 339.63
 97.96 15 1 34 791.72 17.36 315.91 89.79 114.01 15 14 46 191.7 20.46 308.53
 100.00 14 28 25 898.01 13.01 321.62 87.63 117.15 14 43 23 298.0 16.55 314.61
 100.00 16 6 16 5872.48 21.81 280.42 91.75 110.97 17 44 9 5272.5 24.46 272.63
 110.00 14 9 10 958.64 4.58 321.17 82.61 123.91 14 25 8 358.6 9.01 314.87
 110.00 18 42 1 5384.61 31.11 246.77 95.11 104.94 20 11 45 4784.6 32.84 237.98

DIFFERENTIAL CORRECTIONS

TDE-2.7675 TRA 3.9882 TC3-2.4473 BAU 1.0290
 RDE .4328 RRA .0077 RC3 -.0496 FAU .01542
 FDE -.9383 FRA 1.6363 FC3 -.4245 BSP 19671
 BDE 2.8011 BRA 3.9882 BC3 2.4478 FSP -644

MID-COURSE EXECUTION ACCURACY

SGT 6113.6 SGR 445.8 SG3 189.8
 RRT -.3873 RRF -.3882 RTF .9668
 SGB 6129.8 R23 .0131 R13 -.9668
 SG1 6116.0 SG2 410.9 THA 178.37

ORBIT DETERMINATION ACCURACY

ST 3157.4 SR 442.3 SS 876.5
 CRT -.8927 CRS .8542 CST -.9967
 LSA 3299.8 MSA 211.0 SSA 14.3
 EL1 3182.1 EL2 197.7 ALF 172.84

LAUNCH DATE JUN 17 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 590.712

RL 151.98 LAL -.00 LOL 265.14 VL 25.884 GAL 9.76 AZL 93.20 HCA 286.59 SMA 123.28 ECC .28528 INC 3.2008 V1 29.314
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.212 GAP 14.97 AZP 90.91 TAL 153.29 TAP 79.88 RCA 88.11 APO 168.45 V2 35.139
 RC 169.783 GL -13.97 GP 2.05 ZAL 44.03 ZAP 174.68 ETS 20.87 ZAE 125.87 ETE 178.80 ZAC 68.93 ETC 12.75 CLP-175.09

PLANETOCENTRIC CONIC

C3 34.802 VHL 5.899 OLA -28.98 RAL 215.71 RAD 6568.4 VEL 12.497 PTH 2.26 VHP 9.448 DPA -1.98 RAP 197.33 ECC 1.5728
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.55 13 10 51 1202.49 16.45 345.63 93.47 114.20 13 30 54 602.5 19.58 338.30
 96.45 14 58 0 855.90 16.47 320.22 93.48 114.19 15 12 16 255.9 19.60 312.90
 100.00 14 23 55 965.46 10.88 325.50 90.67 118.01 14 40 0 365.5 14.54 318.62
 100.00 16 27 37 5856.20 22.20 279.37 95.98 110.55 18 5 13 5256.2 24.80 271.53
 110.00 14 12 59 999.86 3.02 323.33 85.90 124.07 14 29 39 399.9 7.47 317.07
 110.00 18 55 2 5394.57 30.93 247.50 99.14 105.33 20 24 57 4794.6 32.72 238.73

DIFFERENTIAL CORRECTIONS

TDE-2.8057 TRA 4.3528 TC3-2.1902 BAU 1.0192
 RDE .4559 RRA -.0060 RC3 -.0403 FAU .01356
 FDE -.9032 FRA 1.6779 FC3 -.3372 BSP 19758
 BDE 2.8425 BRA 4.3528 BC3 2.1906 FSP -616

MID-COURSE EXECUTION ACCURACY

SGT 6120.4 SGR 445.4 SG3 181.2
 RRT -.4093 RRF -.4088 RTF .9677
 SGB 6136.5 R23 .0120 R13 -.9678
 SG1 6123.1 SG2 406.2 THA 178.29

ORBIT DETERMINATION ACCURACY

ST 3087.6 SR 442.8 SS 849.1
 CRT -.8846 CRS .8457 CST -.9968
 LSA 3225.4 MSA 216.6 SSA 13.8
 EL1 3112.5 EL2 204.9 ALF 172.74

LAUNCH DATE JUN 17 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 595.752

RL 151.98 LAL -.00 LOL 265.14 VL 25.849 GAL 10.58 AZL 93.17 HCA 289.81 SMA 123.08 ECC .29498 INC 3.1686 V1 29.314
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.177 GAP 15.66 AZP 91.08 TAL 152.08 TAP 81.89 RCA 86.77 APO 159.38 V2 35.128
 RC 171.722 GL -13.05 GP 1.99 ZAL 42.31 ZAP 175.63 ETS 25.26 ZAE 125.65 ETE 178.82 ZAC 66.81 ETC 12.80 CLP-176.11

PLANETOCENTRIC CONIC

C3 38.674 VHL 6.219 OLA -28.62 RAL 217.71 RAD 6568.5 VEL 12.651 PTH 2.30 VHP 9.852 DPA -2.92 RAP 199.32 ECC 1.6365
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.67 13 36 8 1173.33 15.52 343.05 97.10 114.35 13 55 41 573.3 18.67 335.77
 94.33 14 48 41 938.36 15.53 325.85 97.11 114.34 15 4 19 338.4 18.69 318.57
 100.00 14 20 36 1028.97 8.83 329.09 93.69 118.68 14 37 45 429.0 12.59 322.32
 100.00 16 46 54 5845.99 22.44 278.71 100.11 110.28 18 24 20 5246.0 25.00 270.84
 110.00 14 16 13 1042.72 1.38 325.57 89.13 124.16 14 33 36 442.7 5.85 319.34
 110.00 19 7 46 5405.01 30.74 248.25 103.12 105.74 20 37 51 4805.0 32.59 239.52

DIFFERENTIAL CORRECTIONS

TDE-2.8457 TRA 4.7409 TC3-1.9444 BAU 1.0055
 RDE .4792 RRA -.0217 RC3 -.0324 FAU .01176
 FDE -.8716 FRA 1.7217 FC3 -.2633 BSP 19830
 BDE 2.8858 BRA 4.7409 BC3 1.9447 FSP -590

MID-COURSE EXECUTION ACCURACY

SGT 6122.2 SGR 443.9 SG3 173.2
 RRT -.4317 RRF -.4298 RTF .9689
 SGB 6138.3 R23 .0108 R13 -.9689
 SG1 6125.2 SG2 400.3 THA 178.20

ORBIT DETERMINATION ACCURACY

ST 3017.8 SR 441.6 SS 824.7
 CRT -.8762 CRS .8373 CST -.9970
 LSA 3151.7 MSA 221.5 SSA 13.3
 EL1 3042.7 EL2 211.1 ALF 172.66

LAUNCH DATE JUN 17 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 600.653

RL 151.98 LAL -.00 LOL 265.14 VL 25.814 GAL 11.46 AZL 93.14 HCA 293.03 SMA 122.87 ECC .30557 INC 3.1351 V1 29.314
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.141 GAP 16.40 AZP 91.23 TAL 150.90 TAP 83.94 RCA 85.33 APO 160.42 V2 35.116
 RC 173.647 GL -12.16 GP 1.94 ZAL 40.68 ZAP 176.54 ETS 32.21 ZAE 125.43 ETE 178.83 ZAC 64.70 ETC 12.89 CLP-177.14

PLANETOCENTRIC CONIC

C3 43.150 VHL 6.569 OLA -28.24 RAL 219.59 RAD 6568.6 VEL 12.826 PTH 2.33 VHP 10.288 DPA -3.86 RAP 201.30 ECC 1.7101
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 14 1 1 1144.83 12.83 339.67 99.85 115.46 14 20 6 544.8 16.15 332.58
 90.00 14 38 51 1022.14 16.29 332.33 101.48 113.48 14 55 53 422.1 19.33 324.98
 100.00 14 17 51 1090.33 6.81 332.53 96.70 119.18 14 36 2 490.3 10.65 325.84
 100.00 17 4 42 5839.91 22.59 278.31 104.15 110.12 18 42 2 5239.9 25.12 270.43
 110.00 14 18 55 1086.99 -.31 327.88 92.30 124.18 14 37 2 487.0 4.17 321.67
 110.00 19 20 7 5416.01 30.54 249.04 107.06 106.17 20 50 23 4816.0 32.45 240.34

DIFFERENTIAL CORRECTIONS

TDE-2.8839 TRA 5.1589 TC3-1.7066 BAU .9846
 RDE .5027 RRA -.0395 RC3 -.0259 FAU .00993
 FDE -.8416 FRA 1.7697 FC3 -.1993 BSP 19783
 BDE 2.9274 BRA 5.1591 BC3 1.7068 FSP -561

MID-COURSE EXECUTION ACCURACY

SGT 6118.9 SGR 441.5 SG3 165.7
 RRT -.4540 RRF -.4506 RTF .9701
 SGB 6134.9 R23 .0094 R13 -.9701
 SG1 6122.2 SG2 393.2 THA 178.12

ORBIT DETERMINATION ACCURACY

ST 2946.2 SR 438.6 SS 802.5
 CRT -.8674 CRS .8283 CST -.9971
 LSA 3076.6 MSA 225.9 SSA 12.9
 EL1 2970.8 EL2 216.5 ALF 172.60

LAUNCH DATE JUN 17 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 17 1968

HELIOCENTRIC CONIC

DISTANCE 605.391

RL 151.98 LAL -.00 LOL 265.14 VL 25.780 GAL 12.41 AZL 93.10 HCA 296.25 SMA 122.67 ECC .31718 INC 3.1000 V1 29.314
 RP 107.96 LAP 2.78 LOP 201.43 VP 37.106 GAP 17.20 AZP 91.37 TAL 149.76 TAP 86.02 RCA 83.76 APO 161.59 V2 35.103
 RC 175.555 GL -11.29 GP 1.89 ZAL 39.15 ZAP 177.37 ETS 44.08 ZAE 125.18 ETE 178.84 ZAC 62.61 ETC 13.02 CLP-178.18

PLANETOCENTRIC CONIC

C3 48.339 VHL 6.953 DLA -27.83 RAL 221.37 RAD 6568.8 VEL 13.027 PTH 2.38 VHP 10.762 DPA -4.77 RAP 203.29 ECC 1.7955
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 41 3 1261.44 9.32 346.45 102.10 116.86 14 2 4 661.4 12.85 339.55
 90.00 15 12 58 962.55 17.87 328.67 106.13 112.33 15 29 0 362.6 20.75 321.18
 100.00 14 15 24 1150.36 4.80 335.86 99.66 119.54 14 34 34 550.4 8.70 329.24
 100.00 17 21 17 5836.91 22.66 278.11 108.10 110.04 18 58 34 5236.9 25.18 270.23
 110.00 14 21 6 1132.45 -2.05 330.25 95.41 124.13 14 39 58 532.5 2.44 324.05
 110.00 19 32 5 5427.58 30.31 249.87 110.93 106.61 21 2 32 4827.6 32.29 241.21

DIFFERENTIAL CORRECTIONS

TDE-2.9315 TRA 5.5997 TC3-1.4871 BAU .9611
 RDE .5265 RRA -.0593 RC3 -.0204 FAU .00825
 FDE -.8173 FRA 1.8187 FC3 -.1478 BSP 19857
 BDE 2.9784 BRA 5.6000 BC3 1.4873 FSP -538

MID-COURSE EXECUTION ACCURACY

SGT 6110.9 SGR 438.3 SG3 158.6
 RRT -.4771 RRF -.4724 RTF .9716
 SGB 6126.6 R23 .0081 R13 -.9716
 SG1 6114.5 SG2 385.0 THA 178.03

ORBIT DETERMINATION ACCURACY

ST 2879.4 SR 434.2 SS 784.7
 CRT -.8591 CRS .8205 CST -.9973
 LSA 3007.1 MSA 228.7 SSA 12.4
 EL1 2903.6 EL2 220.4 ALF 172.58

LAUNCH DATE JUN 17 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 19 1968

HELIOCENTRIC CONIC

DISTANCE 609.936

RL 151.98 LAL -.00 LOL 265.14 VL 25.747 GAL 13.43 AZL 93.06 HCA 299.47 SMA 122.48 ECC .32993 INC 3.0628 V1 29.314
 RP 107.99 LAP 2.67 LOP 204.65 VP 37.071 GAP 18.07 AZP 91.51 TAL 148.67 TAP 88.15 RCA 82.07 APO 162.89 V2 35.091
 RC 177.448 GL -10.45 GP 1.85 ZAL 37.71 ZAP 178.00 ETS 65.39 ZAE 124.92 ETE 178.84 ZAC 60.53 ETC 13.17 CLP-179.23

PLANETOCENTRIC CONIC

C3 54.379 VHL 7.374 DLA -27.41 RAL 223.02 RAD 6569.0 VEL 13.257 PTH 2.42 VHP 11.278 DPA -5.67 RAP 205.26 ECC 1.8949
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 30 53 1345.74 6.70 351.25 104.71 117.58 13 53 19 745.7 10.34 344.46
 90.00 15 36 20 936.79 18.53 327.07 110.27 111.80 15 51 57 336.8 21.33 319.51
 100.00 14 13 3 1209.47 2.81 339.11 102.58 119.77 14 33 13 609.5 6.75 332.54
 100.00 17 36 51 5836.34 22.67 278.08 111.96 110.02 19 14 7 5236.3 25.19 270.19
 110.00 14 22 47 1178.89 -3.82 332.68 98.46 123.99 14 42 26 578.9 .67 326.47
 110.00 19 43 36 5439.68 30.07 250.73 114.73 107.07 21 14 16 4839.7 32.11 242.11

DIFFERENTIAL CORRECTIONS

TDE-2.9827 TRA 6.0727 TC3-1.2801 BAU .9307
 RDE .5504 RRA -.0813 RC3 -.0161 FAU .00658
 FDE -.7961 FRA 1.8719 FC3 -.1047 BSP 19903
 BDE 3.0331 BRA 6.0732 BC3 1.2802 FSP -516

MID-COURSE EXECUTION ACCURACY

SGT 6098.1 SGR 434.2 SG3 151.9
 RRT -.5002 RRF -.4944 RTF .9732
 SGB 6113.5 R23 .0067 R13 -.9732
 SG1 6102.0 SG2 375.7 THA 177.95

ORBIT DETERMINATION ACCURACY

ST 2813.7 SR 428.2 SS 769.9
 CRT -.8508 CRS .8129 CST -.9975
 LSA 2939.3 MSA 230.6 SSA 12.0
 EL1 2837.3 EL2 223.1 ALF 172.58

LAUNCH DATE JUN 17 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 21 1968

HELIOCENTRIC CONIC

DISTANCE 614.251

RL 151.98 LAL -.00 LOL 265.14 VL 25.714 GAL 14.55 AZL 93.02 HCA 302.69 SMA 122.29 ECC .34398 INC 3.0233 V1 29.314
 RP 108.03 LAP 2.54 LOP 207.87 VP 37.036 GAP 19.02 AZP 91.63 TAL 147.64 TAP 90.33 RCA 80.22 APO 164.36 V2 35.078
 RC 179.325 GL -9.64 GP 1.81 ZAL 36.37 ZAP 178.16 ETS 97.50 ZAE 124.62 ETE 178.85 ZAC 58.48 ETC 13.37 CLP 179.69

PLANETOCENTRIC CONIC

C3 61.442 VHL 7.838 DLA -26.98 RAL 224.56 RAD 6569.1 VEL 13.520 PTH 2.47 VHP 11.843 DPA -6.55 RAP 207.22 ECC 2.0112
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 23 28 1420.46 4.32 355.46 107.37 118.01 13 47 8 820.5 8.04 348.75
 90.00 15 56 1 921.86 18.91 326.14 114.21 111.48 16 11 22 321.9 21.66 318.54
 100.00 14 10 42 1267.88 .83 342.32 105.44 119.88 14 31 50 667.9 4.80 335.78
 100.00 17 51 28 5837.71 22.64 278.17 115.72 110.06 19 28 46 5237.7 25.16 270.28
 110.00 14 24 0 1226.12 -5.62 335.16 101.44 123.77 14 44 26 626.1 -1.14 328.93
 110.00 19 54 39 5452.24 29.82 251.62 118.44 107.54 21 25 31 4852.2 31.93 243.04

DIFFERENTIAL CORRECTIONS

TDE-3.0404 TRA 6.5813 TC3-1.0864 BAU .8924
 RDE .5743 RRA -.1055 RC3 -.0128 FAU .00491
 FDE -.7785 FRA 1.9299 FC3 -.0692 BSP 19913
 BDE 3.0942 BRA 6.5821 BC3 1.0864 FSP -495

MID-COURSE EXECUTION ACCURACY

SGT 6081.1 SGR 429.1 SG3 145.6
 RRT -.5234 RRF -.5167 RTF .9750
 SGB 6096.2 R23 .0052 R13 -.9750
 SG1 6085.2 SG2 365.4 THA 177.88

ORBIT DETERMINATION ACCURACY

ST 2750.3 SR 420.6 SS 758.4
 CRT -.8428 CRS .8058 CST -.9977
 LSA 2874.5 MSA 231.2 SSA 11.5
 EL1 2773.2 EL2 224.5 ALF 172.61

LAUNCH DATE JUN 17 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 23 1968

HELIOCENTRIC CONIC

DISTANCE 618.289

RL 151.98 LAL -.00 LOL 265.14 VL 25.682 GAL 15.76 AZL 92.98 HCA 305.90 SMA 122.11 ECC .35951 INC 2.9808 V1 29.314
 RP 108.07 LAP 2.41 LOP 211.08 VP 37.002 GAP 20.05 AZP 91.75 TAL 146.68 TAP 92.58 RCA 78.21 APO 166.00 V2 35.065
 RC 181.185 GL -8.85 GP 1.78 ZAL 35.13 ZAP 177.73 ETS 126.26 ZAE 124.30 ETE 178.84 ZAC 56.47 ETC 13.60 CLP 178.58

PLANETOCENTRIC CONIC

C3 69.740 VHL 8.351 DLA -26.53 RAL 225.97 RAD 6569.3 VEL 13.824 PTH 2.52 VHP 12.464 DPA -7.40 RAP 209.17 ECC 2.1477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 17 18 1490.21 2.08 359.36 110.02 118.25 13 42 8 890.2 5.84 352.70
 90.00 16 13 28 912.84 19.13 325.57 117.98 111.28 16 28 41 312.8 21.86 317.95
 100.00 14 8 13 1325.72 -1.13 345.49 108.23 119.87 14 30 19 725.7 2.85 338.97
 100.00 18 5 13 5840.60 22.57 278.35 119.37 110.14 19 42 34 5240.6 25.11 270.48
 110.00 14 24 43 1273.95 -7.42 337.69 104.35 123.46 14 45 57 673.9 -2.97 331.43
 110.00 20 5 13 5465.14 29.55 252.53 122.06 108.02 21 36 18 4865.1 31.73 243.99

DIFFERENTIAL CORRECTIONS

TDE-3.1046 TRA 7.1288 TC3 -.9057 BAU .8445
 RDE .5983 RRA -.1321 RC3 -.0105 FAU .00321
 FDE -.7644 FRA 1.9935 FC3 -.0399 BSP 19908
 BDE 3.1617 BRA 7.1300 BC3 .9058 FSP -475

MID-COURSE EXECUTION ACCURACY

SGT 6059.0 SGR 423.2 SG3 139.8
 RRT -.5466 RRF -.5390 RTF .9770
 SGB 6073.7 R23 .0038 R13 -.9770
 SG1 6063.4 SG2 354.1 THA 177.81

ORBIT DETERMINATION ACCURACY

ST 2688.6 SR 411.6 SS 750.3
 CRT -.8351 CRS .7993 CST -.9980
 LSA 2812.1 MSA 230.7 SSA 11.1
 EL1 2710.7 EL2 224.6 ALF 172.66

LAUNCH DATE JUN 18 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 27 1967

HELIOCENTRIC CONIC

DISTANCE 160.996

RL 151.99 LAL -.00 LOL 266.10 VL 22.789 GAL -.01 AZL 93.61 HCA 65.20 SMA 108.16 ECC .40522 INC 3.6099 V1 29.312
 RP 108.90 LAP -3.28 LOP 331.26 VP 34.791 GAP -23.90 AZP 91.52 TAL 180.02 TAP 245.22 RCA 64.33 APO 151.99 V2 34.799
 RC 43.079 GL -12.32 GP -1.40 ZAL 91.23 ZAP 12.14 ETS 173.67 ZAE 168.23 ETE 61.16 ZAC 102.03 ETC 14.43 CLP 12.06

PLANETOCENTRIC CONIC

C3 45.216 VHL 6.724 DLA -9.25 RAL 170.34 RAD 6568.7 VEL 12.907 PTH 2.35 VHP 14.335 DPA 8.39 RAP 165.42 ECC 1.7441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 10 43 2126.23 -17.33 35.96 43.33 112.75 6 46 9 1526.2 -14.10 28.78
 90.00 15 48 21 5352.32 27.70 244.11 49.76 83.88 17 17 33 4752.3 26.57 235.63
 100.00 7 27 32 1878.42 -18.64 17.15 42.74 113.80 7 58 50 1278.4 -15.27 9.98
 100.00 17 14 13 5075.37 29.12 223.56 49.58 82.93 18 38 49 4475.4 27.83 214.99
 110.00 8 25 28 1697.00 -22.12 1.63 40.98 116.75 8 53 45 1097.0 -18.35 354.53
 110.00 18 32 47 4829.55 32.93 204.24 48.92 80.25 19 53 16 4229.5 31.23 195.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4780 TRA -.7369 TC3 .1282 BAU .0904 SGT 774.8 SGR 433.1 SG3 57.5 ST 449.8 SR 389.1 SS 358.8
 RDE -.4528 RRA -.1938 RC3 .0769 FAU .02121 RRT -.0980 RRF .0267 RTF -.7220 CRT -.8430 CRS -.9186 CST .9852
 FDE -.3270 FRA .2999 FC3 -.4061 BSP 4086 SGB 887.6 R23 .0759 R13 .7194 LSA 674.2 MSA 166.2 SSA 15.3
 BDE .6584 BRA .7620 BC3 .1495 FSP -182 SG1 776.5 SG2 430.0 THA 175.47 EL1 571.5 EL2 164.7 ALF 139.90

LAUNCH DATE JUN 18 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 167.572

RL 151.99 LAL -.00 LOL 266.10 VL 23.188 GAL -.12 AZL 93.57 HCA 68.37 SMA 109.80 ECC .38422 INC 3.5725 V1 29.312
 RP 108.88 LAP -3.32 LOP 334.43 VP 35.059 GAP -22.59 AZP 91.32 TAL 180.20 TAP 248.56 RCA 67.61 APO 151.99 V2 34.804
 RC 42.876 GL -13.18 GP -1.46 ZAL 91.71 ZAP 10.43 ETS 172.12 ZAE 166.68 ETE 51.36 ZAC 100.66 ETC 14.30 CLP 10.33

PLANETOCENTRIC CONIC

C3 40.180 VHL 6.339 DLA -9.84 RAL 169.54 RAD 6568.5 VEL 12.710 PTH 2.31 VHP 13.598 DPA 7.78 RAP 166.73 ECC 1.6613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 12 15 2077.27 -16.02 32.97 40.52 113.67 6 46 52 1477.3 -12.68 25.88
 90.00 15 40 27 5341.76 27.62 243.35 46.98 83.51 17 9 29 4741.8 26.44 234.89
 100.00 7 28 44 1830.50 -17.30 14.23 39.92 114.76 7 59 15 1230.5 -13.82 7.17
 100.00 17 6 39 5063.76 29.02 222.71 46.78 82.49 18 31 3 4463.8 27.68 214.16
 110.00 8 25 57 1651.35 -20.70 358.86 38.14 117.83 8 53 29 1051.3 -16.81 351.89
 110.00 18 25 55 4815.68 32.76 203.19 46.10 79.65 19 46 11 4215.7 30.99 194.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3987 TRA -.7824 TC3 .0989 BAU .0704 SGT 812.9 SGR 436.5 SG3 60.4 ST 419.8 SR 391.5 SS 365.1
 RDE -.4296 RRA -.1819 RC3 .0861 FAU .02064 RRT -.0183 RRF .0218 RTF -.6744 CRT -.7857 CRS -.9161 CST .9657
 FDE -.3300 FRA .3112 FC3 -.4448 BSP 2164 SGB 922.7 R23 -.0045 R13 .6744 LSA 653.7 MSA 188.0 SSA 15.8
 BDE .5861 BRA .8033 BC3 .1311 FSP -134 SG1 812.9 SG2 436.4 THA 179.21 EL1 542.6 EL2 187.4 ALF 137.54

LAUNCH DATE JUN 18 1967

FLIGHT TIME 74.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 174.185

RL 151.99 LAL -.00 LOL 266.10 VL 23.556 GAL -.26 AZL 93.54 HCA 71.53 SMA 111.39 ECC .36453 INC 3.5366 V1 29.312
 RP 108.87 LAP -3.35 LOP 337.60 VP 35.309 GAP -21.34 AZP 91.12 TAL 180.45 TAP 251.98 RCA 70.78 APO 151.99 V2 34.809
 RC 42.849 GL -14.05 GP -1.54 ZAL 92.35 ZAP 8.72 ETS 169.93 ZAE 164.87 ETE 43.59 ZAC 99.30 ETC 14.18 CLP 8.58

PLANETOCENTRIC CONIC

C3 35.820 VHL 5.985 DLA -10.38 RAL 168.59 RAD 6568.4 VEL 12.538 PTH 2.27 VHP 12.892 DPA 7.16 RAP 168.02 ECC 1.5895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 12 50 2030.42 -14.72 30.15 37.65 114.47 6 46 41 1430.4 -11.29 23.14
 90.00 15 32 15 5330.57 27.53 242.54 44.07 83.11 17 1 5 4730.6 26.29 234.10
 100.00 7 29 1 1784.64 -15.97 11.47 37.04 115.61 7 58 46 1184.6 -12.39 4.50
 100.00 16 58 45 5051.58 28.91 221.82 43.86 82.04 18 22 56 4451.6 27.50 213.30
 110.00 8 25 33 1607.59 -19.28 356.25 35.25 118.79 8 52 21 1007.6 -15.29 349.40
 110.00 18 18 42 4801.38 32.58 202.11 43.15 79.04 19 38 44 4201.4 30.73 193.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4058 TRA -.7521 TC3 .1450 BAU .0831 SGT 846.7 SGR 438.5 SG3 67.1 ST 446.3 SR 392.8 SS 390.1
 RDE -.4070 RRA -.1699 RC3 .0955 FAU .02185 RRT -.0284 RRF .0294 RTF -.6992 CRT -.8013 CRS -.9246 CST .9668
 FDE -.3530 FRA .3071 FC3 -.5281 BSP 2414 SGB 953.5 R23 -.0023 R13 .6993 LSA 686.2 MSA 185.8 SSA 16.2
 BDE .5748 BRA .7710 BC3 .1756 FSP -156 SG1 846.8 SG2 438.2 THA 178.85 EL1 564.8 EL2 185.7 ALF 139.54

LAUNCH DATE JUN 18 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 180.828

RL 151.99 LAL -.00 LOL 266.10 VL 23.895 GAL -.40 AZL 93.50 HCA 74.70 SMA 112.92 ECC .34614 INC 3.5021 V1 29.312
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.542 GAP -20.15 AZP 90.93 TAL 180.76 TAP 255.46 RCA 73.83 APO 152.00 V2 34.815
 RC 42.995 GL -14.94 GP -1.62 ZAL 93.11 ZAP 7.01 ETS 166.65 ZAE 162.90 ETE 37.46 ZAC 97.96 ETC 14.07 CLP 6.82

PLANETOCENTRIC CONIC

C3 32.055 VHL 5.662 DLA -10.88 RAL 167.50 RAD 6568.3 VEL 12.387 PTH 2.24 VHP 12.217 DPA 6.54 RAP 169.29 ECC 1.5275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 12 35 1985.88 -13.44 27.49 34.74 115.16 6 45 41 1385.9 -9.94 20.56
 90.00 15 23 48 5319.08 27.44 241.72 41.08 82.71 16 52 27 4719.1 26.14 233.29
 100.00 7 28 29 1741.02 -14.67 8.88 34.13 116.34 7 57 30 1141.0 -11.01 2.00
 100.00 16 50 36 5039.17 28.79 220.92 40.87 81.58 18 14 35 4439.2 27.32 212.42
 110.00 8 24 23 1565.98 -17.90 353.81 32.35 119.62 8 50 29 966.0 -13.82 347.07
 110.00 18 11 11 4786.98 32.39 201.03 40.13 78.42 19 30 58 4187.0 30.46 192.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4066 TRA -.7294 TC3 .1898 BAU .0930 SGT 883.5 SGR 439.6 SG3 74.3 ST 469.2 SR 393.5 SS 413.3
 RDE -.3858 RRA -.1584 RC3 .1051 FAU .02304 RRT -.0317 RRF .0345 RTF -.7156 CRT -.8100 CRS -.9312 CST .9661
 FDE -.3750 FRA .3045 FC3 -.6223 BSP 2478 SGB 986.8 R23 -.0044 R13 .7157 LSA 714.9 MSA 485.5 SSA 16.7
 BDE .5605 BRA .7464 BC3 .2170 FSP -174 SG1 883.6 SG2 439.3 THA 178.80 EL1 583.6 EL2 185.5 ALF 141.16

LAUNCH DATE JUN 18 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 187.495

RL 151.99 LAL -0.00 LOL 266.10 VL 24.208 GAL -0.56 AZL 93.47 HCA 77.86 SMA 114.38 ECC .32900 INC 3.4686 V1 29.312
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.759 GAP -19.01 AZP 90.73 TAL 181.14 TAP 259.00 RCA 76.75 APO 152.01 V2 34.822
 RC 43.312 GL -15.84 GP -1.71 ZAL 94.01 ZAP 5.32 ETS 161.16 ZAE 160.87 ETE 32.58 ZAC 96.64 ETC 13.97 CLP 5.04

PLANETOCENTRIC CONIC

C3 28.806 VHL 5.367 DLA -11.34 RAL 166.28 RAD 6568.2 VEL 12.255 PTH 2.20 VHP 11.571 DPA 5.91 RAP 170.53 ECC 1.4741
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 11 27 1944.03 -12.22 25.03 31.82 115.74 6 43 51 1344.0 -8.66 18.16
 90.00 15 15 12 5307.30 27.33 240.87 38.02 82.30 16 43 40 4707.3 25.98 232.46
 100.00 7 27 5 1700.03 -13.42 6.48 31.21 116.96 7 55 25 1100.0 -9.20 359.67
 100.00 16 42 16 5026.53 28.66 220.00 37.81 81.11 18 6 2 4426.5 27.13 211.53
 110.00 8 22 23 1526.82 -16.57 351.56 29.43 120.34 8 47 50 926.8 -12.42 344.91
 110.00 18 3 26 4772.51 32.19 199.95 37.04 77.82 19 22 59 4172.5 30.18 191.32

DIFFERENTIAL CORRECTIONS

TOE .4108 TRA -0.7014 TC3 .2465 BAU .1047
 RDE -.3659 RRA -.1476 RC3 .1147 FAU .02445
 FDE -.4005 FRA .2980 FC3 -.7348 BSP 2628
 BDE .5501 BRA .7168 BC3 .2719 FSP -197

MID-COURSE EXECUTION ACCURACY

SGT 919.5 SGR 439.9 SG3 82.4
 RRT -.0395 RRF .0424 RTF -.7341
 SGB 1019.4 R23 -.0048 R13 .7342
 SG1 919.8 SG2 439.5 THA 178.60

ORBIT DETERMINATION ACCURACY

ST 494.8 SR 393.6 SS 439.0
 CRT -.8226 CRS -.9386 CST .9663
 LSA 747.4 MSA 183.3 SSA 17.2
 EL1 605.2 EL2 183.0 ALF 142.84

LAUNCH DATE JUN 18 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 194.184

RL 151.99 LAL -0.00 LOL 266.10 VL 24.495 GAL -0.72 AZL 93.44 HCA 81.03 SMA 115.77 ECC .31309 INC 3.4358 V1 29.312
 RP 108.80 LAP -3.39 LOP 347.11 VP 35.961 GAP -17.93 AZP 90.54 TAL 181.58 TAP 262.61 RCA 79.52 APO 152.02 V2 34.830
 RC 43.796 GL -16.73 GP -1.81 ZAL 95.04 ZAP 3.70 ETS 150.52 ZAE 158.86 ETE 28.63 ZAC 95.35 ETC 13.89 CLP 3.22

PLANETOCENTRIC CONIC

C3 26.005 VHL 5.100 DLA -11.74 RAL 164.94 RAD 6568.1 VEL 12.140 PTH 2.18 VHP 10.952 DPA 5.28 RAP 171.74 ECC 1.4280
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 9 26 1905.20 -11.06 22.77 28.89 116.23 6 41 11 1305.2 -7.45 15.95
 90.00 15 6 31 5295.25 27.22 240.01 34.93 81.88 16 34 46 4695.2 25.82 231.62
 100.00 7 24 49 1661.97 -12.23 4.28 28.28 117.49 7 52 31 1062.0 -8.46 357.53
 100.00 16 33 49 5013.70 28.52 219.07 34.71 80.64 17 57 23 4413.7 26.93 210.63
 110.00 8 19 36 1490.41 -15.31 349.49 26.51 120.94 8 44 27 890.4 -11.09 342.92
 110.00 17 55 31 4758.03 31.97 198.88 33.92 77.21 19 14 49 4158.0 29.88 190.29

DIFFERENTIAL CORRECTIONS

TOE .4120 TRA -.6754 TC3 .3068 BAU .1150
 RDE -.3473 RRA -.1374 RC3 .1239 FAU .02597
 FDE -.4265 FRA .2908 FC3 -.8646 BSP 2737
 BDE .5388 BRA .6892 BC3 .3309 FSP -222

MID-COURSE EXECUTION ACCURACY

SGT 955.4 SGR 439.4 SG3 91.4
 RRT -.0451 RRF .0495 RTF -.7485
 SGB 1051.6 R23 -.0067 R13 .7487
 SG1 955.7 SG2 438.8 THA 178.50

ORBIT DETERMINATION ACCURACY

ST 518.1 SR 393.1 SS 463.9
 CRT -.8328 CRS -.9452 CST .9659
 LSA 777.8 MSA 181.5 SSA 17.7
 EL1 624.8 EL2 180.5 ALF 144.28

LAUNCH DATE JUN 18 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 200.887

RL 151.99 LAL -0.00 LOL 266.10 VL 24.758 GAL -0.89 AZL 93.40 HCA 84.20 SMA 117.10 ECC .29835 INC 3.4037 V1 29.312
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.149 GAP -16.89 AZP 90.34 TAL 182.08 TAP 266.29 RCA 82.16 APO 152.03 V2 34.838
 RC 44.440 GL -17.61 GP -1.92 ZAL 96.17 ZAP 2.36 ETS 125.37 ZAE 156.90 ETE 25.37 ZAC 94.09 ETC 13.82 CLP 1.38

PLANETOCENTRIC CONIC

C3 23.594 VHL 4.857 DLA -12.08 RAL 163.49 RAD 6568.0 VEL 12.040 PTH 2.15 VHP 10.360 DPA 4.65 RAP 172.92 ECC 1.3883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 32 1869.69 -9.98 20.71 25.96 116.64 6 37 42 1269.7 -6.33 13.94
 90.00 14 57 51 5282.87 27.10 239.12 31.82 81.45 16 25 54 4682.9 25.64 230.76
 100.00 7 21 43 1627.15 -11.13 2.28 25.36 117.92 7 48 50 1027.1 -7.31 355.58
 100.00 16 25 21 5000.66 28.37 218.13 31.59 80.17 17 48 42 4400.7 26.72 209.72
 110.00 8 16 2 1457.02 -14.13 347.62 23.61 121.46 8 40 19 857.0 -9.86 341.12
 110.00 17 47 31 4743.55 31.75 197.81 30.79 76.61 19 6 35 4143.5 29.58 189.27

DIFFERENTIAL CORRECTIONS

TOE .4166 TRA -.6461 TC3 .3798 BAU .1269
 RDE -.3301 RRA -.1278 RC3 .1324 FAU .02774
 FDE -.4568 FRA .2801 FC3 -1.0181 BSP 2896
 BDE .5316 BRA .6586 BC3 .4022 FSP -251

MID-COURSE EXECUTION ACCURACY

SGT 992.5 SGR 438.1 SG3 101.6
 RRT -.0548 RRF .0593 RTF -.7652
 SGB 1084.8 R23 -.0073 R13 .7654
 SG1 992.8 SG2 437.3 THA 178.28

ORBIT DETERMINATION ACCURACY

ST 544.3 SR 392.1 SS 491.5
 CRT -.8457 CRS -.9521 CST .9664
 LSA 812.1 MSA 178.2 SSA 18.3
 EL1 647.4 EL2 176.0 ALF 145.77

LAUNCH DATE JUN 18 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 207.603

RL 151.99 LAL -0.00 LOL 266.10 VL 25.000 GAL -1.05 AZL 93.37 HCA 87.37 SMA 118.36 ECC .28475 INC 3.3718 V1 29.312
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.324 GAP -15.89 AZP 90.15 TAL 182.64 TAP 270.02 RCA 84.65 APO 152.06 V2 34.846
 RC 45.237 GL -18.48 GP -2.04 ZAL 97.41 ZAP 2.10 ETS 75.54 ZAE 155.06 ETE 22.64 ZAC 92.88 ETC 13.76 CLP -.51

PLANETOCENTRIC CONIC

C3 21.520 VHL 4.639 DLA -12.36 RAL 161.94 RAD 6567.9 VEL 11.954 PTH 2.13 VHP 9.793 DPA 4.02 RAP 174.05 ECC 1.3542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 2 47 1837.75 -9.00 18.88 23.05 116.96 6 33 24 1237.8 -5.32 12.14
 90.00 14 49 17 5270.15 26.97 238.21 28.71 81.01 16 17 7 4670.2 25.45 229.88
 100.00 7 17 47 1595.77 -10.12 .49 22.46 118.28 7 44 23 995.8 -6.27 353.83
 100.00 16 16 58 4987.37 28.21 217.18 28.47 79.69 17 40 5 4387.4 26.50 208.79
 110.00 8 11 43 1426.85 -13.05 345.95 20.73 121.88 8 35 30 826.8 -8.74 339.50
 110.00 17 39 31 4729.06 31.52 196.74 27.65 76.02 18 58 20 4129.1 29.28 188.25

DIFFERENTIAL CORRECTIONS

TOE .4185 TRA -.6244 TC3 .5126 BAU .1529
 RDE -.3143 RRA -.1188 RC3 .1400 FAU .02975
 FDE -.4903 FRA .2667 FC3 -1.1967 BSP 3859
 BDE .5233 BRA .6356 BC3 .5313 FSP -284

MID-COURSE EXECUTION ACCURACY

SGT 1056.7 SGR 436.0 SG3 113.1
 RRT -.0440 RRF .0704 RTF -.8006
 SGB 1143.1 R23 -.0280 R13 .8008
 SG1 1056.9 SG2 435.5 THA 178.75

ORBIT DETERMINATION ACCURACY

ST 568.7 SR 390.8 SS 520.2
 CRT -.8544 CRS -.9587 CST .9650
 LSA 845.6 MSA 177.2 SSA 18.3
 EL1 668.0 EL2 172.9 ALF 147.10

LAUNCH DATE JUN 18 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 214.326

RL 151.99 LAL -0.00 LOL 266.10 VL 25.222 GAL -1.21 AZL 93.34 HCA 90.55 SMA 119.54 ECC .27222 INC 3.3401 V1 29.312
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.485 GAP -14.94 AZP 89.97 TAL 183.25 TAP 273.80 RCA 87.00 APO 152.08 V2 34.856
 RC 46.178 GL -19.31 GP -2.18 ZAL 98.73 ZAP 3.28 ETS 41.16 ZAE 153.35 ETE 20.31 ZAC 91.72 ETC 13.72 CLP -2.45

PLANETOCENTRIC CONIC

C3 19.740 VHL 4.443 DLA -12.59 RAL 160.32 RAD 6567.8 VEL 11.879 PTH 2.11 VHP 9.251 DPA 3.40 RAP 175.12 ECC 1.3249
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 58 12 1809.55 -8.13 17.27 20.18 117.22 6 28 22 1209.6 -4.42 10.56
 90.00 14 40 55 5257.03 26.82 237.28 25.63 80.57 16 8 32 4657.0 25.25 228.97
 100.00 7 13 4 1568.02 -9.22 358.93 19.59 118.56 7 39 12 968.0 -5.34 352.29
 100.00 16 8 45 4973.80 28.04 216.20 25.38 79.20 17 31 39 4373.8 26.27 207.85
 110.00 8 6 42 1400.05 -12.08 344.48 17.89 122.22 8 30 2 800.0 -7.74 338.07
 110.00 17 31 36 4714.53 31.27 195.68 24.55 75.44 18 50 11 4114.5 28.96 187.24

DIFFERENTIAL CORRECTIONS

TDE .4238 TRA -.5862 TC3 .5429 BAU .1483
 RDE -.2998 RRA -.1105 RC3 .1457 FAU .03195
 FDE -.5265 FRA .2501 FC3-1.4014 BSP 3162
 BDE .5191 BRA .5965 BC3 .5621 FSP -320

MID-COURSE EXECUTION ACCURACY

SGT 1063.6 SGR 433.0 SG3 125.8
 RRT -.0776 RRF .0841 RTF -.7926
 SGB 1148.4 R23 -.0104 R13 .7929
 SG1 1064.3 SG2 431.4 THA 177.83

ORBIT DETERMINATION ACCURACY

ST 594.0 SR 389.0 SS 549.3
 CRT -.8698 CRS -.9649 CST .9668
 LSA 881.0 MSA 171.4 SSA 19.4
 EL1 690.6 EL2 165.1 ALF 148.31

LAUNCH DATE JUN 18 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 221.054

RL 151.99 LAL -0.00 LOL 266.10 VL 25.424 GAL -1.38 AZL 93.31 HCA 93.72 SMA 120.66 ECC .26074 INC 3.3084 V1 29.312
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.635 GAP -14.02 AZP 89.78 TAL 183.91 TAP 277.63 RCA 89.20 APO 152.12 V2 34.865
 RC 47.255 GL -20.10 GP -2.33 ZAL 100.12 ZAP 5.02 ETS 27.10 ZAE 151.82 ETE 18.29 ZAC 90.61 ETC 13.68 CLP -4.44

PLANETOCENTRIC CONIC

C3 18.214 VHL 4.268 DLA -12.74 RAL 158.65 RAD 6567.7 VEL 11.815 PTH 2.09 VHP 8.733 DPA 2.78 RAP 176.14 ECC 1.2998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 52 1785.22 -7.37 15.89 17.35 117.42 6 22 37 1185.2 -3.64 9.19
 90.00 14 32 53 5243.45 26.67 236.32 22.59 80.11 16 0 16 4643.5 25.03 228.03
 100.00 7 7 38 1544.01 -8.44 357.57 16.78 118.78 7 33 22 944.0 -4.54 350.96
 100.00 16 0 48 4959.89 27.86 215.21 22.34 78.71 17 23 28 4359.9 26.02 206.89
 110.00 8 1 3 1376.72 -11.23 343.21 15.10 122.50 8 23 59 776.7 -6.86 336.83
 110.00 17 23 53 4699.95 31.02 194.62 21.49 74.86 18 42 13 4099.9 28.63 186.23

DIFFERENTIAL CORRECTIONS

TDE .4272 TRA -.5550 TC3 .6351 BAU .1589
 RDE -.2865 RRA -.1028 RC3 .1495 FAU .03454
 FDE -.5670 FRA .2303 FC3-1.6415 BSP 3301
 BDE .5144 BRA .5644 BC3 .6525 FSP -363

MID-COURSE EXECUTION ACCURACY

SGT 1098.3 SGR 429.3 SG3 140.5
 RRT -.0920 RRF .0991 RTF -.8055
 SGB 1179.2 R23 -.0119 R13 .8058
 SG1 1099.1 SG2 427.1 THA 177.57

ORBIT DETERMINATION ACCURACY

ST 617.8 SR 387.0 SS 579.7
 CRT -.8817 CRS -.9707 CST .9671
 LSA 916.0 MSA 167.7 SSA 20.0
 EL1 711.6 EL2 158.5 ALF 149.40

LAUNCH DATE JUN 18 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 227.782

RL 151.99 LAL -0.00 LOL 266.10 VL 25.609 GAL -1.53 AZL 93.28 HCA 96.90 SMA 121.70 ECC .25024 INC 3.2764 V1 29.312
 RP 108.66 LAP -3.25 LOP 36.773 GAP -13.15 AZP 89.61 TAL 184.60 TAP 281.50 RCA 91.25 APO 152.16 V2 34.875
 RC 48.458 GL -20.84 GP -2.50 ZAL 101.56 ZAP 6.97 ETS 20.36 ZAE 150.48 ETE 16.51 ZAC 89.57 ETC 13.66 CLP -6.51

PLANETOCENTRIC CONIC

C3 16.908 VHL 4.112 DLA -12.84 RAL 156.93 RAD 6567.7 VEL 11.760 PTH 2.08 VHP 8.238 DPA 2.17 RAP 177.09 ECC 1.2783
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 51 1764.76 -6.73 14.73 14.60 117.57 6 16 15 1164.8 -2.98 8.05
 90.00 14 25 15 5229.38 26.50 235.32 19.63 79.64 15 52 25 4629.4 24.80 227.06
 100.00 7 1 33 1523.74 -7.77 356.44 14.03 118.95 7 26 56 923.7 -3.85 349.85
 100.00 15 53 14 4945.62 27.67 214.19 19.37 78.21 17 15 40 4345.6 25.76 205.91
 110.00 7 54 50 1356.86 -10.50 342.13 12.38 122.72 8 17 27 756.9 -6.12 335.78
 110.00 17 16 27 4685.27 30.75 193.56 18.50 74.28 18 34 32 4085.3 28.29 185.22

DIFFERENTIAL CORRECTIONS

TDE .4292 TRA -.5243 TC3 .7296 BAU .1684
 RDE -.2746 RRA -.0958 RC3 .1509 FAU .03740
 FDE -.6113 FRA .2070 FC3-1.9153 BSP 3421
 BDE .5095 BRA .5330 BC3 .7451 FSP -411

MID-COURSE EXECUTION ACCURACY

SGT 1131.0 SGR 424.9 SG3 156.8
 RRT -.1078 RRF .1167 RTF -.8166
 SGB 1208.2 R23 -.0145 R13 .8170
 SG1 1132.1 SG2 422.0 THA 177.31

ORBIT DETERMINATION ACCURACY

ST 639.2 SR 384.8 SS 610.4
 CRT -.8925 CRS -.9758 CST .9672
 LSA 949.6 MSA 164.4 SSA 20.5
 EL1 730.4 EL2 151.9 ALF 150.34

LAUNCH DATE JUN 18 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 234.507

RL 151.99 LAL -0.00 LOL 266.10 VL 25.778 GAL -1.68 AZL 93.24 HCA 100.08 SMA 122.68 ECC .24067 INC 3.2439 V1 29.312
 RP 108.63 LAP -3.19 LOP 36.901 GAP -12.30 AZP 89.43 TAL 185.32 TAP 285.40 RCA 93.15 APO 152.20 V2 34.886
 RC 49.776 GL -21.53 GP -2.70 ZAL 103.03 ZAP 9.05 ETS 16.54 ZAE 149.35 ETE 14.91 ZAC 88.61 ETC 13.66 CLP -8.64

PLANETOCENTRIC CONIC

C3 15.790 VHL 3.974 DLA -12.87 RAL 155.21 RAD 6567.6 VEL 11.712 PTH 2.06 VHP 7.765 DPA 1.58 RAP 177.96 ECC 1.2599
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 40 13 1748.14 -6.20 13.79 11.93 117.68 6 9 21 1148.1 -2.45 7.12
 90.00 14 18 8 5214.77 26.32 234.29 16.75 79.15 15 45 3 4614.8 24.55 226.07
 100.00 6 54 54 1507.19 -7.23 355.51 11.37 119.08 7 20 1 907.2 -3.29 348.93
 100.00 15 46 8 4930.96 27.46 213.15 16.49 77.70 17 8 19 4331.0 25.49 204.91
 110.00 7 48 9 1340.43 -9.90 341.24 9.75 122.89 8 10 29 740.4 -5.49 334.92
 110.00 17 9 23 4670.48 30.48 192.50 15.61 73.71 18 27 13 4070.5 27.94 184.22

DIFFERENTIAL CORRECTIONS

TDE .4330 TRA -.4914 TC3 .8325 BAU .1785
 RDE -.2638 RRA -.0894 RC3 .1491 FAU .04074
 FDE -.6620 FRA .1778 FC3-2.2335 BSP 3595
 BDE .5070 BRA .4995 BC3 .8458 FSP -469

MID-COURSE EXECUTION ACCURACY

SGT 1164.3 SGR 419.8 SG3 175.6
 RRT -.1288 RRF .1382 RTF -.8288
 SGB 1237.7 R23 -.0160 R13 .8293
 SG1 1165.8 SG2 415.8 THA 176.95

ORBIT DETERMINATION ACCURACY

ST 661.6 SR 382.5 SS 643.6
 CRT -.9041 CRS -.9806 CST .9678
 LSA 985.9 MSA 160.6 SSA 21.0
 EL1 750.5 EL2 144.1 ALF 151.24

LAUNCH DATE JUN 18 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 241.228

RL 151.99 LAL -.00 LOL 266.10 VL 25.931 GAL -1.82 AZL 93.21 HCA 103.26 SMA 123.58 ECC .23199 INC 3.2108 V1 29.312
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.018 GAP -11.49 AZP 89.26 TAL 186.06 TAP 289.32 RCA 94.91 APO 152.25 V2 34.897
 RC 51.201 GL -22.14 GP -2.91 ZAL 104.51 ZAP 11.25 ETS 14.12 ZAE 148.46 ETE 13.45 ZAC 87.74 ETC 13.66 CLP -10.87

PLANETOCENTRIC CONIC

C3 14.836 VHL 3.852 DLA -12.84 RAL 153.50 RAD 6567.6 VEL 11.671 PTH 2.05 VHP 7.314 DPA .99 RAP 178.74 ECC 1.2442
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 33 8 1735.21 -5.79 13.06 9.37 117.77 6 2 3 1135.2 -2.03 6.40
 90.00 14 11 35 5199.66 26.12 233.23 13.98 78.65 15 38 15 4599.7 24.29 225.04
 100.00 6 47 50 1494.19 -6.80 354.79 8.82 119.18 7 12 44 894.2 -2.86 348.22
 100.00 15 39 34 4915.91 27.24 212.09 13.71 77.18 17 1 30 4315.9 25.20 203.88
 110.00 7 41 7 1327.29 -9.41 340.54 7.23 123.01 8 3 14 727.3 -5.00 334.23
 110.00 17 2 46 4655.57 30.19 191.43 12.82 73.14 18 20 21 4055.6 27.58 183.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4312 TRA -.4628 TC3 .9249 BAU .1857 SGT 1190.7 SGR .414.2 SG3 196.5 ST 675.8 SR 380.0 SS 675.2
 RDE -.2542 RRA -.0837 RC3 .1440 FAU .04442 RRT -.1486 RRF .1619 RTF -.8361 CRT -.9123 CRS -.9845 CST .9672
 FDE -.7157 FRA .1467 FC3-2.5920 BSP 3652 SGB 1260.6 R23 -.0212 R13 .8367 LSA 1015.5 MSA 158.9 SSA 21.4
 BDE .5005 BRA .4703 BC3 .9361 FSP -529 SG1 1192.5 SG2 409.0 THA 176.65 EL1 763.0 EL2 137.8 ALF 151.84

LAUNCH DATE JUN 18 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 247.940

RL 151.99 LAL -.00 LOL 266.10 VL 26.070 GAL -1.96 AZL 93.18 HCA 106.44 SMA 124.42 ECC .22414 INC 3.1768 V1 29.312
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.126 GAP -10.71 AZP 89.10 TAL 186.82 TAP 293.26 RCA 96.53 APO 152.30 V2 34.908
 RC 52.722 GL -22.68 GP -3.16 ZAL 105.99 ZAP 13.56 ETS 12.47 ZAE 147.80 ETE 12.09 ZAC 86.98 ETC 13.68 CLP -13.20

PLANETOCENTRIC CONIC

C3 14.020 VHL 3.744 DLA -12.74 RAL 151.83 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 6.884 DPA .41 RAP 179.42 ECC 1.2307
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 25 40 1725.79 -5.49 12.53 6.93 117.82 5 54 25 1125.8 -1.73 5.87
 90.00 14 5 41 5184.03 25.90 232.13 11.34 78.14 15 32 5 4584.0 24.01 223.98
 100.00 6 40 25 1484.58 -6.48 354.25 6.39 119.25 7 5 10 884.6 -2.53 347.69
 100.00 15 33 36 4900.47 27.00 211.00 11.07 76.66 16 55 16 4300.5 24.89 202.84
 110.00 7 33 50 1317.29 -9.04 340.00 4.82 123.11 7 55 47 717.3 -4.62 333.70
 110.00 16 56 40 4640.52 29.88 190.36 10.17 72.58 18 14 1 4040.5 27.21 182.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4318 TRA -.4309 TC3 1.0242 BAU .1936 SGT 1217.3 SGR 408.3 SG3 220.6 ST 691.5 SR 377.7 SS 709.3
 RDE -.2456 RRA -.0787 RC3 .1347 FAU .04871 RRT -.1760 RRF .1909 RTF -.8457 CRT -.9218 CRS -.9880 CST .9674
 FDE -.7774 FRA .1081 FC3-3.0076 BSP 3798 SGB 1283.9 R23 -.0243 R13 .8465 LSA 1048.4 MSA 156.3 SSA 21.7
 BDE .4967 BRA .4381 BC3 1.0330 FSP -605 SG1 1219.7 SG2 401.1 THA 176.21 EL1 777.1 EL2 130.3 ALF 152.44

LAUNCH DATE JUN 18 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 254.642

RL 151.99 LAL -.00 LOL 266.10 VL 26.195 GAL -2.09 AZL 93.14 HCA 109.63 SMA 125.19 ECC .21706 INC 3.1416 V1 29.312
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.226 GAP -9.96 AZP 88.94 TAL 187.57 TAP 297.20 RCA 98.01 APO 152.36 V2 34.920
 RC 54.330 GL -23.14 GP -3.44 ZAL 107.43 ZAP 16.00 ETS 11.29 ZAE 147.39 ETE 10.81 ZAC 86.33 ETC 13.71 CLP -15.64

PLANETOCENTRIC CONIC

C3 13.323 VHL 3.650 DLA -12.60 RAL 150.21 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 6.476 DPA -.15 RAP 179.98 ECC 1.2193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 17 57 1719.60 -5.30 12.18 4.62 117.86 5 46 37 1119.6 -1.53 5.53
 90.00 14 0 28 5167.94 25.67 231.01 8.85 77.63 15 26 36 4567.9 23.71 222.89
 100.00 6 32 49 1478.10 -6.26 353.89 4.09 119.29 6 57 27 878.1 -2.31 347.33
 100.00 15 28 18 4884.68 26.75 209.90 8.57 76.13 16 49 42 4284.7 24.57 201.77
 110.00 7 26 26 1310.18 -8.77 339.62 2.56 123.17 7 48 16 710.2 -4.35 333.33
 110.00 16 51 10 4625.36 29.57 189.29 7.65 72.01 18 8 15 4025.4 26.83 181.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4288 TRA -.4021 TC3 1.1116 BAU .1992 SGT 1236.8 SGR 402.1 SG3 247.5 ST 700.9 SR 375.4 SS 743.5
 RDE -.2380 RRA -.0744 RC3 .1210 FAU .05348 RRT -.2060 RRF .2248 RTF -.8521 CRT -.9292 CRS -.9908 CST .9670
 FDE -.8449 FRA .0652 FC3-3.4751 BSP 3865 SGB 1300.6 R23 -.0302 R13 .8531 LSA 1077.3 MSA 155.2 SSA 21.9
 BDE .4904 BRA .4089 BC3 1.1181 FSP -685 SG1 1239.9 SG2 392.5 THA 175.74 EL1 785.4 EL2 123.8 ALF 152.81

LAUNCH DATE JUN 18 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 261.331

RL 151.99 LAL -.00 LOL 266.10 VL 26.308 GAL -2.20 AZL 93.10 HCA 112.81 SMA 125.89 ECC .21072 INC 3.1049 V1 29.312
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.317 GAP -9.24 AZP 88.80 TAL 188.32 TAP 301.13 RCA 99.36 APO 152.42 V2 34.932
 RC 56.016 GL -23.53 GP -3.76 ZAL 108.84 ZAP 18.58 ETS 10.42 ZAE 147.24 ETE 9.56 ZAC 85.81 ETC 13.74 CLP -18.21

PLANETOCENTRIC CONIC

C3 12.727 VHL 3.567 DLA -12.40 RAL 148.66 RAD 6567.5 VEL 11.581 PTH 2.03 VHP 6.089 DPA -.69 RAP 180.41 ECC 1.2095
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 8 1716.36 -5.19 12.00 2.46 117.88 5 38 45 1116.4 -1.42 5.34
 90.00 13 55 58 5151.43 25.43 229.87 6.50 77.10 15 21 50 4551.4 23.40 221.78
 100.00 6 25 7 1474.46 -6.14 353.69 1.95 119.31 6 49 41 874.5 -2.19 347.13
 100.00 15 23 41 4868.57 26.48 208.78 6.22 75.59 16 44 49 4268.6 24.24 200.69
 110.00 7 19 0 1305.70 -8.61 339.38 .44 123.21 7 40 46 705.7 -4.18 333.09
 110.00 16 46 17 4610.09 29.24 188.22 5.30 71.46 18 3 7 4010.1 26.43 180.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4241 TRA -.3739 TC3 1.1914 BAU .2034 SGT 1250.8 SGR 396.2 SG3 278.2 ST 706.1 SR 373.3 SS 778.7
 RDE -.2314 RRA -.0707 RC3 .1021 FAU .05894 RRT -.2416 RRF .2648 RTF -.8576 CRT -.9358 CRS -.9931 CST .9664
 FDE -.9201 FRA .0155 FC3-4.0094 BSP 3930 SGB 1312.0 R23 -.0372 R13 .8588 LSA 1104.5 MSA 154.6 SSA 21.9
 BDE .4831 BRA .3805 BC3 1.1957 FSP -780 SG1 1254.8 SG2 383.2 THA 175.17 EL1 790.0 EL2 117.7 ALF 153.03

LAUNCH DATE JUN 18 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 268.007

RL 151.99 LAL -.00 LOL 266.10 VL 26.410 GAL -2.31 AZL 93.07 MCA 116.00 SMA 126.53 ECC .20505 INC 3.0665 V1 29.312
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.400 GAP -8.54 AZP 88.65 TAL 189.04 TAP 305.04 RCA 100.59 APO 152.48 V2 34.945
 RC 57.772 GL -23.82 GP -4.12 ZAL 110.18 ZAP 21.31 ETS 9.76 ZAE 147.37 ETE 8.32 ZAC 85.45 ETC 13.78 CLP -20.93

PLANETOCENTRIC CONIC

C3 12.215 VHL 3.495 DLA -12.16 RAL 147.21 RAD 6567.5 VEL 11.559 PTH 2.02 VHP 5.722 DPA -1.21 RAP 180.69 ECC 1.2010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 2 19 1715.75 -5.17 11.96 .47 117.88 5 30 55 1115.8 -1.40 5.31
 90.00 13 52 13 5134.55 25.17 228.70 4.33 76.57 15 17 48 4534.6 23.07 220.66
 100.00 6 17 27 1473.37 -6.10 353.63 359.96 119.32 6 42 0 873.4 -2.15 347.07
 100.00 15 19 47 4852.17 26.20 207.64 4.04 75.06 16 40 39 4252.2 23.89 199.60
 110.00 7 11 39 1303.59 -8.53 339.27 358.47 123.23 7 33 23 703.6 -4.10 332.98
 110.00 16 42 4 4594.71 28.91 187.15 3.10 70.91 17 58 38 3994.7 26.03 179.16

DIFFERENTIAL CORRECTIONS

TDE .4176 TRA -.3471 TC3 1.2600 BAU .2062
 RDE -.2257 RRA -.0678 RC3 .0775 FAU .06517
 FDE-1.0040 FRA -.0412 FC3-4.6186 BSP 3974
 BDE .4747 BRA .3536 BC3 1.2624 FSP -889

MID-COURSE EXECUTION ACCURACY

SGT 1258.2 SGR 390.9 SG3 313.1
 RRT -.2835 RRF .3120 RTF -.8618
 SGB 1317.5 R23 -.0460 R13 .8634
 SG1 1263.5 SG2 373.2 THA 174.48

ORBIT DETERMINATION ACCURACY

ST 706.9 SR 371.6 SS 815.1
 CRT -.9414 CRS -.9949 CST .9656
 LSA 1130.4 MSA 154.7 SSA 21.8
 EL1 790.8 EL2 112.1 ALF 153.09

LAUNCH DATE JUN 18 1967

FLIGHT TIME 104.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 274.666

RL 151.99 LAL -.00 LOL 266.10 VL 26.501 GAL -2.41 AZL 93.03 MCA 119.19 SMA 127.11 ECC .20001 INC 3.0259 V1 29.312
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.476 GAP -7.87 AZP 88.52 TAL 189.73 TAP 308.92 RCA 101.69 APO 152.54 V2 34.957
 RC 59.590 GL -24.04 GP -4.53 ZAL 111.45 ZAP 24.21 ETS 9.26 ZAE 147.79 ETE 7.04 ZAC 85.26 ETC 13.83 CLP -23.81

PLANETOCENTRIC CONIC

C3 11.774 VHL 3.431 DLA -11.88 RAL 145.87 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 5.376 DPA -1.71 RAP 180.80 ECC 1.1938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 54 36 1717.47 -5.23 12.06 358.64 117.87 5 23 14 1117.5 -1.46 5.41
 90.00 13 49 14 5117.33 24.89 227.51 2.32 76.04 15 14 32 4517.3 22.73 219.51
 100.00 6 9 54 1474.53 -6.14 353.70 358.14 119.31 6 34 29 874.5 -2.19 347.14
 100.00 15 16 38 4835.50 25.90 206.49 2.03 74.52 16 37 13 4235.5 23.52 198.50
 110.00 7 4 29 1303.58 -8.53 339.27 356.68 123.23 7 26 13 703.6 -4.10 332.98
 110.00 16 38 32 4579.22 28.56 186.08 1.08 70.36 17 54 51 3979.2 25.61 178.14

DIFFERENTIAL CORRECTIONS

TDE .4097 TRA -.3212 TC3 1.3189 BAU .2077
 RDE -.2210 RRA -.0656 RC3 .0461 FAU .07230
 FDE-1.0981 FRA -.1064 FC3-5.3161 BSP 4029
 BDE .4655 BRA .3279 BC3 1.3197 FSP -1017

MID-COURSE EXECUTION ACCURACY

SGT 1260.1 SGR 386.9 SG3 353.1
 RRT -.3332 RRF .3677 RTF -.8654
 SGB 1318.1 R23 -.0565 R13 .8677
 SG1 1267.2 SG2 362.7 THA 173.64

ORBIT DETERMINATION ACCURACY

ST 704.2 SR 370.5 SS 853.6
 CRT -.9463 CRS -.9962 CST .9648
 LSA 1156.4 MSA 155.2 SSA 21.6
 EL1 788.5 EL2 107.0 ALF 152.99

LAUNCH DATE JUN 18 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 281.309

RL 151.99 LAL -.00 LOL 266.10 VL 26.581 GAL -2.50 AZL 92.98 MCA 122.39 SMA 127.64 ECC .19555 INC 2.9827 V1 29.312
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.545 GAP -7.22 AZP 88.40 TAL 190.39 TAP 312.77 RCA 102.68 APO 152.60 V2 34.970
 RC 61.464 GL -24.17 GP -5.00 ZAL 112.63 ZAP 27.31 ETS 8.87 ZAE 148.49 ETE 5.69 ZAC 85.25 ETC 13.87 CLP -26.88

PLANETOCENTRIC CONIC

C3 11.390 VHL 3.375 DLA -11.57 RAL 144.65 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 5.051 DPA -2.19 RAP 180.72 ECC 1.1875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 5 1721.22 -5.35 12.27 356.98 117.85 5 15 46 1121.2 -1.58 5.62
 90.00 13 47 2 5099.78 24.60 226.31 .49 75.51 15 12 2 4499.8 22.36 218.35
 100.00 6 2 34 1477.66 -6.25 353.87 356.49 119.29 6 27 12 877.7 -2.30 347.31
 100.00 15 14 13 4818.58 25.58 205.33 .20 73.99 16 34 32 4218.6 23.14 197.38
 110.00 6 57 35 1305.39 -8.60 339.36 355.05 123.21 7 19 20 705.4 -4.16 333.08
 110.00 16 35 42 4563.61 28.20 185.01 359.24 69.82 17 51 46 3963.6 25.19 177.13

DIFFERENTIAL CORRECTIONS

TDE .3965 TRA -.2998 TC3 1.3526 BAU .2060
 RDE -.2170 RRA -.0641 RC3 .0077 FAU .08022
 FDE-1.1980 FRA -.1764 FC3-6.0971 BSP 3994
 BDE .4520 BRA .3065 BC3 1.3527 FSP -1155

MID-COURSE EXECUTION ACCURACY

SGT 1247.6 SGR 384.8 SG3 397.5
 RRT -.3864 RRF .4303 RTF -.8655
 SGB 1305.6 R23 -.0725 R13 .8687
 SG1 1257.2 SG2 352.2 THA 172.62

ORBIT DETERMINATION ACCURACY

ST 691.5 SR 369.9 SS 890.1
 CRT -.9492 CRS -.9971 CST .9630
 LSA 1175.6 MSA 156.9 SSA 21.3
 EL1 777.3 EL2 103.6 ALF 152.55

LAUNCH DATE JUN 18 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 287.934

RL 151.99 LAL -.00 LOL 266.10 VL 26.653 GAL -2.58 AZL 92.94 MCA 125.58 SMA 128.11 ECC .19162 INC 2.9362 V1 29.312
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.607 GAP -6.60 AZP 88.29 TAL 190.99 TAP 316.57 RCA 103.56 APO 152.65 V2 34.983
 RC 63.388 GL -24.22 GP -5.54 ZAL 113.72 ZAP 30.61 ETS 8.56 ZAE 149.50 ETE 4.20 ZAC 85.47 ETC 13.91 CLP -30.15

PLANETOCENTRIC CONIC

C3 11.055 VHL 3.325 DLA -11.21 RAL 143.56 RAD 6567.4 VEL 11.508 PTH 2.00 VHP 4.747 DPA -2.66 RAP 180.43 ECC 1.1819
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 39 49 1726.75 -5.52 12.58 355.49 117.82 5 8 36 1126.8 -1.76 5.92
 90.00 13 45 36 5081.89 24.29 225.09 358.84 74.97 15 10 18 4481.9 21.99 217.18
 100.00 5 55 31 1482.52 -6.41 354.14 355.01 119.26 6 20 14 882.5 -2.46 347.58
 100.00 15 12 35 4801.35 25.26 204.16 358.54 73.45 16 32 36 4201.4 22.75 196.26
 110.00 6 50 59 1308.81 -8.72 339.55 353.59 123.18 7 12 48 708.8 -4.29 333.26
 110.00 16 33 36 4547.82 27.82 183.94 357.57 69.29 17 49 24 3947.8 24.75 176.12

DIFFERENTIAL CORRECTIONS

TDE .3804 TRA -.2811 TC3 1.3636 BAU .2016
 RDE -.2140 RRA -.0634 RC3 -.0391 FAU .08908
 FDE-1.3075 FRA -.2537 FC3-6.9763 BSP 3928
 BDE .4364 BRA .2882 BC3 1.3642 FSP -1312

MID-COURSE EXECUTION ACCURACY

SGT 1223.0 SGR 386.1 SG3 447.2
 RRT -.4453 RRF .5009 RTF -.8629
 SGB 1282.5 R23 -.0938 R13 .8677
 SG1 1236.1 SG2 342.1 THA 171.33

ORBIT DETERMINATION ACCURACY

ST 672.5 SR 370.3 SS 927.5
 CRT -.9508 CRS -.9978 CST .9605
 LSA 1193.3 MSA 159.0 SSA 20.8
 EL1 761.0 EL2 101.4 ALF 151.82

LAUNCH DATE JUN 18 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 294.539

RL 151.99 LAL -.00 LOL 266.10 VL 26.715 GAL -2.64 AZL 92.89 HCA 128.78 SMA 128.52 ECC .18818 INC 2.8859 V1 29.312
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.664 GAP -5.99 AZP 88.19 TAL 191.54 TAP 320.32 RCA 104.34 APO 152.70 V2 34.996
 RC 65.357 GL -24.18 GP -6.17 ZAL 114.72 ZAP 34.14 ETS 8.30 ZAE 150.82 ETE 2.48 ZAC 85.91 ETC 13.94 CLP -33.65

PLANETOCENTRIC CONIC

C3 10.756 VHL 3.280 DLA -10.83 RAL 142.61 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 4.465 DPA -3.10 RAP 179.90 ECC 1.1770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 32 52 1733.89 -5.75 12.98 354.18 117.77 5 1 46 1133.9 -1.99 6.32
 90.00 13 44 58 5063.55 23.96 223.85 357.36 74.43 15 9 21 4463.5 21.59 215.98
 100.00 5 48 47 1488.93 -6.62 354.50 353.70 119.22 6 13 36 888.9 -2.68 347.93
 100.00 15 11 43 4783.74 24.91 202.96 357.06 72.92 16 31 27 4183.7 22.33 195.11
 110.00 6 44 45 1313.68 -8.90 339.81 352.31 123.14 7 6 39 713.7 -4.48 333.51
 110.00 16 32 15 4531.76 27.43 182.85 356.08 68.75 17 47 47 3931.8 24.29 175.09

DIFFERENTIAL CORRECTIONS

TDE .3622 TRA -.2642 TC3 1.3551 BAU .1954
 RDE -.2121 RRA -.0636 RC3 -.0965 FAU .09913
 FDE-1.4289 FRA -.3414 FC3-7.9788 BSP 3857
 BDE .4198 BRA .2718 BC3 1.3585 FSP -1496

MID-COURSE EXECUTION ACCURACY

SGT 1188.0 SGR 392.6 SG3 503.7
 RRT -.5093 RRF .5788 RTF -.8585
 SGB 1251.2 R23 -.1211 R13 .8657
 SG1 1206.1 SG2 332.8 THA 169.65

ORBIT DETERMINATION ACCURACY

ST 648.9 SR 372.2 SS 967.4
 CRT -.9515 CRS -.9982 CST .9575
 LSA 1212.0 MSA 161.1 SSA 20.2
 EL1 741.3 EL2 100.2 ALF 150.79

LAUNCH DATE JUN 18 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 301.124

RL 151.99 LAL -.00 LOL 266.10 VL 26.770 GAL -2.70 AZL 92.83 HCA 131.98 SMA 128.88 ECC .18518 INC 2.8307 V1 29.312
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.715 GAP -5.41 AZP 88.11 TAL 192.03 TAP 324.01 RCA 105.02 APO 152.75 V2 35.009
 RC 67.365 GL -24.07 GP -6.89 ZAL 115.61 ZAP 37.93 ETS 8.08 ZAE 152.46 ETE .42 ZAC 86.62 ETC 13.94 CLP -37.39

PLANETOCENTRIC CONIC

C3 10.487 VHL 3.238 DLA -10.42 RAL 141.81 RAD 6567.4 VEL 11.484 PTH 2.00 VHP 4.204 DPA -3.54 RAP 179.11 ECC 1.1726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 26 15 1742.49 -6.02 13.47 353.04 117.72 4 55 17 1142.5 -2.26 6.80
 90.00 13 45 9 5044.64 23.61 222.58 356.06 73.89 15 9 14 4444.6 21.17 214.75
 100.00 5 42 25 1496.76 -6.88 354.93 352.57 119.16 6 7 21 896.8 -2.94 348.36
 100.00 15 11 40 4765.60 24.54 201.74 355.75 72.37 16 31 6 4165.6 21.90 193.94
 110.00 6 38 54 1319.85 -9.13 340.14 351.20 123.08 7 0 54 719.9 -4.71 333.84
 110.00 16 31 40 4515.28 27.02 181.75 354.76 68.21 17 46 55 3915.3 23.82 174.05

DIFFERENTIAL CORRECTIONS

TDE .3381 TRA -.2535 TC3 1.3081 BAU .1848
 RDE -.2112 RRA -.0645 RC3 -.1648 FAU .10996
 FDE-1.5530 FRA -.4293 FC3-9.0776 BSP 3689
 BDE .3986 BRA .2616 BC3 1.3184 FSP -1691

MID-COURSE EXECUTION ACCURACY

SGT 1132.9 SGR 405.6 SG3 564.7
 RRT -.5680 RRF .6580 RTF -.8471
 SGB 1203.4 R23 -.1615 R13 .8589
 SG1 1158.2 SG2 326.5 THA 167.50

ORBIT DETERMINATION ACCURACY

ST 614.1 SR 375.3 SS 1003.7
 CRT -.9494 CRS -.9984 CST .9525
 LSA 1224.0 MSA 164.1 SSA 19.6
 EL1 712.5 EL2 101.6 ALF 149.18

LAUNCH DATE JUN 18 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 307.689

RL 151.99 LAL -.00 LOL 266.10 VL 26.817 GAL -2.74 AZL 92.77 HCA 135.18 SMA 129.20 ECC .18259 INC 2.7697 V1 29.312
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.760 GAP -4.84 AZP 88.03 TAL 192.45 TAP 327.63 RCA 105.61 APO 152.79 V2 35.023
 RC 69.409 GL -23.86 GP -7.72 ZAL 116.40 ZAP 41.99 ETS 7.87 ZAE 154.40 ETE 357.82 ZAC 87.60 ETC 13.91 CLP -41.40

PLANETOCENTRIC CONIC

C3 10.239 VHL 3.200 DLA -9.96 RAL 141.15 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 3.967 DPA -3.97 RAP 178.04 ECC 1.1685
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 19 57 1752.55 -6.34 14.04 352.08 117.66 4 49 10 1152.6 -2.59 7.37
 90.00 13 46 13 5024.94 23.23 221.25 354.92 73.33 15 9 58 4424.9 20.72 213.48
 100.00 5 36 23 1506.00 -7.19 355.45 351.61 119.09 6 1 29 906.0 -3.25 348.87
 100.00 15 12 28 4746.72 24.15 200.48 354.60 71.82 16 31 35 4146.7 21.44 192.73
 110.00 6 33 26 1327.31 -9.41 340.54 350.26 123.01 6 55 34 727.3 -5.00 334.23
 110.00 16 31 54 4498.17 26.58 180.61 353.61 67.67 17 46 52 3898.2 23.32 172.97

DIFFERENTIAL CORRECTIONS

TDE .3098 TRA -.2467 TC3 1.2288 BAU .1716
 RDE -.2114 RRA -.0663 RC3 -.2475 FAU .12181
 FDE-1.6810 FRA -.5214 FC-10.2994 BSP 3475
 BDE .3751 BRA .2555 BC3 1.2534 FSP -1906

MID-COURSE EXECUTION ACCURACY

SGT 1061.7 SGR 427.7 SG3 631.4
 RRT -.6176 RRF .7352 RTF -.8284
 SGB 1144.6 R23 -.2160 R13 .8488
 SG1 1097.4 SG2 325.5 THA 164.64

ORBIT DETERMINATION ACCURACY

ST 571.3 SR 380.3 SS 1038.5
 CRT -.9446 CRS -.9986 CST .9452
 LSA 1233.4 MSA 167.1 SSA 18.9
 EL1 678.2 EL2 105.1 ALF 146.94

LAUNCH DATE JUN 18 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 314.233

RL 151.99 LAL -.00 LOL 266.10 VL 26.857 GAL -2.78 AZL 92.70 HCA 138.39 SMA 129.47 ECC .18037 INC 2.7014 V1 29.312
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.801 GAP -4.29 AZP 87.98 TAL 192.80 TAP 331.19 RCA 106.12 APO 152.82 V2 35.036
 RC 71.485 GL -23.58 GP -8.68 ZAL 117.08 ZAP 46.33 ETS 7.65 ZAE 156.63 ETE 354.40 ZAC 88.88 ETC 13.84 CLP -45.69

PLANETOCENTRIC CONIC

C3 10.005 VHL 3.163 DLA -9.46 RAL 140.65 RAD 6567.4 VEL 11.463 PTH 1.99 VHP 3.754 DPA -4.40 RAP 176.66 ECC 1.1647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 13 57 1764.18 -6.71 14.69 351.28 117.58 4 43 22 1164.2 -2.96 8.02
 90.00 13 48 12 5004.08 22.81 219.87 353.94 72.75 15 11 36 4404.1 20.24 212.14
 100.00 5 30 39 1516.74 -7.54 356.05 350.82 119.01 5 55 56 916.7 -3.62 349.46
 100.00 15 14 11 4726.76 23.72 199.15 353.62 71.25 16 32 58 4126.8 20.94 191.46
 110.00 6 28 20 1336.13 -9.74 341.01 349.49 122.93 6 50 36 736.1 -5.33 334.69
 110.00 16 33 0 4480.13 26.11 179.42 352.62 67.11 17 47 40 3880.1 22.78 171.85

DIFFERENTIAL CORRECTIONS

TDE .2782 TRA -.2432 TC3 1.1129 BAU .1560
 RDE -.2131 RRA -.0692 RC3 -.3473 FAU .13448
 FDE-1.8113 FRA -.6175 FC-11.6363 BSP 3241
 BDE .3504 BRA .2529 BC3 1.1659 FSP -2144

MID-COURSE EXECUTION ACCURACY

SGT 974.2 SGR 462.0 SG3 703.2
 RRT -.6497 RRF .8054 RTF -.7983
 SGB 1078.2 R23 -.2846 R13 .8358
 SG1 1025.3 SG2 333.7 THA 160.76

ORBIT DETERMINATION ACCURACY

ST 521.9 SR 387.9 SS 1072.3
 CRT -.9363 CRS -.9987 CST .9346
 LSA 1242.4 MSA 170.0 SSA 18.1
 EL1 640.7 EL2 111.0 ALF 143.91

LAUNCH DATE JUN 18 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 320.756

RL 151.99 LAL -1.00 LOL 266.10 VL 26.890 GAL -2.80 AZL 92.62 HCA 141.60 SMA 129.70 ECC .17849 INC 2.6237 V1 29.312
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.837 GAP -3.76 AZP 87.94 TAL 193.07 TAP 334.67 RCA 106.55 APO 152.85 V2 35.049
 RC 73.590 GL -23.15 GP -9.80 ZAL 117.66 ZAP 50.95 ETS 7.40 ZAE 159.08 ETE 349.70 ZAC 90.46 ETC 13.71 CLP -50.26

PLANETOCENTRIC CONIC

C3 9.780 VHL 3.127 DLA -8.91 RAL 140.31 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 3.566 DPA -4.87 RAP 174.98 ECC 1.1610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 8 12 1777.59 -7.13 15.45 350.65 117.48 4 37 49 1177.6 -3.39 8.77
 90.00 13 51 15 4981.61 22.35 218.38 353.13 72.15 15 14 16 4381.6 19.70 210.71
 100.00 5 25 12 1529.19 -7.95 356.74 350.20 118.91 5 50 41 929.2 -4.04 350.15
 100.00 15 16 56 4705.25 23.24 197.73 352.80 70.65 16 35 21 4105.3 20.38 190.10
 110.00 6 23 32 1346.48 -10.12 341.57 348.89 122.83 6 45 59 746.5 -5.72 335.24
 110.00 16 35 4 4460.72 25.59 178.15 351.79 66.52 17 49 25 3860.7 22.19 170.65

DIFFERENTIAL CORRECTIONS

TDE .2403 TRA -2.466 TC3 .9457 BAU .1379
 RDE -.2157 RRA -.0725 RC3 -1.4662 FAU .14732
 FDE -1.9273 FRA -.7001 FC-13.0409 BSP 2927
 BDE .3229 BRA .2571 BC3 1.0544 FSP -2380

MID-COURSE EXECUTION ACCURACY

SGT 867.7 SGR 509.3 SG3 776.1
 RRT -.6449 RRF .8632 RTF -.7423
 SGB 1006.1 R23 -.3678 R13 .8178
 SG1 939.7 SG2 359.4 THA 155.44

ORBIT DETERMINATION ACCURACY

ST 461.5 SR 397.4 SS 1097.2
 CRT -.9195 CRS -.9989 CST .9161
 LSA 1242.8 MSA 173.2 SSA 17.3
 EL1 596.9 EL2 120.8 ALF 139.63

LAUNCH DATE JUN 18 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 327.257

RL 151.99 LAL -1.00 LOL 266.10 VL 26.918 GAL -2.81 AZL 92.53 HCA 144.81 SMA 129.89 ECC .17691 INC 2.5342 V1 29.312
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.869 GAP -3.25 AZP 87.93 TAL 193.27 TAP 338.07 RCA 106.91 APO 152.86 V2 35.062
 RC 75.721 GL -22.62 GP -11.09 ZAL 118.15 ZAP 55.85 ETS 7.08 ZAE 161.64 ETE 342.95 ZAC 92.34 ETC 13.48 CLP -55.11

PLANETOCENTRIC CONIC

C3 9.556 VHL 3.091 DLA -8.28 RAL 140.13 RAD 6567.3 VEL 11.443 PTH 1.98 VHP 3.405 DPA -5.39 RAP 172.97 ECC 1.1573
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 2 33 1793.28 -7.62 16.34 350.19 117.35 4 32 26 1193.3 -3.90 9.64
 90.00 13 55 30 4956.81 21.82 216.75 352.46 71.50 15 18 7 4356.8 19.10 209.14
 100.00 5 19 53 1543.80 -8.43 357.56 349.75 118.78 5 45 36 943.8 -4.53 350.95
 100.00 15 20 51 4681.52 22.69 196.18 352.13 70.00 16 38 53 4081.5 19.76 188.61
 110.00 6 18 59 1358.75 -10.57 342.23 348.46 122.70 6 41 37 758.8 -6.19 335.88
 110.00 16 38 15 4439.33 25.00 176.77 351.11 65.89 17 52 14 3839.3 21.53 169.34

DIFFERENTIAL CORRECTIONS

TDE .1984 TRA -2.542 TC3 .7320 BAU .1217
 RDE -.2196 RRA -.0765 RC3 -1.6097 FAU .16018
 FDE -2.0238 FRA -.7712 FC-14.5116 BSP 2627
 BDE .2959 BRA .2655 BC3 .9526 FSP -2621

MID-COURSE EXECUTION ACCURACY

SGT 752.9 SGR 572.9 SG3 849.4
 RRT -.5843 RRF .9082 RTF -.6420
 SGB 946.0 R23 -.4410 R13 .8057
 SG1 852.2 SG2 410.7 THA 147.67

ORBIT DETERMINATION ACCURACY

ST 394.7 SR 409.3 SS 1113.7
 CRT -.8890 CRS -.9990 CST .8841
 LSA 1237.9 MSA 176.4 SSA 16.5
 EL1 552.7 EL2 133.9 ALF 133.83

LAUNCH DATE JUN 18 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 333.737

RL 151.99 LAL -1.00 LOL 266.10 VL 26.940 GAL -2.81 AZL 92.43 HCA 148.02 SMA 130.04 ECC .17561 INC 2.4291 V1 29.312
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.896 GAP -2.75 AZP 87.94 TAL 193.39 TAP 341.40 RCA 107.20 APO 152.87 V2 35.075
 RC 77.874 GL -21.93 GP -12.60 ZAL 118.53 ZAP 61.01 ETS 6.67 ZAE 164.06 ETE 332.97 ZAC 94.51 ETC 13.14 CLP -60.22

PLANETOCENTRIC CONIC

C3 9.329 VHL 3.054 DLA -7.55 RAL 140.13 RAD 6567.3 VEL 11.433 PTH 1.98 VHP 3.272 DPA -6.01 RAP 170.64 ECC 1.1535
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 56 50 1812.02 -8.21 17.41 349.90 117.20 4 27 2 1212.0 -4.50 10.69
 90.00 14 1 13 4928.64 21.20 214.92 351.94 70.78 15 23 22 4328.6 18.39 207.38
 100.00 5 14 33 1561.31 -9.01 358.55 349.47 118.62 5 40 34 961.3 -5.12 351.92
 100.00 15 26 11 4654.58 22.06 194.43 351.61 69.30 16 43 46 4054.6 19.04 186.93
 110.00 6 14 30 1373.58 -11.12 343.04 348.21 122.53 6 37 24 773.6 -6.75 336.67
 110.00 16 42 43 4415.07 24.32 175.22 350.58 65.20 17 56 18 3815.1 20.77 167.87

DIFFERENTIAL CORRECTIONS

TDE .1542 TRA -2.2647 TC3 .4688 BAU .1138
 RDE -.2246 RRA -.0811 RC3 -.7833 FAU .17250
 FDE -2.0936 FRA -.8287 FC-16.0088 BSP 2433
 BDE .2724 BRA .2769 BC3 .9128 FSP -2866

MID-COURSE EXECUTION ACCURACY

SGT 645.5 SGR 655.7 SG3 920.5
 RRT -.4298 RRF .9410 RTF -.4581
 SGB 920.1 R23 -.4384 R13 .8348
 SG1 778.0 SG2 491.2 THA 133.95

ORBIT DETERMINATION ACCURACY

ST 326.0 SR 424.0 SS 1121.2
 CRT -.8321 CRS -.9991 CST .8256
 LSA 1229.2 MSA 179.0 SSA 15.7
 EL1 513.6 EL2 149.3 ALF 126.14

LAUNCH DATE JUN 18 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 340.195

RL 151.99 LAL -1.00 LOL 266.10 VL 26.956 GAL -2.79 AZL 92.30 HCA 151.23 SMA 130.15 ECC .17457 INC 2.3031 V1 29.312
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.920 GAP -2.26 AZP 87.98 TAL 193.43 TAP 344.66 RCA 107.43 APO 152.87 V2 35.088
 RC 80.046 GL -21.03 GP -14.37 ZAL 118.83 ZAP 66.38 ETS 6.11 ZAE 165.90 ETE 318.42 ZAC 96.93 ETC 12.64 CLP -65.57

PLANETOCENTRIC CONIC

C3 9.091 VHL 3.015 DLA -6.67 RAL 140.32 RAD 6567.3 VEL 11.423 PTH 1.98 VHP 3.169 DPA -6.80 RAP 168.02 ECC 1.1496
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 50 47 1835.03 -8.92 18.72 349.80 116.99 4 21 23 1235.0 -5.23 11.99
 90.00 14 8 47 4895.61 20.45 212.79 351.57 69.98 15 30 22 4295.6 17.54 205.33
 100.00 5 8 57 1582.88 -9.71 359.76 349.38 118.41 5 35 20 982.9 -5.84 353.11
 100.00 15 33 18 4622.99 21.28 192.40 351.24 68.50 16 50 21 4023.0 18.17 184.99
 110.00 6 9 55 1391.98 -11.79 344.04 348.14 122.32 6 33 7 792.0 -7.44 337.64
 110.00 16 48 49 4386.65 23.49 173.42 350.19 64.42 18 1 56 3786.6 19.85 166.17

DIFFERENTIAL CORRECTIONS

TDE .1067 TRA -2.798 TC3 .1437 BAU .1216
 RDE -.2294 RRA -.0851 RC3 -.9906 FAU .18287
 FDE -2.1062 FRA -.8470 FC-17.4151 BSP 2413
 BDE .2530 BRA .2925 BC3 1.0009 FSP -3067

MID-COURSE EXECUTION ACCURACY

SGT 579.0 SGR 757.2 SG3 981.1
 RRT -.1208 RRF .9632 RTF -.1299
 SGB 953.2 R23 -.1370 R13 .9535
 SG1 764.6 SG2 569.2 THA 101.99

ORBIT DETERMINATION ACCURACY

ST 258.7 SR 439.0 SS 1107.3
 CRT -.7096 CRS -.9993 CST .7019
 LSA 1205.1 MSA 181.9 SSA 14.9
 EL1 481.7 EL2 166.1 ALF 116.01

LAUNCH DATE JUN 18 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 346.632

RL 151.99 LAL -.00 LOL 266.10 VL 26.968 GAL -2.77 AZL 92.15 HCA 154.45 SMA 130.23 ECC .17375 INC 2.1485 V1 29.312
 RP 107.96 LAP -.93 LOP 60.56 VP 37.940 GAP -1.79 AZP 88.06 TAL 193.39 TAP 347.84 RCA 107.60 APO 152.86 V2 35.101
 RC 82.236 GL -19.86 GP -16.46 ZAL 119.06 ZAP 71.90 ETS 5.36 ZAE 166.45 ETE 299.45 ZAC 99.56 ETC 11.94 CLP -71.10

PLANETOCENTRIC CONIC

C3 8.836 VHL 2.973 DLA -5.57 RAL 140.73 RAD 6567.3 VEL 11.412 PTH 1.98 VHP 3.099 DPA -7.82 RAP 165.11 ECC 1.1454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 0 1864.32 -9.82 20.41 349.90 116.69 4 15 5 1264.3 -6.16 13.64
 90.00 14 18 48 4855.39 19.49 210.23 351.36 69.04 15 39 44 4255.4 16.47 202.86
 100.00 5 2 43 1610.44 -10.60 1.33 349.49 118.12 5 29 33 1010.4 -6.75 354.64
 100.00 15 42 47 4584.53 20.30 189.97 351.01 67.58 16 59 11 3984.5 17.09 182.65
 110.00 6 4 55 1415.64 -12.65 345.33 348.28 122.03 6 28 31 815.6 -8.32 338.90
 110.00 16 57 3 4352.07 22.46 171.27 349.96 63.53 18 9 36 3752.1 18.72 164.13

DIFFERENTIAL CORRECTIONS

TDE .0596 TRA -.2965 TC3 -.2412 BAU .1494
 RDE -.2331 RRA -.0880 RC3-1.2411 FAU .19054
 FDE-2.0492 FRA -.8253 FC-18.6684 BSP 2713
 BDE .2406 BRA .3093 BC3 1.2643 FSP -3222

MID-COURSE EXECUTION ACCURACY

SGT 602.9 SGR 880.6 SG3 1027.2
 RRT .2864 RRF .9778 RTF .2867
 SGB 1067.2 R23 .1875 R13 .9597
 SG1 908.6 SG2 559.9 THA 71.78

ORBIT DETERMINATION ACCURACY

ST 207.1 SR 452.8 SS 1069.0
 CRT -.4556 CRS -.9994 CST .4472
 LSA 1164.6 MSA 184.6 SSA 14.2
 EL1 464.4 EL2 179.8 ALF 103.90

LAUNCH DATE JUN 18 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 353.047

RL 151.99 LAL -.00 LOL 266.10 VL 26.976 GAL -2.74 AZL 91.95 HCA 157.67 SMA 130.28 ECC .17314 INC 1.9522 V1 29.312
 RP 107.92 LAP -.74 LOP 63.78 VP 37.957 GAP -1.33 AZP 88.19 TAL 193.27 TAP 350.94 RCA 107.73 APO 152.84 V2 35.113
 RC 84.440 GL -18.29 GP -18.99 ZAL 119.21 ZAP 77.49 ETS 4.34 ZAE 165.14 ETE 280.02 ZAC 102.34 ETC 10.96 CLP -76.75

PLANETOCENTRIC CONIC

C3 8.558 VHL 2.925 DLA -4.14 RAL 141.39 RAD 6567.3 VEL 11.399 PTH 1.97 VHP 3.065 DPA -9.23 RAP 161.95 ECC 1.1408
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 35 47 1903.28 -11.00 22.66 350.25 116.26 4 7 30 1303.3 -7.39 15.84
 90.00 14 32 17 4804.27 18.21 207.02 351.31 67.94 15 52 21 4204.3 15.06 199.77
 100.00 4 55 11 1647.13 -11.76 3.43 349.86 117.68 5 22 38 1047.1 -7.97 356.69
 100.00 15 55 33 4535.65 19.00 186.92 350.96 66.48 17 11 9 3935.6 15.66 179.72
 110.00 5 58 59 1447.40 -13.79 347.09 348.68 121.59 6 23 7 847.4 -9.51 340.60
 110.00 17 8 15 4308.14 21.10 168.58 349.90 62.46 18 20 3 3708.1 17.25 161.57

DIFFERENTIAL CORRECTIONS

TDE .0176 TRA -.3116 TC3 -.6833 BAU .1937
 RDE -.2342 RRA -.0891 RC3-1.5490 FAU .19461
 FDE-1.9057 FRA -.7599 FC-19.6869 BSP 3352
 BDE .2348 BRA .3241 BC3 1.6930 FSP -3324

MID-COURSE EXECUTION ACCURACY

SGT 731.8 SGR 1030.7 SG3 1054.1
 RRT .6014 RRF .9871 RTF .6037
 SGB 1264.0 R23 .2381 R13 .9580
 SG1 1150.4 SG2 523.8 THA 60.07

ORBIT DETERMINATION ACCURACY

ST 187.2 SR 462.4 SS 999.7
 CRT -.0678 CRS -.9994 CST .0602
 LSA 1101.5 MSA 186.8 SSA 13.6
 EL1 462.6 EL2 186.7 ALF 91.88

LAUNCH DATE JUN 18 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 359.441

RL 151.99 LAL -.00 LOL 266.10 VL 26.979 GAL -2.69 AZL 91.69 HCA 160.89 SMA 130.31 ECC .17273 INC 1.6936 V1 29.312
 RP 107.89 LAP -.55 LOP 67.00 VP 37.971 GAP -1.89 AZP 88.40 TAL 193.08 TAP 353.97 RCA 107.80 APO 152.82 V2 35.125
 RC 86.655 GL -16.10 GP -22.13 ZAL 119.31 ZAP 83.01 ETS 2.97 ZAE 161.89 ETE 264.91 ZAC 105.18 ETC 9.59 CLP -82.45

PLANETOCENTRIC CONIC

C3 8.250 VHL 2.872 DLA -2.16 RAL 142.37 RAD 6567.3 VEL 11.386 PTH 1.97 VHP 3.075 DPA -11.21 RAP 158.53 ECC 1.1358
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 24 58 1957.83 -12.63 25.84 350.95 115.56 3 57 36 1357.8 -9.08 18.95
 90.00 14 50 56 4735.91 16.41 202.81 351.50 66.60 16 9 52 4135.9 13.11 195.70
 100.00 4 45 18 1698.68 -13.38 6.40 350.57 116.98 5 13 37 1098.7 -9.65 359.59
 100.00 16 13 17 4470.29 17.18 182.92 351.14 65.15 17 27 48 3870.3 13.69 175.87
 110.00 5 51 14 1492.28 -15.37 349.60 349.44 120.91 6 16 7 892.3 -11.16 343.03
 110.00 17 23 51 4249.45 19.21 165.07 350.05 61.17 18 34 40 3649.5 15.22 158.23

DIFFERENTIAL CORRECTIONS

TDE -.0147 TRA -.3233 TC3-1.1923 BAU .2501
 RDE -.2275 RRA -.0852 RC3-1.9289 FAU .19329
 FDE-1.6404 FRA -.6293 FC-20.2847 BSP 4244
 BDE .2280 BRA .3343 BC3 2.2676 FSP -3321

MID-COURSE EXECUTION ACCURACY

SGT 941.5 SGR 1209.4 SG3 1051.3
 RRT .7746 RRF .9928 RTF .7758
 SGB 1532.7 R23 .2290 R13 .9661
 SG1 1450.0 SG2 496.6 THA 54.04

ORBIT DETERMINATION ACCURACY

ST 196.9 SR 457.9 SS 880.0
 CRT .2650 CRS -.9994 CST -.2703
 LSA 993.4 MSA 189.4 SSA 13.3
 EL1 461.4 EL2 188.4 ALF 82.19

LAUNCH DATE JUN 18 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 365.813

RL 151.99 LAL -.00 LOL 266.10 VL 26.979 GAL -2.63 AZL 91.33 HCA 164.11 SMA 130.30 ECC .17249 INC 1.3344 V1 29.312
 RP 107.85 LAP -.37 LOP 70.21 VP 37.981 GAP -1.45 AZP 88.72 TAL 192.82 TAP 356.93 RCA 107.83 APO 152.78 V2 35.137
 RC 88.880 GL -12.90 GP -26.17 ZAL 119.37 ZAP 88.33 ETS 1.10 ZAE 156.98 ETE 255.23 ZAC 107.99 ETC 7.65 CLP -88.13

PLANETOCENTRIC CONIC

C3 7.909 VHL 2.812 DLA .73 RAL 143.82 RAD 6567.3 VEL 11.371 PTH 1.96 VHP 3.142 DPA -14.07 RAP 154.81 ECC 1.1302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 9 19 2039.54 -14.97 30.69 352.22 114.32 3 43 19 1439.5 -11.56 23.67
 90.00 15 18 7 4638.55 13.69 196.96 352.05 64.97 16 35 25 4038.6 10.21 190.02
 100.00 4 31 0 1776.07 -15.72 10.96 351.86 115.76 5 0 36 1176.1 -12.13 4.01
 100.00 16 39 7 4377.25 14.43 177.38 351.68 63.54 17 52 4 3777.3 10.77 170.51
 110.00 5 40 1 1560.03 -17.70 353.47 350.77 119.73 6 6 1 960.0 -13.61 346.74
 110.00 17 46 35 4166.06 16.40 160.24 350.57 59.58 18 56 1 3566.1 12.24 153.60

DIFFERENTIAL CORRECTIONS

TDE -.0262 TRA -.3253 TC3-1.7650 BAU .3166
 RDE -.2068 RRA -.0742 RC3-2.4190 FAU .18592
 FDE-1.2436 FRA -.4446 FC-20.3513 BSP 5365
 BDE .2084 BRA .3337 BC3 2.9944 FSP -3223

MID-COURSE EXECUTION ACCURACY

SGT 1194.9 SGR 1432.3 SG3 1015.9
 RRT .8609 RRF .9962 RTF .8611
 SGB 1865.2 R23 .2049 R13 .9749
 SG1 1801.5 SG2 483.3 THA 50.98

ORBIT DETERMINATION ACCURACY

ST 208.0 SR 425.7 SS 698.0
 CRT .3695 CRS -.9993 CST -.3730
 LSA 821.3 MSA 192.2 SSA 13.7
 EL1 434.3 EL2 189.5 ALF 77.31

LAUNCH DATE JUN 18 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 372.166

RL 151.99 LAL -.00 LOL 266.10 VL 26.975 GAL -2.56 AZL 90.80 HCA 167.34 SMA 130.28 ECC .17242 INC .7960 V1 29.312
 RP 107.82 LAP -.17 LOP 73.44 VP 37.989 GAP -.03 AZP 89.22 TAL 192.48 TAP 359.82 RCA 107.82 APO 152.74 V2 35.149
 RC 91.113 GL -7.85 GP -31.65 ZAL 119.34 ZAP 93.18 ETS 358.49 ZAE 150.40 ETE 249.86 ZAC 110.62 ETC 4.83 CLP -93.73

PLANETOCENTRIC CONIC

C3 7.556 VHL 2.749 DLA 5.31 RAL 146.02 RAD 6567.2 VEL 11.356 PTH 1.96 VHP 3.298 DPA -18.32 RAP 150.61 ECC 1.1244
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 43 52 2173.91 -18.56 38.92 354.64 111.78 3 20 6 1573.9 -15.44 31.63
 90.00 16 1 7 4487.53 9.18 188.16 353.40 63.10 17 15 55 3887.5 5.50 181.42
 100.00 4 7 43 1903.47 -19.32 18.70 354.30 113.26 4 39 27 1303.5 -16.01 11.47
 100.00 17 19 58 4233.20 9.91 169.07 353.01 61.65 18 30 31 3633.2 6.05 162.42
 110.00 5 21 42 1671.93 -21.35 .10 353.28 117.36 5 49 34 1071.9 -17.51 353.07
 110.00 18 22 28 4037.51 11.84 153.07 351.86 57.70 19 29 45 3437.5 7.50 146.68

DIFFERENTIAL CORRECTIONS

TDE .0024 TRA -.3092 TC3-2.4010 BAU .3920
 RDE -.1512 RRA -.0460 RC3-3.0480 FAU .16945
 FDE -.6648 FRA -.1841 FC-19.4147 BSP 6648
 BDE .1512 BRA .3126 BC3 3.8801 FSP -2952

MID-COURSE EXECUTION ACCURACY

SGT 1470.1 SGR 1707.8 SG3 930.5
 RRT .9052 RRF .9982 RTF .9051
 SGB 2253.4 R23 .1795 R13 .9819
 SG1 2200.6 SG2 484.9 THA 49.72

ORBIT DETERMINATION ACCURACY

ST 198.2 SR 320.5 SS 406.6
 CRT .0949 CRS -.9976 CST -.0998
 LSA 517.9 MSA 197.1 SSA 17.4
 EL1 321.3 EL2 196.8 ALF 84.62

LAUNCH DATE JUN 18 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 378.493

RL 151.99 LAL -.00 LOL 266.10 VL 26.968 GAL -2.48 AZL 89.90 HCA 170.56 SMA 130.23 ECC .17249 INC .0865 V1 29.312
 RP 107.78 LAP .02 LOP 76.66 VP 37.994 GAP .39 AZP 90.10 TAL 192.07 TAP 2.63 RCA 107.77 APO 152.69 V2 35.160
 RC 93.352 GL .98 GP -39.57 ZAL 118.91 ZAP 97.12 ETS 354.73 ZAE 141.59 ETE 247.52 ZAC 112.79 ETC .58 CLP -99.25

PLANETOCENTRIC CONIC

C3 7.330 VHL 2.707 DLA 13.37 RAL 149.74 RAD 6567.2 VEL 11.346 PTH 1.96 VHP 3.633 DPA -24.88 RAP 145.44 ECC 1.1206
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 54 2431.81 -24.18 55.73 359.99 105.21 2 34 26 1831.8 -21.86 47.83
 90.00 17 20 46 4218.69 .64 173.02 357.10 61.69 18 31 4 3618.7 -3.15 166.39
 100.00 3 22 14 2146.94 -25.05 34.50 359.71 106.86 3 58 1 1546.9 -22.50 26.63
 100.00 18 35 7 3978.79 1.44 154.94 356.66 60.14 19 41 26 3378.8 -2.55 148.42
 110.00 4 46 11 1884.25 -27.34 13.67 358.83 111.36 5 17 35 1284.2 -24.19 5.91
 110.00 19 27 39 3814.25 3.49 141.18 355.38 55.97 20 31 13 3214.3 -1.00 134.97

DIFFERENTIAL CORRECTIONS

TDE .1142 TRA -.2581 TC3-3.0484 BAU .4785
 RDE -.0150 RRA .0170 RC3-3.8148 FAU .14116
 FDE .0920 FRA .1295 FC-16.6712 BSP 8181
 BDE .1152 BRA .2587 BC3 4.8831 FSP -2484

MID-COURSE EXECUTION ACCURACY

SGT 1760.2 SGR 2066.2 SG3 780.5
 RRT .9297 RRF .9992 RTF .9301
 SGB 2714.3 R23 .1534 R13 .9874
 SG1 2667.5 SG2 502.2 THA 49.91

ORBIT DETERMINATION ACCURACY

ST 298.8 SR 70.5 SS 108.0
 CRT -.3068 CRS -.4765 CST -.4498
 LSA 303.7 MSA 109.6 SSA 40.1
 EL1 299.6 EL2 66.9 ALF 175.64

LAUNCH DATE JUN 18 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 384.797

RL 151.99 LAL -.00 LOL 266.10 VL 26.958 GAL -2.39 AZL 88.09 HCA 173.78 SMA 130.16 ECC .17271 INC 1.9128 V1 29.312
 RP 107.75 LAP .21 LOP 79.88 VP 37.997 GAP .79 AZP 91.90 TAL 191.59 TAP 5.38 RCA 107.68 APO 152.64 V2 35.170
 RC 95.596 GL 18.39 GP -51.82 ZAL 116.33 ZAP 99.17 ETS 349.17 ZAE 128.92 ETE 246.99 ZAC 113.73 ETC 353.85 CLP -104.93

PLANETOCENTRIC CONIC

C3 8.135 VHL 2.852 DLA 29.22 RAL 157.58 RAD 6567.3 VEL 11.381 PTH 1.97 VHP 4.457 DPA -35.36 RAP 137.80 ECC 1.1339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.48 21 4 41 3544.64 -24.51 135.60 13.00 73.57 22 3 45 2944.6 -26.53 127.44
 97.52 23 8 39 3143.90 -24.50 106.20 13.00 73.56 24 1 3 2543.9 -26.52 98.04
 100.00 0 25 11 2911.15 -27.89 89.90 13.93 78.77 1 13 42 2311.1 -29.15 81.33
 100.00 22 34 46 3252.62 -21.21 113.01 11.77 68.43 23 28 58 2652.6 -23.95 105.29
 110.00 2 58 3 2432.37 -34.16 54.39 14.74 88.54 3 38 35 1832.4 -33.98 45.15
 110.00 22 18 24 3304.16 -15.55 113.96 8.83 59.17 23 13 28 2704.2 -19.52 107.10

DIFFERENTIAL CORRECTIONS

TDE .4518 TRA -.1139 TC3-3.2371 BAU .5715
 RDE .3511 RRA .1839 RC3-4.1389 FAU .09540
 FDE .9396 FRA .4705 FC-10.1527 BSP .9880
 BDE .5722 BRA .2163 BC3 5.2544 FSP -1705

MID-COURSE EXECUTION ACCURACY

SGT 2074.2 SGR 2500.2 SG3 534.6
 RRT .9428 RRF .9997 RTF .9448
 SGB 3248.6 R23 .1301 R13 .9912
 SG1 3203.4 SG2 539.9 THA 50.64

ORBIT DETERMINATION ACCURACY

ST 912.6 SR 720.1 SS 740.6
 CRT .9647 CRS -.9999 CST -.9669
 LSA 1366.7 MSA 178.7 SSA 3.7
 EL1 1152.8 EL2 150.1 ALF 38.04

LAUNCH DATE JUN 18 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 391.060

RL 151.99 LAL -.00 LOL 266.10 VL 26.945 GAL -2.28 AZL 82.41 HCA 176.99 SMA 130.07 ECC .17305 INC 7.5892 V1 29.312
 RP 107.72 LAP .40 LOP 83.11 VP 37.997 GAP 1.18 AZP 97.58 TAL 191.04 TAP 8.02 RCA 107.56 APO 152.58 V2 35.180
 RC 97.843 GL 50.89 GP -72.15 ZAL 105.36 ZAP 97.27 ETS 339.52 ZAE 108.79 ETE 244.63 ZAC 111.55 ETC 341.51 CLP -114.38

PLANETOCENTRIC CONIC

C3 21.013 VHL 4.584 DLA 56.36 RAL 183.16 RAD 6567.9 VEL 11.933 PTH 2.12 VHP 7.583 DPA -51.94 RAP 120.87 ECC 1.3458
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 39.00 19 13 34 4359.90 -35.55 211.83 64.78 42.92 20 26 14 3759.9 -41.20 205.02
 141.00 4 27 47 2736.53 -35.54 80.65 64.77 42.91 5 13 24 2136.5 -41.19 73.84
 39.00 19 13 34 4359.90 -35.55 211.83 64.78 42.92 20 26 14 3759.9 -41.20 205.02
 141.00 4 27 47 2736.53 -35.54 80.65 64.77 42.91 5 13 24 2136.5 -41.19 73.84
 39.00 19 13 34 4359.90 -35.55 211.83 64.78 42.92 20 26 14 3759.9 -41.20 205.02
 141.00 4 27 47 2736.53 -35.54 80.65 64.77 42.91 5 13 24 2136.5 -41.19 73.84

DIFFERENTIAL CORRECTIONS

TDE 1.6558 TRA .4773 TC3-1.3583 BAU .5991
 RDE 1.2357 RRA .7765 RC3-1.6442 FAU .03450
 FDE 1.1842 FRA .6844 FC3-1.4214 BSP 11076
 BDE 2.0660 BRA .9114 BC3 2.1327 FSP -667

MID-COURSE EXECUTION ACCURACY

SGT 2644.6 SGR 2779.6 SG3 216.4
 RRT .9468 RRF .9990 RTF .9585
 SGB 3836.7 R23 .1158 R13 .9931
 SG1 3785.4 SG2 624.7 THA 46.51

ORBIT DETERMINATION ACCURACY

ST 2095.0 SR 1632.0 SS 1016.5
 CRT .9850 CRS -.9997 CST -.9890
 LSA 2833.7 MSA 236.4 SSA 1.1
 EL1 2646.3 EL2 222.9 ALF 37.82

LAUNCH DATE JUN 18 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 397.785

RL 151.99 LAL -.00 LOL 266.10 VL 26.929 GAL -2.26 AZL 157.59 HCA 180.64 SMA 129.97 ECC .17387 INC67.5630 V1 29.312
 RP 107.69 LAP .59 LOP 86.34 VP 37.996 GAP 1.69 AZP 22.41 TAL 190.84 TAP 11.48 RCA 107.37 APO 152.56 V2 35.190
 RC 100.092 GL -52.51 GP 61.32 ZAL 92.19 ZAP 91.90 ETS 178.07 ZAE 58.66 ETE 268.06 ZAC 79.88 ETC 170.37 CLP 93.95

PLANETOCENTRIC CONIC

C3 982.877 VHL 3.351 DLA -44.13 RAL 147.21 RAD 6572.9 VEL 33.229 PTH 3.50 VHP 38.991 DPA 50.75 RAP 326.84 ECC17.1757
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.61 5 42 45 2251.58 -.26 56.58 57.46 134.13 6 20 17 1651.6 5.30 51.24
 125.39 13 11 46 868.63 -.24 309.81 57.48 134.13 13 26 15 268.6 5.32 304.48
 54.61 5 42 45 2251.58 -.26 56.58 57.46 134.13 6 20 17 1651.6 5.30 51.24
 125.39 13 11 46 868.63 -.24 309.81 57.48 134.13 13 26 15 268.6 5.32 304.48
 54.61 5 42 45 2251.58 -.26 56.58 57.46 134.13 6 20 17 1651.6 5.30 51.24
 125.39 13 11 46 868.63 -.24 309.81 57.48 134.13 13 26 15 268.6 5.32 304.48

DIFFERENTIAL CORRECTIONS

TDE 4.8752 TRA 2.3206 TC3 -.1063 BAU 3.7376
 RD-15.3624 RRA -.5254 RC3 .2638 FAU-.05990
 FDE-3.2956 FRA -.0783 FC3 .0528 BSP 7584
 BDE16.1175 BRA 2.3793 BC3 .2844 FSP 111

MID-COURSE EXECUTION ACCURACY

SGT 1260.0 SGR 3261.4 SG3 59.4
 RRT -.8964 RRF .9995 RTF -.8878
 SGB 3496.3 R23 -.0724 R13 .9970
 SG1 3456.4 SG2 527.1 THA 109.57

ORBIT DETERMINATION ACCURACY

ST 908.7 SR 2808.3 SS 2029.4
 CRT -.9835 CRS-1.0000 CST .9827
 LSA 3578.4 MSA 160.8 SSA 1.8
 EL1 2947.5 EL2 156.8 ALF 107.70

LAUNCH DATE JUN 18 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 403.700

RL 151.99 LAL -.00 LOL 266.10 VL 26.912 GAL -2.07 AZL 102.59 HCA 183.56 SMA 129.85 ECC .17424 INC12.5853 V1 29.312
 RP 107.66 LAP .78 LOP 89.57 VP 37.991 GAP 1.98 AZP 77.44 TAL 189.89 TAP 13.45 RCA 107.22 APO 152.47 V2 35.199
 RC 102.344 GL -60.92 GP 66.07 ZAL 99.54 ZAP 102.74 ETS 33.85 ZAE 107.54 ETE 127.65 ZAC 87.96 ETC 34.96 CLP-122.92

PLANETOCENTRIC CONIC

C3 44.968 VHL 6.706 DLA -46.36 RAL 130.10 RAD 6568.7 VEL 12.897 PTH 2.35 VHP 6.683 DPA 70.29 RAP 212.12 ECC 1.7401
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.63 4 23 17 1814.42 22.13 38.13 17.26 131.84 4 53 31 1214.4 27.32 31.85
 128.37 12 14 43 5661.36 22.14 263.89 17.28 131.83 13 49 5 5061.4 27.34 257.61
 51.63 4 23 17 1814.42 22.13 38.13 17.26 131.84 4 53 31 1214.4 27.32 31.85
 128.37 12 14 43 5661.36 22.14 263.89 17.28 131.83 13 49 5 5061.4 27.34 257.61
 51.63 4 23 17 1814.42 22.13 38.13 17.26 131.84 4 53 31 1214.4 27.32 31.85
 128.37 12 14 43 5661.36 22.14 263.89 17.28 131.83 13 49 5 5061.4 27.34 257.61

DIFFERENTIAL CORRECTIONS

TDE-2.7710 TRA-1.4105 TC3 -.6963 BAU .5154
 RDE 2.6208 RRA .5349 RC3 .5003 FAU .03752
 FDE-3.3159 FRA -.8791 FC3 -.7223 BSP 11973
 BDE 3.8140 BRA 1.5085 BC3 .8574 FSP -852

MID-COURSE EXECUTION ACCURACY

SGT 3086.5 SGR 2429.6 SG3 275.3
 RRT -.9447 RRF -.9967 RTF .9674
 SGB 3928.0 R23 .1285 R13 -.9915
 SG1 3876.5 SG2 634.2 THA 142.17

ORBIT DETERMINATION ACCURACY

ST 2425.0 SR 2248.1 SS 1646.7
 CRT -.9917 CRS .9997 CST -.9947
 LSA 3687.4 MSA 222.3 SSA 1.1
 EL1 3299.9 EL2 213.0 ALF 137.19

LAUNCH DATE JUN 18 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 409.911

RL 151.99 LAL -.00 LOL 266.10 VL 26.892 GAL -1.93 AZL 98.17 HCA 186.77 SMA 129.71 ECC .17496 INC 8.1676 V1 29.312
 RP 107.63 LAP .96 LOP 92.80 VP 37.985 GAP 2.36 AZP 81.89 TAL 189.17 TAP 15.94 RCA 107.02 APO 152.40 V2 35.208
 RC 104.596 GL -52.76 GP 45.85 ZAL 102.59 ZAP 112.43 ETS 26.66 ZAE 124.29 ETE 130.98 ZAC 96.74 ETC 29.98 CLP-123.21

PLANETOCENTRIC CONIC

C3 23.007 VHL 4.797 DLA -38.95 RAL 134.84 RAD 6567.9 VEL 12.016 PTH 2.14 VHP 4.478 DPA 56.04 RAP 178.65 ECC 1.3786
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.06 5 25 36 1528.70 25.28 15.52 9.07 120.68 5 51 4 928.7 29.15 8.06
 117.94 11 50 13 5611.57 25.29 262.05 9.08 120.67 13 23 44 5011.6 29.16 254.59
 62.06 5 25 36 1528.70 25.28 15.52 9.07 120.68 5 51 4 928.7 29.15 8.06
 117.94 11 50 13 5611.57 25.29 262.05 9.08 120.67 13 23 44 5011.6 29.16 254.59
 62.06 5 25 36 1528.70 25.28 15.52 9.07 120.68 5 51 4 928.7 29.15 8.06
 117.94 11 50 13 5611.57 25.29 262.05 9.08 120.67 13 23 44 5011.6 29.16 254.59

DIFFERENTIAL CORRECTIONS

TDE-1.9195 TRA-1.0190 TC3-1.6493 BAU .5867
 RDE 1.4051 RRA .2851 RC3 .9580 FAU .08790
 FDE-4.4209 FRA-1.0503 FC3-3.3077 BSP 11669
 BDE 2.3788 BRA 1.0581 BC3 1.9074 FSP -1769

MID-COURSE EXECUTION ACCURACY

SGT 3195.3 SGR 1963.1 SG3 550.2
 RRT -.9546 RRF -.9988 RTF .9658
 SGB 3750.2 R23 .1787 R13 -.9835
 SG1 3716.3 SG2 502.7 THA 148.98

ORBIT DETERMINATION ACCURACY

ST 2340.9 SR 1683.8 SS 2052.0
 CRT -.9923 CRS .9999 CST -.9939
 LSA 3533.3 MSA 204.2 SSA 1.6
 EL1 2878.6 EL2 169.2 ALF 144.34

LAUNCH DATE JUN 18 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 416.124

RL 151.99 LAL -.00 LOL 266.10 VL 26.870 GAL -1.78 AZL 96.59 HCA 190.01 SMA 129.56 ECC .17580 INC 6.5901 V1 29.312
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.978 GAP 2.72 AZP 83.51 TAL 188.40 TAP 18.41 RCA 106.79 APO 152.34 V2 35.216
 RC 106.849 GL -47.68 GP 33.53 ZAL 103.52 ZAP 119.46 ETS 23.18 ZAE 132.43 ETE 139.51 ZAC 102.24 ETC 27.65 CLP-126.16

PLANETOCENTRIC CONIC

C3 17.380 VHL 4.169 DLA -34.64 RAL 138.27 RAD 6567.7 VEL 11.780 PTH 2.08 VHP 3.947 DPA 45.43 RAP 168.67 ECC 1.2860
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.16 6 16 56 1350.77 24.71 .82 6.50 115.09 6 39 27 750.8 27.87 353.04
 110.84 11 26 14 5656.07 24.72 265.30 6.51 115.08 13 0 30 5056.1 27.88 257.52
 69.16 6 16 56 1350.77 24.71 .82 6.50 115.09 6 39 27 750.8 27.87 353.04
 110.84 11 26 14 5656.07 24.72 265.30 6.51 115.08 13 0 30 5056.1 27.88 257.52
 69.16 6 16 56 1350.77 24.71 .82 6.50 115.09 6 39 27 750.8 27.87 353.04
 110.84 11 26 14 5656.07 24.72 265.30 6.51 115.08 13 0 30 5056.1 27.88 257.52

DIFFERENTIAL CORRECTIONS

TDE-1.6741 TRA -.8522 TC3-2.3548 BAU .5868
 RDE .8533 RRA .1298 RC3 .9128 FAU .11009
 FDE-4.4928 FRA -.8278 FC3-5.4840 BSP 10850
 BDE 1.8790 BRA .8620 BC3 2.5255 FSP -2062

MID-COURSE EXECUTION ACCURACY

SGT 3342.9 SGR 1414.7 SG3 674.5
 RRT -.9517 RRF -.9979 RTF .9638
 SGB 3629.9 R23 .2184 R13 -.9747
 SG1 3607.6 SG2 402.4 THA 157.77

ORBIT DETERMINATION ACCURACY

ST 2340.8 SR 1174.7 SS 2110.9
 CRT -.9918 CRS .9999 CST -.9932
 LSA 3357.8 MSA 200.7 SSA 2.4
 EL1 2615.6 EL2 134.4 ALF 153.46

LAUNCH DATE JUN 18 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 422.317

RL 151.99 LAL -0.00 LOL 266.10 VL 26.847 GAL -1.62 AZL 95.78 HCA 193.24 SMA 129.40 ECC .17677 INC 5.7775 V1 29.312
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.968 GAP 3.09 AZP 84.37 TAL 187.60 TAP 20.84 RCA 106.53 APO 152.28 V2 35.223
 RC 109.101 GL -44.36 GP 25.73 ZAL 103.47 ZAP 124.79 ETS 20.65 ZAE 135.99 ETE 147.60 ZAC 105.52 ETC 25.74 CLP-129.29

PLANETOCENTRIC CONIC

C3 14.932 VHL 3.864 DLA -32.05 RAL 140.98 RAD 6567.6 VEL 11.675 PTH 2.05 VHP 3.806 DPA 38.40 RAP 164.12 ECC 1.2457
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.32 7 0 14 1216.31 23.86 350.03 6.00 112.05 7 20 30 616.3 26.64 342.15
 105.68 11 4 36 5721.46 23.88 269.95 6.01 112.04 12 39 58 5121.5 26.65 262.07
 74.32 7 0 14 1216.31 23.86 350.03 6.00 112.05 7 20 30 616.3 26.64 342.15
 105.68 11 4 36 5721.46 23.88 269.95 6.01 112.04 12 39 58 5121.5 26.65 262.07
 110.00 10 1 2 630.60 16.57 303.33 2.19 120.33 10 11 32 30.6 20.48 296.38
 110.00 13 2 59 5355.16 31.61 244.62 8.83 103.76 14 32 14 4755.2 33.17 235.75

DIFFERENTIAL CORRECTIONS

TDE-1.5999 TRA -.7732 TC3-2.9759 BAU .6145
 RDE .5908 RRA .0709 RC3 .7866 FAU .12102
 FDE-4.3220 FRA -.6456 FC3-7.0166 BSP 11348
 BDE 1.7055 BRA .7764 BC3 3.0781 FSP -2303

MID-COURSE EXECUTION ACCURACY

SGT 3570.2 SGR 1073.5 SG3 731.8
 RRT -.9508 RRF -.9953 RTF .9656
 SGB 3728.1 R23 .2253 R13 -.9715
 SG1 3714.3 SG2 319.7 THA 163.92

ORBIT DETERMINATION ACCURACY

ST 2407.6 SR 877.0 SS 2111.0
 CRT -.9919 CRS .9999 CST -.9932
 LSA 3314.2 MSA 195.9 SSA 3.4
 EL1 2560.2 EL2 104.6 ALF 160.10

LAUNCH DATE JUN 18 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 428.494

RL 151.99 LAL -0.00 LOL 266.10 VL 26.822 GAL -1.45 AZL 95.28 HCA 196.48 SMA 129.23 ECC .17786 INC 5.2798 V1 29.312
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.956 GAP 3.45 AZP 84.94 TAL 186.75 TAP 23.23 RCA 106.25 APO 152.22 V2 35.230
 RC 111.351 GL -42.02 GP 20.52 ZAL 102.86 ZAP 129.09 ETS 18.73 ZAE 137.23 ETE 154.17 ZAC 107.45 ETC 24.15 CLP-132.31

PLANETOCENTRIC CONIC

C3 13.586 VHL 3.686 DLA -30.44 RAL 143.38 RAD 6567.5 VEL 11.618 PTH 2.04 VHP 3.804 DPA 33.55 RAP 161.73 ECC 1.2236
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.34 7 38 5 1106.32 23.22 341.46 6.47 110.26 7 56 32 506.3 25.77 333.54
 101.66 10 45 52 5789.71 23.23 274.82 6.47 110.24 12 22 22 5189.7 25.78 266.90
 78.34 7 38 5 1106.32 23.22 341.46 6.47 110.26 7 56 32 506.3 25.77 333.54
 101.66 10 45 52 5789.71 23.23 274.82 6.47 110.24 12 22 22 5189.7 25.78 266.90
 110.00 9 41 32 704.21 14.00 307.48 1.76 121.51 9 53 16 104.2 18.07 300.73
 110.00 13 41 36 5239.82 33.15 235.98 9.39 98.86 15 8 56 4639.8 34.02 226.85

DIFFERENTIAL CORRECTIONS

TDE-1.5771 TRA -.7066 TC3-3.4884 BAU .6437
 RDE .4385 RRA .0376 RC3 .6266 FAU .12224
 FDE-4.0312 FRA -.4364 FC3-7.7893 BSP 11847
 BDE 1.6370 BRA .7076 BC3 3.5442 FSP -2343

MID-COURSE EXECUTION ACCURACY

SGT 3774.4 SGR 826.3 SG3 737.5
 RRT -.9445 RRF -.9894 RTF .9663
 SGB 3863.8 R23 .2196 R13 -.9695
 SG1 3854.6 SG2 265.8 THA 168.26

ORBIT DETERMINATION ACCURACY

ST 2482.4 SR 682.1 SS 2061.5
 CRT -.9922 CRS .9999 CST -.9932
 LSA 3292.5 MSA 192.5 SSA 4.4
 EL1 2573.1 EL2 82.2 ALF 164.73

LAUNCH DATE JUN 18 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 434.654

RL 151.99 LAL -0.00 LOL 266.10 VL 26.795 GAL -1.27 AZL 94.94 HCA 199.72 SMA 129.06 ECC .17907 INC 4.9418 V1 29.312
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.943 GAP 3.81 AZP 85.35 TAL 185.85 TAP 25.58 RCA 105.95 APO 152.17 V2 35.236
 RC 113.598 GL -40.27 GP 16.85 ZAL 101.88 ZAP 132.74 ETS 17.23 ZAE 137.35 ETE 159.25 ZAC 108.50 ETC 22.83 CLP-135.16

PLANETOCENTRIC CONIC

C3 12.745 VHL 3.570 DLA -29.44 RAL 145.64 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 3.863 DPA 30.03 RAP 160.45 ECC 1.2097
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.61 8 12 0 1013.07 22.80 334.36 7.48 109.14 8 28 53 413.1 25.20 326.42
 98.39 10 30 0 5855.32 22.81 279.54 7.48 109.13 12 7 36 5255.3 25.21 271.60
 100.00 9 58 28 668.29 19.67 307.82 6.19 112.97 10 9 36 68.3 22.61 300.26
 100.00 11 26 13 5675.34 26.01 267.29 8.57 105.28 13 0 49 5075.3 27.85 258.97
 110.00 9 35 42 740.00 12.72 309.46 2.43 122.00 9 48 2 140.0 16.85 302.80
 110.00 14 5 28 5176.39 33.71 231.12 10.24 96.04 15 31 45 4576.4 34.18 221.91

DIFFERENTIAL CORRECTIONS

TDE-1.5788 TRA -.6407 TC3-3.9163 BAU .6721
 RDE .3441 RRA .0189 RC3 .4739 FAU .11853
 FDE-3.7233 FRA -.2318 FC3-8.0518 BSP 12300
 BDE 1.6159 BRA .6410 BC3 3.9449 FSP -2280

MID-COURSE EXECUTION ACCURACY

SGT 3953.9 SGR 648.7 SG3 717.4
 RRT -.9306 RRF -.9767 RTF .9662
 SGB 4006.8 R23 .2031 R13 -.9681
 SG1 3999.9 SG2 234.7 THA 171.29

ORBIT DETERMINATION ACCURACY

ST 2559.9 SR 552.5 SS 1995.7
 CRT -.9927 CRS .9999 CST -.9931
 LSA 3287.2 MSA 189.3 SSA 5.5
 EL1 2618.0 EL2 65.1 ALF 167.90

LAUNCH DATE JUN 18 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 440.796

RL 151.99 LAL -0.00 LOL 266.10 VL 26.767 GAL -1.08 AZL 94.70 HCA 202.97 SMA 128.87 ECC .18039 INC 4.6959 V1 29.312
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.929 GAP 4.16 AZP 85.67 TAL 184.92 TAP 27.89 RCA 105.62 APO 152.12 V2 35.241
 RC 115.842 GL -38.89 GP 14.16 ZAL 100.64 ZAP 135.94 ETS 16.04 ZAE 136.92 ETE 163.12 ZAC 108.96 ETC 21.70 CLP-137.83

PLANETOCENTRIC CONIC

C3 12.180 VHL 3.490 DLA -28.83 RAL 147.86 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 3.955 DPA 27.33 RAP 159.87 ECC 1.2005
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.35 8 42 49 932.81 22.55 328.35 8.86 108.45 8 58 21 332.8 24.86 320.40
 95.65 10 16 55 628.25 22.56 306.04 8.86 108.43 10 27 23 28.3 24.87 298.09
 100.00 9 44 18 733.22 17.90 311.83 6.92 114.35 9 56 32 133.2 21.03 304.44
 100.00 11 58 6 5591.12 27.38 261.41 10.33 102.48 13 31 17 4991.1 28.83 252.90
 110.00 9 36 23 758.14 12.06 310.46 3.67 122.23 9 49 1 158.1 16.23 303.83
 110.00 14 22 31 5138.95 33.94 228.22 11.46 94.34 15 48 10 4539.0 34.17 218.98

DIFFERENTIAL CORRECTIONS

TDE-1.5987 TRA -.5759 TC3-4.2922 BAU .7012
 RDE .2840 RRA .0099 RC3 .3430 FAU .11313
 FDE-3.4471 FRA -.0567 FC3-8.0411 BSP 12811
 BDE 1.6237 BRA .5760 BC3 4.3059 FSP -2196

MID-COURSE EXECUTION ACCURACY

SGT 4126.6 SGR 524.4 SG3 688.7
 RRT -.9061 RRF -.9531 RTF .9662
 SGB 4159.8 R23 .1774 R13 -.9673
 SG1 4153.9 SG2 220.4 THA 173.41

ORBIT DETERMINATION ACCURACY

ST 2645.9 SR 466.3 SS 1934.8
 CRT -.9937 CRS .9999 CST -.9931
 LSA 3305.6 MSA 185.7 SSA 6.6
 EL1 2686.2 EL2 51.5 ALF 170.06

LAUNCH DATE JUN 18 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 446.920

RL 151.99 LAL -.00 LOL 266.10 VL 26.738 GAL -.88 AZL 94.51 HCA 206.21 SMA 128.67 ECC .18184 INC 4.5079 V1 29.312
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.912 GAP 4.51 AZP 85.95 TAL 183.95 TAP 30.16 RCA 105.28 APO 152.07 V2 35.246
 RC 118.080 GL -37.74 GP 12.12 ZAL 99.20 ZAP 138.80 ETS 15.08 ZAE 136.23 ETE 166.10 ZAC 108.98 ETC 20.73 CLP-140.32

PLANETOCENTRIC CONIC

C3 11.789 VHL 3.433 DLA -28.50 RAL 150.10 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 4.067 DPA 25.17 RAP 159.78 ECC 1.1940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.67 9 10 49 864.24 22.45 323.28 10.52 108.03 9 25 13 264.2 24.70 315.32
 93.33 10 6 44 683.05 22.46 310.02 10.53 108.02 10 18 7 83.1 24.71 302.06
 100.00 9 43 31 758.09 17.19 313.34 8.33 114.84 9 56 9 158.1 20.40 306.01
 100.00 12 16 43 5552.48 27.92 258.66 12.10 101.13 13 49 16 4952.5 29.17 250.08
 110.00 9 41 1 765.92 11.78 310.88 5.29 122.32 9 53 47 165.9 15.96 304.27
 110.00 14 35 42 5117.42 34.04 226.54 13.00 93.35 16 1 0 4517.4 34.13 217.30

DIFFERENTIAL CORRECTIONS

TDE-1.6288 TRA -.5063 TC3-4.6203 BAU .7291
 RDE .2440 RRA .0059 RC3 .2318 FAU .10686
 FDE-3.1983 FRA .1024 FC3-7.8479 BSP 13305
 BDE 1.6470 BRA .5063 BC3 4.6262 FSP -2095

MID-COURSE EXECUTION ACCURACY

SGT 4287.0 SGR 437.4 SG3 655.5
 RRT -.8655 RRF -.9128 RTF .9659
 SGB 4309.3 R23 .1490 R13 -.9666
 SG1 4303.8 SG2 218.3 THA 174.94

ORBIT DETERMINATION ACCURACY

ST 2735.0 SR 407.3 SS 1876.5
 CRT -.9950 CRS .9996 CST -.9932
 LSA 3336.8 MSA 182.1 SSA 7.7
 EL1 2764.9 EL2 40.3 ALF 171.57

LAUNCH DATE JUN 18 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 453.025

RL 151.99 LAL -.00 LOL 266.10 VL 26.708 GAL -.66 AZL 94.36 HCA 209.46 SMA 128.47 ECC .18341 INC 4.3588 V1 29.312
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.895 GAP 4.86 AZP 86.20 TAL 182.94 TAP 32.40 RCA 104.91 APO 152.04 V2 35.250
 RC 120.312 GL -36.73 GP 10.53 ZAL 97.58 ZAP 141.41 ETS 14.29 ZAE 135.45 ETE 168.40 ZAC 108.67 ETC 19.88 CLP-142.65

PLANETOCENTRIC CONIC

C3 11.517 VHL 3.394 DLA -28.36 RAL 152.38 RAD 6567.4 VEL 11.528 PTH 2.01 VHP 4.193 DPA 23.36 RAP 160.04 ECC 1.1895
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 88.39 9 34 13 813.01 22.44 319.53 12.42 107.80 9 47 46 213.0 24.67 311.56
 91.61 10 1 31 724.54 22.46 313.06 12.43 107.79 10 13 36 124.5 24.68 305.09
 100.00 9 48 58 765.18 16.99 313.76 10.16 114.97 10 1 43 165.2 20.21 306.46
 100.00 12 29 28 5535.64 28.14 257.46 14.01 100.53 14 1 43 4935.6 29.30 248.85
 110.00 9 48 24 766.96 11.74 310.94 7.20 122.34 10 1 11 167.0 15.92 304.33
 110.00 14 46 31 5106.63 34.08 225.70 14.83 92.85 16 11 38 4506.6 34.10 216.46

DIFFERENTIAL CORRECTIONS

TDE-1.6678 TRA -.4334 TC3-4.9121 BAU .7566
 RDE .2175 RRA .0057 RC3 .1393 FAU .10055
 FDE-2.9819 FRA .2373 FC3-7.5584 BSP 13823
 BDE 1.6819 BRA .4334 BC3 4.9140 FSP -1998

MID-COURSE EXECUTION ACCURACY

SGT 4442.4 SGR 379.3 SG3 622.3
 RRT -.8061 RRF -.8524 RTF .9658
 SGB 4458.6 R23 .1215 R13 -.9662
 SG1 4453.0 SG2 223.9 THA 176.05

ORBIT DETERMINATION ACCURACY

ST 2828.5 SR 367.2 SS 1825.2
 CRT -.9965 CRS .9991 CST -.9933
 LSA 3381.6 MSA 177.8 SSA 8.8
 EL1 2852.1 EL2 30.6 ALF 172.63

LAUNCH DATE JUN 18 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 459.112

RL 151.99 LAL -.00 LOL 266.10 VL 26.677 GAL -.43 AZL 94.24 HCA 212.70 SMA 128.27 ECC .18511 INC 4.2368 V1 29.312
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.876 GAP 5.21 AZP 86.43 TAL 181.90 TAP 34.60 RCA 104.52 APO 152.01 V2 35.253
 RC 122.538 GL -35.83 GP 9.26 ZAL 95.81 ZAP 143.79 ETS 13.62 ZAE 134.65 ETE 170.21 ZAC 108.08 ETC 19.12 CLP-144.84

PLANETOCENTRIC CONIC

C3 11.336 VHL 3.367 DLA -28.37 RAL 154.72 RAD 6567.4 VEL 11.521 PTH 2.01 VHP 4.327 DPA 21.79 RAP 160.58 ECC 1.1866
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 88.27 9 42 35 812.96 22.52 319.55 14.54 107.72 9 56 8 213.0 24.73 311.58
 91.73 10 11 52 718.01 22.53 312.61 14.54 107.70 10 23 50 118.0 24.74 304.63
 100.00 9 58 29 761.35 17.10 313.53 12.29 114.90 10 11 10 161.3 20.31 306.22
 100.00 12 38 39 5532.90 28.17 257.26 16.11 100.43 14 10 52 4932.9 29.32 248.64
 110.00 9 57 50 763.40 11.87 310.74 9.35 122.29 10 10 33 163.4 16.05 304.13
 110.00 14 55 48 5103.61 34.09 225.47 16.90 92.71 16 20 51 4503.6 34.09 216.22

DIFFERENTIAL CORRECTIONS

TDE-1.7144 TRA -.3540 TC3-5.1647 BAU .7828
 RDE .2001 RRA .0076 RC3 .0619 FAU .09422
 FDE-2.7961 FRA .3584 FC3-7.1956 BSP 14298
 BDE 1.7260 BRA .3541 BC3 5.1651 FSP -1894

MID-COURSE EXECUTION ACCURACY

SGT 4590.8 SGR 343.4 SG3 589.8
 RRT -.7285 RRF -.7731 RTF .9655
 SGB 4603.6 R23 .0989 R13 -.9658
 SG1 4597.6 SG2 234.9 THA 176.87

ORBIT DETERMINATION ACCURACY

ST 2926.5 SR 340.5 SS 1781.6
 CRT -.9978 CRS .9980 CST -.9935
 LSA 3438.6 MSA 173.6 SSA 10.0
 EL1 2946.2 EL2 22.2 ALF 173.38

LAUNCH DATE JUN 18 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 465.179

RL 151.99 LAL -.00 LOL 266.10 VL 26.645 GAL -.19 AZL 94.13 HCA 215.95 SMA 128.06 ECC .18695 INC 4.1346 V1 29.312
 RP 107.49 LAP 2.43 LOP 121.98 VP 37.856 GAP 5.56 AZP 86.65 TAL 180.83 TAP 36.78 RCA 104.12 APO 152.00 V2 35.256
 RC 124.755 GL -34.98 GP 8.24 ZAL 93.91 ZAP 146.00 ETS 13.07 ZAE 133.87 ETE 171.66 ZAC 107.28 ETC 18.44 CLP-146.89

PLANETOCENTRIC CONIC

C3 11.230 VHL 3.351 DLA -28.48 RAL 157.14 RAD 6567.4 VEL 11.516 PTH 2.01 VHP 4.470 DPA 20.40 RAP 161.34 ECC 1.1848
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.86 9 40 28 849.11 22.64 322.24 16.85 107.74 9 54 37 249.1 24.86 314.26
 93.14 10 33 17 677.99 22.65 309.72 16.86 107.73 10 44 35 78.0 24.87 301.74
 100.00 10 11 5 749.73 17.43 312.83 14.70 114.68 10 23 35 149.7 20.61 305.48
 100.00 12 45 22 5540.64 28.07 257.81 18.38 100.71 14 17 42 4940.6 29.27 249.21
 110.00 10 8 53 756.66 12.11 310.38 11.72 122.21 10 21 29 156.7 16.28 303.75
 110.00 15 4 3 5106.47 34.08 225.69 19.21 92.85 16 29 10 4506.5 34.10 216.45

DIFFERENTIAL CORRECTIONS

TDE-1.7638 TRA -.2693 TC3-5.3905 BAU .8093
 RDE .1887 RRA .0111 RC3 -.0007 FAU .08855
 FDE-2.6247 FRA .4623 FC3-6.8265 BSP 14931
 BDE 1.7738 BRA .2695 BC3 5.3905 FSP -1838

MID-COURSE EXECUTION ACCURACY

SGT 4735.0 SGR 323.3 SG3 559.1
 RRT -.6417 RRF -.6816 RTF .9657
 SGB 4746.1 R23 .0785 R13 -.9659
 SG1 4739.6 SG2 247.7 THA 177.48

ORBIT DETERMINATION ACCURACY

ST 3021.6 SR 322.7 SS 1737.0
 CRT -.9988 CRS .9963 CST -.9937
 LSA 3496.1 MSA 168.8 SSA 11.1
 EL1 3038.7 EL2 15.4 ALF 173.91

LAUNCH DATE JUN 18 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 471.228

RL 151.99 LAL -0.00 LOL 266.10 VL 26.612 GAL .06 AZL 94.05 HCA 219.20 SMA 127.84 ECC .18892 INC 4.0473 V1 29.312
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.834 GAP 5.91 AZP 86.86 TAL 179.73 TAP 38.92 RCA 103.69 APO 151.99 V2 35.258
 RC 126.964 GL -34.16 GP 7.39 ZAL 91.89 ZAP 148.05 ETS 12.60 ZAE 133.12 ETE 172.83 ZAC 106.29 ETC 17.82 CLP-148.82

PLANETOCENTRIC CONIC

C3 11.191 VHL 3.345 DLA -28.66 RAL 159.65 RAD 6567.4 VEL 11.514 PTH 2.01 VHP 4.619 DPA 19.13 RAP 162.29 ECC 1.1842
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.36 9 38 3 888.55 22.80 325.19 19.36 107.85 9 52 51 288.6 25.03 317.20
 94.64 10 55 42 637.09 22.81 306.78 19.36 107.84 11 6 19 37.1 25.04 298.79
 100.00 10 26 21 731.74 17.94 311.74 17.36 114.32 10 38 32 131.7 21.07 304.34
 100.00 12 50 5 5557.17 27.86 259.00 20.81 101.30 14 22 42 4957.2 29.13 250.42
 110.00 10 21 16 747.74 12.44 309.89 14.30 122.10 10 33 43 147.7 16.59 303.24
 110.00 15 11 39 5113.94 34.05 226.27 21.73 93.19 16 36 53 4513.9 34.12 217.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7970 TRA -.1618 TC3-5.5515 BAU .8306 SGT 4834.0 SGR 311.9 SG3 523.4 ST 3081.2 SR 308.6 SS 1662.8
 RDE .1801 RRA .0142 RC3 -.0546 FAU .08231 RRT -.5455 RRF -.5785 RTF .9643 CRT -.9992 CRS .9934 CST -.9936
 FDE-2.4234 FRA .5876 FC3-6.3674 BSP 14934 SGB 4844.1 R23 .0608 R13 -.9644 LSA 3510.9 MSA 166.1 SSA 12.1
 BDE 1.8060 BRA .1625 BC3 5.5518 FSP -1653 SGI 4837.0 SG2 261.2 THA 177.98 EL1 3096.6 EL2 12.3 ALF 174.28

LAUNCH DATE JUN 18 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 477.256

RL 151.99 LAL -0.00 LOL 266.10 VL 26.579 GAL .33 AZL 93.97 HCA 222.44 SMA 127.62 ECC .19104 INC 3.9713 V1 29.312
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.812 GAP 6.26 AZP .87.07 TAL 178.60 TAP 41.04 RCA 103.24 APO 152.00 V2 35.259
 RC 129.165 GL -33.35 GP 6.69 ZAL 89.76 ZAP 149.96 ETS 12.21 ZAE 132.43 ETE 173.78 ZAC 105.15 ETC 17.25 CLP-150.65

PLANETOCENTRIC CONIC

C3 11.214 VHL 3.349 DLA -28.90 RAL 162.24 RAD 6567.4 VEL 11.515 PTH 2.01 VHP 4.773 DPA 17.94 RAP 163.39 ECC 1.1845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.95 9 36 54 925.99 22.98 328.00 22.04 108.03 9 52 20 326.0 25.23 320.01
 96.05 11 17 30 600.50 22.99 304.15 22.05 108.02 11 27 30 .5 25.24 296.15
 100.00 10 44 1 708.18 18.59 310.29 20.25 113.84 10 55 50 108.2 21.66 302.84
 100.00 12 53 3 5581.58 27.52 260.73 23.40 102.15 14 26 5 4981.6 28.92 252.21
 110.00 10 34 42 737.52 12.80 309.33 17.07 121.97 10 46 59 137.5 16.94 302.65
 110.00 15 18 52 5125.01 34.01 227.14 24.45 93.70 16 44 17 4525.0 34.14 217.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8616 TRA -.0625 TC3-5.6761 BAU .8511 SGT 4961.0 SGR 314.2 SG3 496.0 ST 3187.5 SR 305.1 SS 1640.5
 RDE .1782 RRA .0193 RC3 -.0984 FAU .07637 RRT -.4654 RRF -.4974 RTF .9641 CRT -.9988 CRS .9901 CST -.9939
 FDE-2.3127 FRA .6672 FC3-5.8958 BSP 15467 SGB 4971.0 R23 .0535 R13 -.9642 LSA 3594.2 MSA 161.1 SSA 13.2
 BDE 1.8701 BRA .0654 BC3 5.6769 FSP -1590 SGI 4963.2 SG2 278.0 THA 178.31 EL1 3202.0 EL2 15.0 ALF 174.54

LAUNCH DATE JUN 18 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 483.264

RL 151.99 LAL -0.00 LOL 266.10 VL 26.545 GAL .61 AZL 93.90 HCA 225.69 SMA 127.40 ECC .19332 INC 3.9042 V1 29.312
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.788 GAP 6.61 AZP 87.27 TAL 177.44 TAP 43.14 RCA 102.77 APO 152.03 V2 35.259
 RC 131.355 GL -32.53 GP 6.09 ZAL 87.55 ZAP 151.76 ETS 11.88 ZAE 131.79 ETE 174.56 ZAC 103.86 ETC 16.73 CLP-152.37

PLANETOCENTRIC CONIC

C3 11.298 VHL 3.361 DLA -29.18 RAL 164.91 RAD 6567.4 VEL 11.519 PTH 2.01 VHP 4.933 DPA 16.81 RAP 164.62 ECC 1.1859
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.66 9 37 12 960.89 23.15 330.64 24.90 108.26 9 53 13 360.9 25.43 322.64
 97.34 11 38 31 5856.73 23.16 279.77 24.90 108.25 13 16 8 5256.7 25.44 271.77
 100.00 11 4 16 678.63 19.40 308.46 23.37 113.20 11 15 34 78.6 22.37 300.93
 100.00 12 54 8 5614.22 27.03 263.03 26.11 103.27 14 27 42 5014.2 28.59 254.58
 110.00 10 48 59 726.69 13.19 308.73 20.01 121.82 11 1 6 126.7 17.31 302.03
 110.00 15 25 54 5138.92 33.94 228.22 27.35 94.33 16 51 33 4538.9 34.17 218.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9165 TRA .0518 TC3-5.7634 BAU .8707 SGT 5068.9 SGR 319.8 SG3 468.2 ST 3269.2 SR 303.8 SS 1599.0
 RDE .1780 RRA .0243 RC3 -.1324 FAU .07092 RRT -.3960 RRF -.4244 RTF .9636 CRT -.9974 CRS .9858 CST -.9941
 FDE-2.1849 FRA .7515 FC3-5.4344 BSP 15826 SGB 5079.0 R23 .0453 R13 -.9636 LSA 3648.5 MSA 157.3 SSA 14.2
 BDE 1.9248 BRA .0572 BC3 5.7650 FSP -1504 SGI 5070.5 SG2 293.6 THA 178.56 EL1 3283.2 EL2 21.6 ALF 174.70

LAUNCH DATE JUN 18 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 489.250

RL 151.99 LAL -0.00 LOL 266.10 VL 26.510 GAL .91 AZL 93.84 HCA 228.94 SMA 127.17 ECC .19576 INC 3.8441 V1 29.312
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.763 GAP 6.96 AZP 87.47 TAL 176.27 TAP 45.21 RCA 102.28 APO 152.07 V2 35.259
 RC 133.537 GL -31.69 GP 5.58 ZAL 85.25 ZAP 153.46 ETS 11.61 ZAE 131.21 ETE 175.22 ZAC 102.47 ETC 16.25 CLP-154.01

PLANETOCENTRIC CONIC

C3 11.444 VHL 3.383 DLA -29.46 RAL 167.66 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 5.097 DPA 15.73 RAP 165.96 ECC 1.1883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.50 9 38 57 993.16 23.32 333.08 27.91 108.54 9 55 30 393.2 25.63 325.08
 98.50 11 58 43 5829.78 23.33 277.84 27.92 108.53 13 35 52 5229.8 25.64 269.84
 100.00 11 27 43 641.00 20.39 306.11 26.74 112.35 11 38 24 41.0 23.24 298.47
 100.00 12 52 38 5657.17 26.33 266.03 28.90 104.70 14 26 55 5057.2 28.09 257.67
 110.00 11 3 56 715.91 13.58 308.13 23.11 121.68 11 15 52 115.9 17.67 301.41
 110.00 15 32 54 5155.03 33.85 229.47 30.42 95.07 16 58 49 4555.0 34.18 220.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9739 TRA .1735 TC3-5.8194 BAU .8906 SGT 5176.2 SGR 328.6 SG3 442.8 ST 3346.9 SR 305.9 SS 1558.3
 RDE .1803 RRA .0294 RC3 -.1578 FAU .06599 RRT -.3418 RRF -.3666 RTF .9633 CRT -.9952 CRS .9807 CST -.9943
 FDE-2.0688 FRA .8262 FC3-4.9926 BSP 16189 SGB 5186.6 R23 .0385 R13 -.9633 LSA 3701.4 MSA 153.7 SSA 15.2
 BDE 1.9822 BRA .1759 BC3 5.8215 FSP -1426 SGI 5177.4 SG2 308.7 THA 178.75 EL1 3360.7 EL2 29.8 ALF 174.80

LAUNCH DATE JUN 18 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 495.215

RL 151.99 LAL -0.00 LOL 266.10 VL 26.475 GAL 1.22 AZL 93.79 HCA 232.19 SMA 126.95 ECC .19837 INC 3.7897 V1 29.312
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.737 GAP 7.32 AZP 87.67 TAL 175.07 TAP 47.26 RCA 101.77 APO 152.13 V2 35.257
 RC 135.709 GL -30.83 GP 5.15 ZAL 82.88 ZAP 155.06 ETS 11.39 ZAE 130.68 ETE 175.77 ZAC 100.96 ETC 15.81 CLP-155.57

PLANETOCENTRIC CONIC

C3 11.654 VHL 3.414 DLA -29.76 RAL 170.48 RAD 6567.4 VEL 11.534 PTH 2.01 VHP 5.267 DPA 14.68 RAP 167.39 ECC 1.1918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.45 9 42 8 1022.82 23.46 335.33 31.08 108.85 9 59 10 422.8 25.81 327.34
 99.55 12 18 3 5807.71 23.47 276.26 31.09 108.84 13 54 50 5207.7 25.82 268.26
 100.00 11 57 26 5873.58 21.78 280.49 30.43 110.99 13 35 20 5273.6 24.44 272.70
 100.00 12 45 25 5720.24 25.16 270.36 31.69 106.69 14 20 46 5120.2 27.21 262.15
 110.00 11 19 20 705.80 13.94 307.57 26.37 121.53 11 31 5 105.8 18.01 300.82
 110.00 15 40 1 5172.74 33.74 230.84 33.65 95.87 17 6 14 4572.7 34.18 221.62

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0330 TRA .3039 TC3-5.8378 BAU .9100 SGT 5279.6 SGR 339.2 SG3 419.5 ST 3418.6 SR 310.8 SS 1519.6
 RDE .1848 RRA .0345 RC3 -.1757 FAU .06149 RRT -.3020 RRF -.3238 RTF .9633 CRT -.9922 CRS .9751 CST -.9946
 FDE-1.9647 FRA .8930 FC3-4.5679 BSP 16554 SGB 5290.5 R23 .0333 R13 -.9633 LSA 3751.0 MSA 150.3 SSA 16.0
 BDE 2.0413 BRA .3058 BC3 5.8404 FSP -1356 SG1 5280.6 SG2 323.3 THA 178.88 EL1 3432.5 EL2 38.6 ALF 174.84

LAUNCH DATE JUN 18 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 501.156

RL 151.99 LAL -0.00 LOL 266.10 VL 26.439 GAL 1.54 AZL 93.74 HCA 235.43 SMA 126.72 ECC .20117 INC 3.7398 V1 29.312
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.711 GAP 7.68 AZP 87.88 TAL 173.85 TAP 49.28 RCA 101.23 APO 152.21 V2 35.255
 RC 137.871 GL -29.94 GP 4.77 ZAL 80.46 ZAP 156.59 ETS 11.23 ZAE 130.19 ETE 176.23 ZAC 99.37 ETC 15.41 CLP-157.05

PLANETOCENTRIC CONIC

C3 11.934 VHL 3.455 DLA -30.04 RAL 173.37 RAD 6567.5 VEL 11.546 PTH 2.02 VHP 5.443 DPA 13.64 RAP 168.90 ECC 1.1964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.54 9 46 40 1050.04 23.56 337.39 34.40 109.19 10 4 10 450.0 25.96 329.40
 100.46 12 36 31 5790.43 23.57 275.01 34.40 109.18 14 13 2 5190.4 25.97 267.02
 79.54 9 46 40 1050.04 23.56 337.39 34.40 109.19 10 4 10 450.0 25.96 329.40
 100.46 12 36 31 5790.43 23.57 275.01 34.40 109.18 14 13 2 5190.4 25.97 267.02
 110.00 11 34 58 696.95 14.26 307.08 29.76 121.40 11 46 35 97.0 18.31 300.31
 110.00 15 47 24 5191.52 33.60 232.28 37.02 96.72 17 13 55 4591.5 34.16 223.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0907 TRA .4443 TC3-5.8136 BAU .9280 SGT 5374.3 SGR 350.4 SG3 397.2 ST 3479.1 SR 317.6 SS 1477.5
 RDE .1910 RRA .0393 RC3 -.1874 FAU .05719 RRT -.2730 RRF -.2921 RTF .9632 CRT -.9885 CRS .9689 CST -.9948
 FDE-1.8645 FRA .9558 FC3-4.1488 BSP 16874 SGB 5385.7 R23 .0292 R13 -.9632 LSA 3790.2 MSA 147.9 SSA 16.8
 BDE 2.0994 BRA .4461 BC3 5.8166 FSP -1286 SG1 5375.1 SG2 337.0 THA 178.98 EL1 3493.2 EL2 47.9 ALF 174.84

LAUNCH DATE JUN 18 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 507.073

RL 151.99 LAL -0.00 LOL 266.10 VL 26.403 GAL 1.88 AZL 93.69 HCA 238.68 SMA 126.49 ECC .20416 INC 3.6938 V1 29.312
 RP 107.50 LAP 3.16 LOP 144.73 VP 37.683 GAP 8.04 AZP 88.08 TAL 172.61 TAP 51.30 RCA 100.67 APO 152.32 V2 35.253
 RC 140.023 GL -29.01 GP 4.44 ZAL 78.00 ZAP 158.04 ETS 11.12 ZAE 129.75 ETE 176.62 ZAC 97.70 ETC 15.03 CLP-158.47

PLANETOCENTRIC CONIC

C3 12.287 VHL 3.505 DLA -30.30 RAL 176.30 RAD 6567.5 VEL 11.562 PTH 2.02 VHP 5.624 DPA 12.62 RAP 170.49 ECC 1.2022
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.75 9 52 27 1075.05 23.61 339.28 37.84 109.55 10 10 22 475.1 26.06 331.30
 101.25 12 54 9 5777.75 23.63 274.09 37.84 109.54 14 30 27 5177.7 26.07 266.11
 78.75 9 52 27 1075.05 23.61 339.28 37.84 109.55 10 10 22 475.1 26.06 331.30
 101.25 12 54 9 5777.75 23.63 274.09 37.84 109.54 14 30 27 5177.7 26.07 266.11
 110.00 11 50 37 689.96 14.50 306.69 33.26 121.30 12 2 7 90.0 18.54 299.90
 110.00 15 55 9 5210.83 33.43 233.77 40.53 97.58 17 22 0 4610.8 34.12 224.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1485 TRA .5946 TC3-5.7498 BAU .9450 SGT 5463.3 SGR 361.9 SG3 376.3 ST 3530.1 SR 326.2 SS 1435.5
 RDE .1990 RRA .0437 RC3 -.1934 FAU .05317 RRT -.2540 RRF -.2710 RTF .9632 CRT -.9842 CRS .9624 CST -.9950
 FDE-1.7722 FRA 1.0133 FC3-3.7466 BSP 17197 SGB 5475.3 R23 .0261 R13 -.9632 LSA 3821.9 MSA 146.1 SSA 17.4
 BDE 2.1577 BRA .5962 BC3 5.7530 FSP -1225 SG1 5464.1 SG2 350.0 THA 179.03 EL1 3544.6 EL2 57.6 ALF 174.80

LAUNCH DATE JUN 18 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 512.964

RL 151.99 LAL -0.00 LOL 266.10 VL 26.367 GAL 2.24 AZL 93.65 HCA 241.93 SMA 126.26 ECC .20736 INC 3.6508 V1 29.312
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.654 GAP 8.41 AZP 88.28 TAL 171.36 TAP 53.29 RCA 100.08 APO 152.44 V2 35.249
 RC 142.165 GL -28.06 GP 4.15 ZAL 75.51 ZAP 159.43 ETS 11.05 ZAE 129.35 ETE 176.95 ZAC 95.96 ETC 14.69 CLP-159.83

PLANETOCENTRIC CONIC

C3 12.721 VHL 3.567 DLA -30.53 RAL 179.27 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 5.811 DPA 11.61 RAP 172.14 ECC 1.2094
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.09 9 59 28 1097.84 23.62 340.98 41.40 109.93 10 17 46 497.8 26.12 333.02
 101.91 13 10 51 5769.77 23.63 273.49 41.40 109.92 14 47 1 5169.8 26.12 265.53
 78.09 9 59 28 1097.84 23.62 340.98 41.40 109.93 10 17 46 497.8 26.12 333.02
 101.91 13 10 51 5769.77 23.63 273.49 41.40 109.92 14 47 1 5169.8 26.12 265.53
 110.00 12 6 6 685.39 14.66 306.43 36.87 121.23 12 17 31 85.4 18.69 299.63
 110.00 16 3 23 5230.20 33.25 235.25 44.16 98.44 17 30 34 4630.2 34.06 226.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2026 TRA .7580 TC3-5.6388 BAU .9596 SGT 5540.5 SGR 373.1 SG3 356.3 ST 3565.6 SR 335.9 SS 1390.2
 RDE .2084 RRA .0475 RC3 -.1947 FAU .04925 RRT -.2421 RRF -.2573 RTF .9630 CRT -.9793 CRS .9554 CST -.9951
 FDE-1.6824 FRA 1.0700 FC3-3.3515 BSP 17431 SGB 5553.0 R23 .0239 R13 -.9630 LSA 3838.9 MSA 145.7 SSA 17.9
 BDE 2.2124 BRA .7595 BC3 5.6422 FSP -1160 SG1 5541.2 SG2 362.0 THA 179.06 EL1 3580.8 EL2 67.7 ALF 174.73

LAUNCH DATE JUN 18 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 518.828

RL 151.99 LAL -.00 LOL 266.10 VL 26.331 GAL 2.62 AZL 93.61 HCA 245.17 SMA 126.03 ECC .21078 INC 3.6103 V1 29.312
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.625 GAP 8.79 AZP 88.48 TAL 170.09 TAP 55.27 RCA 99.47 APO 152.60 V2 35.245
 RC 144.295 GL -27.07 GP 3.90 ZAL 73.00 ZAP 160.76 ETS 11.05 ZAE 128.98 ETE 177.23 ZAC 94.15 ETC 14.37 CLP-161.14

PLANETOCENTRIC CONIC

C3 13.244 VHL 3.639 DLA -30.72 RAL 182.27 RAD 6567.5 VEL 11.603 PTH 2.03 VHP 6.004 DPA 10.61 RAP 173.84 ECC 1.2180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.56 10 7 32 1118.80 23.55 342.53 45.05 110.31 10 26 11 518.8 26.11 334.59
 102.44 13 26 41 5766.15 23.57 273.20 45.06 110.30 15 2 47 5166.2 26.12 265.25
 77.56 10 7 32 1118.80 23.55 342.53 45.05 110.31 10 26 11 518.8 26.11 334.59
 102.44 13 26 41 5766.15 23.57 273.20 45.06 110.30 15 2 47 5166.2 26.12 265.25
 110.00 12 21 10 683.80 14.72 306.34 40.55 121.20 12 32 33 83.8 18.75 299.54
 110.00 16 12 13 5249.14 33.05 236.69 47.90 99.27 17 39 43 4649.1 33.98 227.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2581 TRA .9293 TC3-5.5023 BAU .9748 SGT 5619.0 SGR 383.9 SG3 337.9 ST 3593.6 SR 346.6 SS 1346.4
 RDE .2194 RRA .0507 RC3 -.1915 FAU .04572 RRT -.2373 RRF -.2511 RTF .9631 CRT -.9742 CRS .9486 CST -.9953
 FDE-1.6010 FRA 1.1201 FC3-2.9888 BSP 17713 SGB 5632.1 R23 .0222 R13 -.9631 LSA 3850.4 MSA 146.0 SSA 18.3
 BDE 2.2687 BRA .9307 BC3 5.5056 FSP -1105 SG1 5619.8 SG2 372.9 THA 179.07 EL1 3609.4 EL2 77.9 ALF 174.63

LAUNCH DATE JUN 18 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 524.662

RL 151.99 LAL -.00 LOL 266.10 VL 26.294 GAL 3.02 AZL 93.57 HCA 248.42 SMA 125.80 ECC .21445 INC 3.5719 V1 29.312
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.595 GAP 9.18 AZP 88.68 TAL 168.82 TAP 57.23 RCA 98.82 APO 152.78 V2 35.240
 RC 146.414 GL -26.06 GP 3.68 ZAL 70.49 ZAP 162.04 ETS 11.10 ZAE 128.65 ETE 177.47 ZAC 92.30 ETC 14.08 CLP-162.41

PLANETOCENTRIC CONIC

C3 13.864 VHL 3.723 DLA -30.87 RAL 185.27 RAD 6567.5 VEL 11.630 PTH 2.04 VHP 6.205 DPA 9.60 RAP 175.58 ECC 1.2282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.16 10 16 39 1137.82 23.43 343.90 48.79 110.70 10 35 37 537.8 26.03 335.99
 102.84 13 41 31 5767.08 23.44 273.21 48.80 110.68 15 17 38 5167.1 26.04 265.30
 77.16 10 16 39 1137.82 23.43 343.90 48.79 110.70 10 35 37 537.8 26.03 335.99
 102.84 13 41 31 5767.08 23.44 273.21 48.80 110.68 15 17 38 5167.1 26.04 265.30
 110.00 12 35 37 685.65 14.66 306.45 44.28 121.23 12 47 2 85.6 18.68 299.65
 110.00 16 21 44 5267.25 32.84 238.07 51.73 100.06 17 49 31 4667.3 33.88 228.98

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3108 TRA 1.1126 TC3-5.3296 BAU .9884 SGT 5689.8 SGR 394.1 SG3 320.5 ST 3607.8 SR 357.9 SS 1301.2
 RDE .2319 RRA .0531 RC3 -.1848 FAU .04234 RRT -.2374 RRF -.2501 RTF .9631 CRT -.9688 CRS .9415 CST -.9954
 FDE-1.5231 FRA 1.1689 FC3-2.6439 BSP 17972 SGB 5703.5 R23 .0210 R13 -.9631 LSA 3849.0 MSA 147.7 SSA 18.4
 BDE 2.3224 BRA 1.1139 BC3 5.3328 FSP -1052 SG1 5690.6 SG2 382.8 THA 179.05 EL1 3624.4 EL2 88.4 ALF 174.51

LAUNCH DATE JUN 18 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 530.465

RL 151.99 LAL -.00 LOL 266.10 VL 26.258 GAL 3.43 AZL 93.54 HCA 251.66 SMA 125.57 ECC .21838 INC 3.5353 V1 29.312
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.564 GAP 9.57 AZP 88.89 TAL 167.53 TAP 59.19 RCA 98.15 APO 152.99 V2 35.234
 RC 148.521 GL -25.03 GP 3.48 ZAL 67.99 ZAP 163.27 ETS 11.21 ZAE 128.34 ETE 177.68 ZAC 90.39 ETC 13.82 CLP-163.63

PLANETOCENTRIC CONIC

C3 14.593 VHL 3.820 DLA -30.97 RAL 188.26 RAD 6567.6 VEL 11.661 PTH 2.05 VHP 6.413 DPA 8.60 RAP 177.37 ECC 1.2402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.90 10 26 43 1155.07 23.23 345.12 52.60 111.09 10 45 58 555.1 25.88 337.24
 103.10 13 55 20 5772.45 23.24 278.53 52.61 111.07 15 31 33 5172.5 25.89 265.65
 76.90 10 26 43 1155.07 23.23 345.12 52.60 111.09 10 45 58 555.1 25.88 337.24
 103.10 13 55 20 5772.45 23.24 273.53 52.61 111.07 15 31 33 5172.5 25.89 265.65
 110.00 12 49 16 691.33 14.45 306.76 48.05 121.32 13 0 48 91.3 18.50 299.98
 110.00 16 31 57 5284.19 32.63 239.34 55.64 100.79 18 0 1 4684.2 33.78 230.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3618 TRA 1.3067 TC3-5.1284 BAU 1.0011 SGT 5755.4 SGR 403.5 SG3 304.1 ST 3610.0 SR 369.5 SS 1255.9
 RDE .2456 RRA .0547 RC3 -.1753 FAU .03917 RRT -.2418 RRF -.2535 RTF .9632 CRT -.9631 CRS .9343 CST -.9956
 FDE-1.4498 FRA 1.2140 FC3-2.3238 BSP 18222 SGB 5769.5 R23 .0201 R13 -.9632 LSA 3837.0 MSA 150.4 SSA 18.4
 BDE 2.3745 BRA 1.3079 BC3 5.1314 FSP -1004 SG1 5756.2 SG2 391.5 THA 179.02 EL1 3627.5 EL2 99.0 ALF 174.37

LAUNCH DATE JUN 18 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 536.235

RL 151.99 LAL -.00 LOL 266.10 VL 26.221 GAL 3.87 AZL 93.50 HCA 254.90 SMA 125.34 ECC .22260 INC 3.5000 V1 29.312
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.532 GAP 9.98 AZP 89.09 TAL 166.23 TAP 61.13 RCA 97.44 APO 153.24 V2 35.228
 RC 150.615 GL -23.98 GP 3.30 ZAL 65.51 ZAP 164.47 ETS 11.39 ZAE 128.06 ETE 177.86 ZAC 88.44 ETC 13.58 CLP-164.81

PLANETOCENTRIC CONIC

C3 15.443 VHL 3.930 DLA -31.02 RAL 191.23 RAD 6567.6 VEL 11.697 PTH 2.06 VHP 6.630 DPA 7.60 RAP 179.19 ECC 1.2542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.77 10 37 37 1170.71 22.95 346.18 56.46 111.47 10 57 8 570.7 25.66 338.33
 103.23 14 8 7 5782.14 22.96 274.14 56.47 111.45 15 44 30 5182.1 25.67 266.30
 76.77 10 37 37 1170.71 22.95 346.18 56.46 111.47 10 57 8 570.7 25.66 338.33
 103.23 14 8 7 5782.14 22.96 274.14 56.47 111.45 15 44 30 5182.1 25.67 266.30
 110.00 13 2 0 701.12 14.11 307.31 51.83 121.46 13 13 41 101.1 18.17 300.55
 110.00 16 42 55 5299.74 32.43 240.51 59.62 101.45 18 11 15 4699.7 33.67 231.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4070 TRA 1.5164 TC3-4.8935 BAU 1.0109 SGT 5810.7 SGR 412.0 SG3 288.6 ST 3595.6 SR 381.0 SS 1208.2
 RDE .2606 RRA .0552 RC3 -.1638 FAU .03605 RRT -.2488 RRF -.2594 RTF .9630 CRT -.9570 CRS .9266 CST -.9956
 FDE-1.3773 FRA 1.2604 FC3-2.0211 BSP 18379 SGB 5825.3 R23 .0192 R13 -.9631 LSA 3809.0 MSA 154.7 SSA 18.2
 BDE 2.4210 BRA 1.5174 BC3 4.8963 FSP -952 SG1 5811.6 SG2 399.0 THA 178.98 EL1 3614.0 EL2 109.9 ALF 174.20

LAUNCH DATE JUN 18 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 541.966

RL 151.99 LAL -0.00 LOL 266.10 VL 26.184 GAL 4.33 AZL 93.47 HCA 258.15 SMA 125.11 ECC .22712 INC 3.4657 V1 29.312
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.500 GAP 10.40 AZP 89.29 TAL 164.92 TAP 63.07 RCA 96.70 APO 153.53 V2 35.221
 RC 152.696 GL -22.92 GP 3.14 ZAL 63.06 ZAP 165.62 ETS 11.66 ZAE 127.80 ETE 178.01 ZAC 86.45 ETC 13.37 CLP-165.96

PLANETOCENTRIC CONIC

C3 16.428 VHL 4.053 DLA -31.02 RAL 194.16 RAD 6567.7 VEL 11.739 PTH 2.07 VHP 6.857 DPA 6.59 RAP 181.04 ECC 1.2704
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.77 10 49 18 1184.77 22.60 347.08 60.35 111.84 11 9 3 584.8 25.36 339.28
 103.23 14 19 49 5796.18 22.61 275.05 60.36 111.83 15 56 25 5196.2 25.37 267.25
 76.77 10 49 18 1184.77 22.60 347.08 60.35 111.84 11 9 3 584.8 25.36 339.28
 103.23 14 19 49 5796.18 22.61 275.05 60.36 111.83 15 56 25 5196.2 25.37 267.25
 110.00 13 13 41 715.15 13.61 308.09 55.59 121.66 13 25 36 115.2 17.70 301.37
 110.00 16 54 36 5313.79 32.23 241.56 63.66 102.05 18 23 10 4713.8 33.56 232.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4530 TRA 1.7351 TC3-4.6473 BAU 1.0212 SGT 5865.8 SGR 419.7 SG3 274.2 ST 3574.1 SR 392.2 SS 1163.3
 RDE .2768 RRA .0548 RC3 -.1505 FAU .03326 RRT -.2594 RRF -.2691 RTF .9632 CRT -.9509 CRS .9192 CST -.9958
 FDE-1.3119 FRA 1.3018 FC3-1.7525 BSP 18598 SGB 5880.8 R23 .0186 R13 -.9633 LSA 3775.7 MSA 159.4 SSA 17.9
 BDE 2.4686 BRA 1.7359 BC3 4.6497 FSP -910 SG1 5866.8 SG2 405.3 THA 178.93 EL1 3593.5 EL2 120.7 ALF 174.04

LAUNCH DATE JUN 18 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 547.657

RL 151.99 LAL -0.00 LOL 266.10 VL 26.147 GAL 4.81 AZL 93.43 HCA 261.39 SMA 124.89 ECC .23197 INC 3.4323 V1 29.312
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.467 GAP 10.84 AZP 89.49 TAL 163.61 TAP 65.00 RCA 95.92 APO 153.86 V2 35.214
 RC 154.762 GL -21.85 GP 3.00 ZAL 60.66 ZAP 166.75 ETS 12.03 ZAE 127.56 ETE 178.13 ZAC 84.43 ETC 13.19 CLP-167.08

PLANETOCENTRIC CONIC

C3 17.567 VHL 4.191 DLA -30.97 RAL 197.04 RAD 6567.7 VEL 11.788 PTH 2.08 VHP 7.094 DPA 5.59 RAP 182.92 ECC 1.2891
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.90 11 1 41 1197.30 22.17 347.84 64.27 112.20 11 21 38 597.3 24.98 340.08
 103.10 14 30 22 5814.50 22.18 276.24 64.27 112.19 16 7 17 5214.5 24.99 268.48
 76.90 11 1 41 1197.30 22.17 347.84 64.27 112.20 11 21 38 597.3 24.98 340.08
 103.10 14 30 22 5814.50 22.18 276.24 64.27 112.19 16 7 17 5214.5 24.99 268.48
 110.00 13 24 17 733.42 12.95 309.10 59.34 121.91 13 36 31 133.4 17.08 302.42
 110.00 17 6 56 5326.38 32.05 242.50 67.74 102.57 18 35 43 4726.4 33.45 233.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4960 TRA 1.9674 TC3-4.3829 BAU 1.0298 SGT 5914.3 SGR 426.5 SG3 260.6 ST 3541.2 SR 402.9 SS 1118.7
 RDE .2941 RRA .0531 RC3 -.1364 FAU .03057 RRT -.2721 RRF -.2809 RTF .9633 CRT -.9446 CRS .9116 CST -.9959
 FDE-1.2496 FRA 1.3427 FC3-1.5065 BSP 18790 SGB 5929.7 R23 .0181 R13 -.9634 LSA 3731.8 MSA 165.0 SSA 17.5
 BDE 2.5132 BRA 1.9681 BC3 4.3850 FSP -868 SG1 5915.5 SG2 410.3 THA 178.87 EL1 3561.6 EL2 131.5 ALF 173.86

LAUNCH DATE JUN 18 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 553.304

RL 151.99 LAL -0.00 LOL 266.10 VL 26.110 GAL 5.32 AZL 93.40 HCA 264.62 SMA 124.66 ECC .23719 INC 3.3994 V1 29.312
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.434 GAP 11.29 AZP 89.68 TAL 162.30 TAP 66.92 RCA 95.09 APO 154.23 V2 35.205
 RC 156.813 GL -20.78 GP 2.87 ZAL 58.31 ZAP 167.84 ETS 12.51 ZAE 127.34 ETE 178.24 ZAC 82.39 ETC 13.03 CLP-168.18

PLANETOCENTRIC CONIC

C3 18.877 VHL 4.345 DLA -30.87 RAL 199.85 RAD 6567.8 VEL 11.843 PTH 2.10 VHP 7.342 DPA 4.59 RAP 184.83 ECC 1.3107
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.16 11 14 46 1208.19 21.66 348.43 68.19 112.55 11 34 54 608.2 24.53 340.73
 102.84 14 39 42 5837.24 21.68 277.73 68.19 112.54 16 16 59 5237.2 24.54 270.02
 77.16 11 14 46 1208.19 21.66 348.43 68.19 112.55 11 34 54 608.2 24.53 340.73
 102.84 14 39 42 5837.24 21.68 277.73 68.19 112.54 16 16 59 5237.2 24.54 270.02
 110.00 13 33 48 755.78 12.14 310.33 63.04 122.20 13 46 24 155.8 16.31 303.70
 110.00 17 19 50 5337.64 31.88 243.33 71.85 103.04 18 48 48 4737.6 33.35 234.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5367 TRA 2.2130 TC3-4.1078 BAU 1.0371 SGT 5957.6 SGR 432.4 SG3 247.8 ST 3499.0 SR 412.8 SS 1075.4
 RDE .3125 RRA .0502 RC3 -.1218 FAU .02804 RRT -.2868 RRF -.2946 RTF .9636 CRT -.9380 CRS .9038 CST -.9960
 FDE-1.1910 FRA 1.3822 FC3-1.2860 BSP 18980 SGB 5973.3 R23 .0176 R13 -.9636 LSA 3679.7 MSA 171.3 SSA 17.1
 BDE 2.5559 BRA 2.2136 BC3 4.1096 FSP -830 SG1 5958.9 SG2 414.1 THA 178.80 EL1 3520.4 EL2 142.2 ALF 173.68

LAUNCH DATE JUN 18 1967

FLIGHT TIME 196.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 558.901

RL 151.99 LAL -0.00 LOL 266.10 VL 26.073 GAL 5.86 AZL 93.37 HCA 267.86 SMA 124.44 ECC .24280 INC 3.3670 V1 29.312
 RP 107.67 LAP 3.36 LOP 173.96 VP 37.400 GAP 11.76 AZP 89.87 TAL 160.99 TAP 68.85 RCA 94.22 APO 154.65 V2 35.197
 RC 158.850 GL -19.72 GP 2.75 ZAL 56.02 ZAP 168.91 ETS 13.13 ZAE 127.12 ETE 178.33 ZAC 80.32 ETC 12.90 CLP-169.25

PLANETOCENTRIC CONIC

C3 20.382 VHL 4.515 DLA -30.72 RAL 202.58 RAD 6567.8 VEL 11.906 PTH 2.12 VHP 7.604 DPA 3.59 RAP 186.75 ECC 1.3354
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.55 11 28 29 1217.47 21.09 348.87 72.10 112.88 11 48 47 617.5 24.00 341.22
 102.45 14 47 47 5864.35 21.10 279.50 72.11 112.86 16 25 31 5264.4 24.02 271.85
 77.55 11 28 29 1217.47 21.09 348.87 72.10 112.88 11 48 47 617.5 24.00 341.22
 102.45 14 47 47 5864.35 21.10 279.50 72.11 112.86 16 25 31 5264.4 24.02 271.85
 110.00 13 42 16 782.00 11.19 311.76 66.70 122.51 13 55 18 182.0 15.40 305.18
 110.00 17 33 11 5347.82 31.72 244.08 75.99 103.46 19 2 18 4747.8 33.25 235.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5716 TRA 2.4766 TC3-3.8185 BAU 1.0409 SGT 5992.3 SGR 437.2 SG3 235.7 ST 3444.6 SR 421.4 SS 1032.0
 RDE .3317 RRA .0458 RC3 -.1074 FAU .02554 RRT -.3024 RRF -.3089 RTF .9636 CRT -.9308 CRS .8952 CST -.9960
 FDE-1.1335 FRA 1.4233 FC3-1.0848 BSP 19068 SGB 6008.3 R23 .0169 R13 -.9637 LSA 3616.1 MSA 178.4 SSA 16.7
 BDE 2.5929 BRA 2.4771 BC3 3.8200 FSP -789 SG1 5993.8 SG2 416.6 THA 178.73 EL1 3466.9 EL2 153.0 ALF 173.49

LAUNCH DATE JUN 18 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 564.442

RL 151.99 LAL -1.00 LOL 266.10 VL 26.037 GAL 6.43 AZL 93.33 HCA 271.10 SMA 124.21 ECC .24886 INC 3.3346 V1 29.312
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.366 GAP 12.25 AZP 90.06 TAL 159.68 TAP 70.77 RCA 93.30 APO 155.13 V2 35.187
 RC 160.871 GL -18.67 GP 2.65 ZAL 53.79 ZAP 169.95 ETS 13.95 ZAE 126.92 ETE 178.41 ZAC 78.23 ETC 12.79 CLP-170.31

PLANETOCENTRIC CONIC

C3 22.109 VHL 4.702 OLA -30.53 RAL 205.22 RAD 6567.9 VEL 11.979 PTH 2.13 VHP 7.880 DPA 2.59 RAP 188.69 ECC 1.3639
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.07 11 42 50 1224.98 20.45 349.14 76.00 113.19 12 3 15 625.0 23.41 341.55
 101.93 14 54 31 607.93 20.46 303.68 76.01 113.17 15 4 39 7.9 23.42 296.08
 78.07 11 42 50 1224.98 20.45 349.14 76.00 113.19 12 3 15 625.0 23.41 341.55
 101.93 14 54 31 607.93 20.46 303.68 76.01 113.17 15 4 39 7.9 23.42 296.08
 110.00 13 49 43 811.75 10.10 313.37 70.31 122.83 14 3 15 211.8 14.35 306.85
 110.00 17 46 49 5357.19 31.57 244.77 80.14 103.84 19 16 6 4757.2 33.15 235.90

DIFFERENTIAL CORRECTIONS

TDE-2.6083 TRA 2.7519 TC3-3.5327 BAU 1.0445
 RDE .3518 RRA .0400 RC3 -.0933 FAU .02326
 FDE-1.0820 FRA 1.4619 FC3 -.9107 BSP 19228
 BDE 2.6319 BRA 2.7522 BC3 3.5339 FSP -755

MID-COURSE EXECUTION ACCURACY

SGT 6024.5 SGR 441.2 SG3 224.5
 RRT -.3200 RRF -.3253 RTF .9640
 SGB 6040.7 R23 .0162 R13 -.9640
 SG1 6026.2 SG2 417.9 THA 178.65

ORBIT DETERMINATION ACCURACY

ST 3387.6 SR 429.0 SS 992.2
 CRT -.9236 CRS .8870 CST -.9961
 LSA 3551.0 MSA 185.5 SSA 16.2
 EL1 3410.7 EL2 163.3 ALF 173.31

LAUNCH DATE JUN 18 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 569.921

RL 151.99 LAL -1.00 LOL 266.10 VL 26.000 GAL 7.04 AZL 93.30 HCA 274.33 SMA 123.99 ECC .25540 INC 3.3023 V1 29.312
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.331 GAP 12.77 AZP 90.25 TAL 158.37 TAP 72.70 RCA 92.33 APO 155.66 V2 35.178
 RC 162.878 GL -17.63 GP 2.55 ZAL 51.65 ZAP 170.98 ETS 15.00 ZAE 126.72 ETE 178.47 ZAC 76.12 ETC 12.71 CLP-171.34

PLANETOCENTRIC CONIC

C3 24.090 VHL 4.908 OLA -30.30 RAL 207.77 RAD 6568.0 VEL 12.061 PTH 2.16 VHP 8.172 DPA 1.60 RAP 190.65 ECC 1.3965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.73 11 57 54 1230.33 19.74 349.22 79.88 113.47 12 18 25 630.3 22.74 341.68
 101.27 14 59 47 644.39 19.75 306.08 79.88 113.46 15 10 32 44.4 22.76 298.54
 78.73 11 57 54 1230.33 19.74 349.22 79.88 113.47 12 18 25 630.3 22.74 341.68
 101.27 14 59 47 644.39 19.75 306.08 79.88 113.46 15 10 32 44.4 22.76 298.54
 110.00 13 56 15 844.69 8.87 315.14 73.85 123.15 14 10 19 244.7 13.18 308.68
 110.00 18 0 37 5366.06 31.43 245.42 84.29 104.20 19 30 3 4766.1 33.06 236.58

DIFFERENTIAL CORRECTIONS

TDE-2.6434 TRA 3.0435 TC3-3.2470 BAU 1.0460
 RDE .3727 RRA .0328 RC3 -.0799 FAU .02108
 FDE-1.0339 FRA 1.5007 FC3 -.7577 BSP 19375
 BDE 2.6695 BRA 3.0437 BC3 3.2480 FSP -722

MID-COURSE EXECUTION ACCURACY

SGT 6051.1 SGR 444.3 SG3 213.9
 RRT -.3386 RRF -.3427 RTF .9644
 SGB 6067.4 R23 .0155 R13 -.9644
 SG1 6053.0 SG2 417.9 THA 178.57

ORBIT DETERMINATION ACCURACY

ST 3325.0 SR 435.2 SS 954.6
 CRT -.9161 CRS .8785 CST -.9962
 LSA 3481.2 MSA 192.6 SSA 15.7
 EL1 3348.8 EL2 173.2 ALF 173.14

LAUNCH DATE JUN 18 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 575.330

RL 151.99 LAL -1.00 LOL 266.10 VL 25.964 GAL 7.68 AZL 93.27 HCA 277.56 SMA 123.78 ECC .26246 INC 3.2696 V1 29.312
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.296 GAP 13.31 AZP 90.43 TAL 157.08 TAP 74.64 RCA 91.29 APO 156.26 V2 35.167
 RC 164.869 GL -16.61 GP 2.47 ZAL 49.58 ZAP 171.99 ETS 16.38 ZAE 126.53 ETE 178.53 ZAC 74.01 ETC 12.66 CLP-172.37

PLANETOCENTRIC CONIC

C3 26.361 VHL 5.134 OLA -30.03 RAL 210.22 RAD 6568.1 VEL 12.155 PTH 2.18 VHP 8.483 DPA .61 RAP 192.62 ECC 1.4338
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.55 12 13 46 1233.13 18.97 349.07 83.72 113.73 12 34 19 633.1 22.02 341.59
 100.45 15 3 27 686.01 18.98 308.82 83.72 113.72 15 14 53 86.0 22.03 301.34
 79.55 12 13 46 1233.13 18.97 349.07 83.72 113.73 12 34 19 633.1 22.02 341.59
 100.45 15 3 27 686.01 18.98 308.82 83.72 113.72 15 14 53 86.0 22.03 301.34
 110.00 14 1 56 880.45 7.54 317.04 77.33 123.44 14 16 37 280.4 11.88 310.65
 110.00 18 14 27 5374.73 31.28 246.05 88.42 104.55 19 44 2 4774.7 32.96 237.23

DIFFERENTIAL CORRECTIONS

TDE-2.6774 TRA 3.3529 TC3-2.9645 BAU 1.0450
 RDE .3942 RRA .0239 RC3 -.0674 FAU .01900
 FDE -.9892 FRA 1.5401 FC3 -.6240 BSP 19492
 BDE 2.7062 BRA 3.3530 BC3 2.9652 FSP -691

MID-COURSE EXECUTION ACCURACY

SGT 6072.3 SGR 446.4 SG3 203.9
 RRT -.3581 RRF -.3609 RTF .9649
 SGB 6088.7 R23 .0147 R13 -.9650
 SG1 6074.4 SG2 416.6 THA 178.49

ORBIT DETERMINATION ACCURACY

ST 3258.3 SR 440.0 SS 919.4
 CRT -.9083 CRS .8698 CST -.9963
 LSA 3408.1 MSA 199.7 SSA 15.2
 EL1 3282.8 EL2 182.7 ALF 172.99

LAUNCH DATE JUN 18 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 580.659

RL 151.99 LAL -1.00 LOL 266.10 VL 25.928 GAL 8.36 AZL 93.24 HCA 280.79 SMA 123.56 ECC .27012 INC 3.2365 V1 29.312
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.261 GAP 13.89 AZP 90.61 TAL 155.80 TAP 76.59 RCA 90.18 APO 156.94 V2 35.156
 RC 166.846 GL -15.61 GP 2.39 ZAL 47.59 ZAP 172.97 ETS 18.23 ZAE 126.34 ETE 178.57 ZAC 71.89 ETC 12.64 CLP-173.39

PLANETOCENTRIC CONIC

C3 28.968 VHL 5.382 OLA -29.73 RAL 212.56 RAD 6568.2 VEL 12.261 PTH 2.21 VHP 8.814 DPA -.38 RAP 194.60 ECC 1.4767
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.53 12 30 35 1232.71 18.15 348.66 87.52 113.96 12 51 8 632.7 21.23 341.23
 99.47 15 5 19 733.38 18.16 311.96 87.53 113.95 15 17 32 133.4 21.25 304.54
 100.00 14 43 25 803.37 15.88 316.06 86.42 115.66 14 56 48 203.4 19.20 308.84
 100.00 15 35 10 637.95 20.47 305.92 88.57 112.28 15 45 48 38.0 23.31 298.27
 110.00 14 6 52 918.68 6.10 319.07 80.76 123.70 14 22 11 318.7 10.49 312.72
 110.00 18 28 12 5383.45 31.13 246.69 92.54 104.89 19 57 56 4783.5 32.86 237.89

DIFFERENTIAL CORRECTIONS

TDE-2.7070 TRA 3.6844 TC3-2.6830 BAU 1.0393
 RDE .4161 RRA .0131 RC3 -.0563 FAU .01692
 FDE -.9460 FRA 1.5821 FC3 -.5057 BSP 19515
 BDE 2.7388 BRA 3.6844 BC3 2.6835 FSP -657

MID-COURSE EXECUTION ACCURACY

SGT 6086.6 SGR 447.4 SG3 194.6
 RRT -.3778 RRF -.3790 RTF .9655
 SGB 6103.0 R23 .0136 R13 -.9655
 SG1 6089.0 SG2 414.1 THA 178.40

ORBIT DETERMINATION ACCURACY

ST 3185.6 SR 443.0 SS 885.8
 CRT -.8998 CRS .8602 CST -.9964
 LSA 3329.5 MSA 206.9 SSA 14.7
 EL1 3210.5 EL2 191.8 ALF 172.84

LAUNCH DATE JUN 18 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 585.897

RL 151.99 LAL -.00 LOL 266.10 VL 25.892 GAL 9.09 AZL 93.20 HCA 284.02 SMA 123.35 ECC .27843 INC 3.2027 V1 29.312
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.225 GAP 14.50 AZP 90.78 TAL 154.53 TAP 78.55 RCA 89.00 APO 157.69 V2 .35.145
 RC 168.808 GL -14.64 GP 2.32 ZAL 45.69 ZAP 173.95 ETS 20.75 ZAE 126.15 ETE 178.60 ZAC 69.76 ETC 12.64 CLP-174.41

PLANETOCENTRIC CONIC

C3 31.963 VHL 5.654 DLA -29.40 RAL 214.79 RAD 6568.3 VEL 12.383 PTH 2.24 VHP 9.167 DPA -1.35 RAP 196.59 ECC 1.5260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.73 12 48 48 1227.56 17.28 347.87 91.27 114.17 13 9 16 627.6 20.40 340.50
 98.27 15 4 54 787.91 17.29 315.60 91.28 114.16 15 18 2 187.9 20.41 308.23
 100.00 14 32 49 890.67 13.24 321.19 89.27 117.05 14 47 40 290.7 16.76 314.17
 100.00 16 3 34 600.03 21.43 303.51 93.12 111.36 16 13 34 .0 24.14 295.76
 110.00 14 11 7 959.05 4.57 321.19 84.11 123.91 14 27 .6 359.1 8.99 314.90
 110.00 18 41 46 5392.46 30.97 247.34 96.63 105.25 20 11 38 4792.5 32.75 238.57

DIFFERENTIAL CORRECTIONS

TOE-2.7414 TRA 4.0317 TC3-2.4163 BAU 1.0327
 RDE .4387 RRA .0008 RC3 -.0462 FAU .01504
 FDE -.9087 FRA 1.6231 FC3 -.4072 BSP 19622
 BOE 2.7762 BRA 4.0317 BC3 2.4168 FSP -630

MID-COURSE EXECUTION ACCURACY

SGT 6097.5 SGR 447.6 SG3 185.8
 RRT -.3987 RRF -.3986 RTF .9663
 SGB 6113.9 R23 .0126 R13 -.9664
 SG1 6100.2 SG2 410.3 THA 178.32

ORBIT DETERMINATION ACCURACY

ST 3115.3 SR 444.6 SS 856.4
 CRT -.8914 CRS .8513 CST -.9965
 LSA 3254.3 MSA 213.2 SSA 14.2
 EL1 3140.5 EL2 199.8 ALF 172.72

LAUNCH DATE JUN 18 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 591.029

RL 151.99 LAL -.00 LOL 266.10 VL 25.857 GAL 9.86 AZL 93.17 HCA 287.25 SMA 123.14 ECC .28748 INC 3.1680 V1 29.312
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.190 GAP 15.15 AZP 90.94 TAL 153.29 TAP 80.53 RCA 87.74 APO 158.54 V2 35.134
 RC 170.755 GL -13.69 GP 2.25 ZAL 43.87 ZAP 174.90 ETS 24.33 ZAE 125.95 ETE 178.63 ZAC 67.64 ETC 12.68 CLP-175.42

PLANETOCENTRIC CONIC

C3 35.410 VHL 5.951 DLA -29.05 RAL 216.91 RAD 6568.4 VEL 12.521 PTH 2.27 VHP 9.547 DPA -2.31 RAP 198.58 ECC 1.5828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.24 13 9 13 1214.96 16.36 346.51 94.98 114.34 13 29 28 615.0 19.51 339.19
 96.76 15 1 23 852.17 16.38 319.91 94.98 114.33 15 15 36 252.2 19.53 312.59
 100.00 14 27 3 962.51 10.98 325.33 92.26 117.98 14 43 5 362.5 14.63 318.45
 100.00 16 26 15 5867.90 21.92 280.12 97.42 110.85 18 4 2 5267.9 24.56 272.32
 110.00 14 14 44 1001.27 2.96 323.41 87.41 124.07 14 31 25 401.3 7.41 317.15
 110.00 18 55 3 5401.90 30.80 248.03 100.68 105.62 20 25 5 4801.9 32.63 239.29

DIFFERENTIAL CORRECTIONS

TOE-2.7766 TRA 4.4010 TC3-2.1596 BAU 1.0225
 RDE .4616 RRA -.0135 RC3 -.0374 FAU .01321
 FDE -.8746 FRA 1.6659 FC3 -.3230 BSP 19716
 BOE 2.8147 BRA 4.4010 BC3 2.1599 FSP -604

MID-COURSE EXECUTION ACCURACY

SGT 6103.2 SGR 446.9 SG3 177.6
 RRT -.4201 RRF -.4185 RTF .9673
 SGB 6119.5 R23 .0114 R13 -.9674
 SG1 6106.1 SG2 405.4 THA 178.23

ORBIT DETERMINATION ACCURACY

ST 3044.3 SR 444.4 SS 829.9
 CRT -.8828 CRS .8424 CST -.9966
 LSA 3179.0 MSA 218.9 SSA 13.7
 EL1 3069.6 EL2 207.0 ALF 172.62

LAUNCH DATE JUN 18 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 596.039

RL 151.99 LAL -.00 LOL 266.10 VL 25.822 GAL 10.70 AZL 93.13 HCA 290.47 SMA 122.93 ECC .29734 INC 3.1320 V1 29.312
 RP 107.90 LAP 2.93 LOP 196.60 VP 37.154 GAP 15.85 AZP 91.10 TAL 152.07 TAP 82.54 RCA 86.38 APO 159.48 V2 35.122
 RC 172.686 GL -12.76 GP 2.19 ZAL 42.15 ZAP 175.82 ETS 29.64 ZAE 125.74 ETE 178.65 ZAC 65.51 ETC 12.75 CLP-176.43

PLANETOCENTRIC CONIC

C3 39.387 VHL 6.276 DLA -28.67 RAL 218.92 RAD 6568.5 VEL 12.679 PTH 2.30 VHP 9.956 DPA -3.26 RAP 200.58 ECC 1.6482
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.31 13 34 4 1187.49 15.41 344.04 98.62 114.48 13 53 52 587.5 18.59 336.78
 94.69 14 52 32 933.43 15.43 325.44 98.63 114.47 15 8 5 333.4 18.60 318.17
 100.00 14 22 59 1028.70 8.84 329.08 95.26 118.67 14 40 7 428.7 12.60 322.31
 100.00 16 46 18 5855.49 22.22 279.32 101.60 110.53 18 23 54 5255.5 24.81 271.48
 110.00 14 17 47 1045.06 1.29 325.69 90.64 124.16 14 35 12 445.1 5.76 319.46
 110.00 19 8 0 5411.89 30.61 248.74 104.69 106.01 20 38 12 4811.9 32.50 240.04

DIFFERENTIAL CORRECTIONS

TOE-2.8130 TRA 4.7947 TC3-1.9137 BAU 1.0078
 RDE .4847 RRA -.0297 RC3 -.0299 FAU .01143
 FDE -.8437 FRA 1.7111 FC3 -.2513 BSP 19782
 BOE 2.8544 BRA 4.7948 BC3 1.9139 FSP -578

MID-COURSE EXECUTION ACCURACY

SGT 6103.7 SGR 445.2 SG3 169.8
 RRT -.4418 RRF -.4389 RTF .9685
 SGB 6119.9 R23 .0102 R13 -.9685
 SG1 6106.9 SG2 399.2 THA 178.15

ORBIT DETERMINATION ACCURACY

ST 2973.3 SR 442.6 SS 806.3
 CRT -.8740 CRS .8334 CST -.9968
 LSA 3104.2 MSA 223.8 SSA 13.3
 EL1 2998.5 EL2 213.3 ALF 172.55

LAUNCH DATE JUN 18 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 600.907

RL 151.99 LAL -.00 LOL 266.10 VL 25.787 GAL 11.59 AZL 93.09 HCA 293.69 SMA 122.73 ECC .30811 INC 3.0945 V1 29.312
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.118 GAP 16.60 AZP 91.24 TAL 150.89 TAP 84.58 RCA 84.91 APO 160.54 V2 35.110
 RC 174.603 GL -11.87 GP 2.14 ZAL 40.52 ZAP 176.68 ETS 38.02 ZAE 125.51 ETE 178.67 ZAC 63.40 ETC 12.85 CLP-177.46

PLANETOCENTRIC CONIC

C3 43.987 VHL 6.632 DLA -28.27 RAL 220.80 RAD 6568.7 VEL 12.859 PTH 2.34 VHP 10.399 DPA -4.20 RAP 202.57 ECC 1.7239
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 14 7 5 1132.90 13.18 338.97 101.61 115.29 14 25 58 532.9 16.48 331.85
 90.00 14 34 35 1043.75 15.70 333.64 102.80 113.87 14 51 58 443.7 18.80 326.34
 100.00 14 19 44 1091.96 6.75 332.62 98.25 119.19 14 37 56 492.0 10.59 325.94
 100.00 17 4 37 5847.96 22.40 278.83 105.67 110.33 18 42 5 5248.0 24.96 270.97
 110.00 14 20 18 1090.18 -.44 328.04 93.81 124.18 14 38 28 490.2 4.05 321.83
 110.00 19 20 33 5422.51 30.41 249.51 108.64 106.42 20 50 55 4822.5 32.36 240.83

DIFFERENTIAL CORRECTIONS

TOE-2.8480 TRA 5.2183 TC3-1.6767 BAU .9861
 RDE .5080 RRA -.0480 RC3 -.0238 FAU .00964
 FDE -.8146 FRA 1.7604 FC3 -.1897 BSP 19735
 BOE 2.8930 BRA 5.2185 BC3 1.6768 FSP -551

MID-COURSE EXECUTION ACCURACY

SGT 6099.2 SGR 442.5 SG3 162.6
 RRT -.4634 RRF -.4591 RTF .9698
 SGB 6115.3 R23 .0088 R13 -.9698
 SG1 6102.7 SG2 391.9 THA 178.07

ORBIT DETERMINATION ACCURACY

ST 2901.0 SR 439.1 SS 785.1
 CRT -.8646 CRS .8239 CST -.9970
 LSA 3028.7 MSA 228.2 SSA 12.8
 EL1 2925.9 EL2 218.7 ALF 172.50

LAUNCH DATE JUN 18 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 18 1968

HELIOCENTRIC CONIC

DISTANCE 605.606

RL 151.99 LAL -0.00 LOL 266.10 VL 25.753 GAL 12.56 AZL 93.06 MCA 296.91 SMA 122.53 ECC .31992 INC 3.0552 V1 29.312
 RP 107.97 LAP 2.72 LOP 203.04 VP 37.083 GAP 17.41 AZP 91.38 TAL 149.75 TAP 86.66 RCA 83.33 APO 161.73 V2 35.097
 RC 176.504 GL -11.00 GP 2.08 ZAL 38.99 ZAP 177.43 ETS 52.04 ZAE 125.27 ETE 178.68 ZAC 61.31 ETC 12.99 CLP-178.49

PLANETOCENTRIC CONIC

C3 49.327 VHL 7.023 DLA -27.86 RAL 222.57 RAD 6568.8 VEL 13.065 PTH 2.38 VHP 10.879 DPA -5.12 RAP 204.56 ECC 1.8118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 43 12 1262.33 9.30 346.50 103.69 116.87 14 4 15 662.3 12.83 339.60
 90.00 15 12 35 971.78 17.63 329.24 107.62 112.52 15 28 47 371.8 20.54 321.77
 100.00 14 16 53 1153.43 4.70 336.03 101.20 119.55 14 36 7 553.4 8.60 329.41
 100.00 17 21 35 5843.94 22.49 278.57 109.65 110.23 18 58 59 5243.9 25.04 270.70
 110.00 14 22 18 1136.41 -2.20 330.46 96.92 124.12 14 41 15 536.4 2.29 324.25
 110.00 19 32 39 5433.73 30.19 250.31 112.53 106.85 21 3 13 4833.7 32.20 241.67

DIFFERENTIAL CORRECTIONS

TDE-2.8914 TRA 5.6661 TC3-1.4576 BAU .9613
 RDE .5315 RRA -.0683 RC3 -.0187 FAU .00797
 FDE -.7909 FRA 1.8111 FC3 -.1399 BSP 19790
 BDE 2.9399 BRA 5.6665 BC3 1.4578 FSP -528

MID-COURSE EXECUTION ACCURACY

SGT 6090.3 SGR 439.0 SG3 155.7
 RRT -.4857 RRF -.4803 RTF .9714
 SGB 6106.1 R23 .0075 R13 -.9714
 SG1 6094.0 SG2 383.5 THA 177.99

ORBIT DETERMINATION ACCURACY

ST 2833.4 SR 434.0 SS 768.1
 CRT -.8558 CRS .8156 CST -.9972
 LSA 2958.5 MSA 231.1 SSA 12.4
 EL1 2857.8 EL2 222.6 ALF 172.49

LAUNCH DATE JUN 18 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 20 1968

HELIOCENTRIC CONIC

DISTANCE 610.106

RL 151.99 LAL -0.00 LOL 266.10 VL 25.719 GAL 13.60 AZL 93.01 MCA 300.13 SMA 122.33 ECC .33291 INC 3.0135 V1 29.312
 RP 108.01 LAP 2.61 LOP 206.26 VP 37.047 GAP 18.29 AZP 91.51 TAL 148.66 TAP 88.79 RCA 81.61 APO 163.06 V2 35.084
 RC 178.389 GL -10.16 GP 2.04 ZAL 37.55 ZAP 177.91 ETS 75.26 ZAE 125.00 ETE 178.69 ZAC 59.23 ETC 13.16 CLP-179.55

PLANETOCENTRIC CONIC

C3 55.549 VHL 7.453 DLA -27.43 RAL 224.23 RAD 6569.0 VEL 13.301 PTH 2.43 VHP 11.404 DPA -6.01 RAP 206.53 ECC 1.9142
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 32 17 1349.25 6.59 351.45 106.26 117.60 13 54 46 749.3 10.23 344.67
 90.00 15 36 40 943.78 18.36 327.51 111.81 111.95 15 52 24 343.8 21.17 319.97
 100.00 14 14 14 1213.68 2.67 339.35 104.11 119.78 14 34 28 613.7 6.61 332.78
 100.00 17 37 25 5842.63 22.52 278.49 113.52 110.19 19 14 47 5242.6 25.07 270.61
 110.00 14 23 50 1183.53 -4.00 332.92 99.97 123.98 14 43 34 583.5 .49 326.71
 110.00 19 44 18 5445.54 29.96 251.15 116.33 107.29 21 15 3 4845.5 32.03 242.55

DIFFERENTIAL CORRECTIONS

TDE-2.9401 TRA 6.1455 TC3-1.2517 BAU .9296
 RDE .5552 RRA -.0907 RC3 -.0147 FAU .00631
 FDE -.7706 FRA 1.8659 FC3 -.0984 BSP 19846
 BDE 2.9921 BRA 6.1461 BC3 1.2517 FSP -507

MID-COURSE EXECUTION ACCURACY

SGT 6076.2 SGR 434.5 SG3 149.3
 RRT -.5083 RRF -.5017 RTF .9731
 SGB 6091.7 R23 .0060 R13 -.9731
 SG1 6080.2 SG2 374.0 THA 177.91

ORBIT DETERMINATION ACCURACY

ST 2767.9 SR 427.4 SS 754.2
 CRT -.8471 CRS .8076 CST -.9974
 LSA 2891.1 MSA 232.8 SSA 11.9
 EL1 2791.7 EL2 225.2 ALF 172.50

LAUNCH DATE JUN 18 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 22 1968

HELIOCENTRIC CONIC

DISTANCE 614.367

RL 151.99 LAL -0.00 LOL 266.10 VL 25.687 GAL 14.74 AZL 92.97 MCA 303.34 SMA 122.14 ECC .34722 INC 2.9691 V1 29.312
 RP 108.05 LAP 2.48 LOP 209.47 VP 37.012 GAP 19.25 AZP 91.63 TAL 147.63 TAP 90.97 RCA 79.73 APO 164.56 V2 35.071
 RC 180.257 GL -9.34 GP 2.00 ZAL 36.22 ZAP 177.91 ETS 105.03 ZAE 124.71 ETE 178.69 ZAC 57.19 ETC 13.37 CLP 179.38

PLANETOCENTRIC CONIC

C3 62.832 VHL 7.927 DLA -26.99 RAL 225.75 RAD 6569.2 VEL 13.572 PTH 2.48 VHP 11.978 DPA -6.88 RAP 208.50 ECC 2.0341
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 24 26 1425.45 4.16 355.74 108.90 118.03 13 48 12 825.4 7.88 349.03
 90.00 15 56 43 927.71 18.76 326.50 115.76 111.61 16 12 11 327.7 21.53 318.92
 100.00 14 11 37 1273.01 .66 342.60 106.96 119.89 14 32 50 673.0 4.63 336.07
 100.00 17 52 13 5843.42 22.50 278.54 117.29 110.21 19 29 37 5243.4 25.05 270.67
 110.00 14 24 53 1231.36 -5.81 335.44 102.95 123.74 14 45 25 631.4 -1.34 329.21
 110.00 19 55 26 5457.84 29.70 252.01 120.05 107.75 21 26 24 4857.8 31.84 243.46

DIFFERENTIAL CORRECTIONS

TDE-2.9933 TRA 6.6675 TC3-1.0588 BAU .8895
 RDE .5788 RRA -.1155 RC3 -.0118 FAU .00465
 FDE -.7535 FRA 1.9256 FC3 -.0640 BSP 19843
 BDE 3.0487 BRA 6.6685 BC3 1.0589 FSP -487

MID-COURSE EXECUTION ACCURACY

SGT 6062.0 SGR 429.1 SG3 143.2
 RRT -.5308 RRF -.5236 RTF .9751
 SGB 6077.2 R23 .0049 R13 -.9751
 SG1 6066.3 SG2 363.5 THA 177.84

ORBIT DETERMINATION ACCURACY

ST 2704.8 SR 419.3 SS 743.6
 CRT -.8383 CRS .8001 CST -.9977
 LSA 2826.7 MSA 233.4 SSA 11.4
 EL1 2727.7 EL2 226.7 ALF 172.54

LAUNCH DATE JUN 18 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 24 1968

HELIOCENTRIC CONIC

DISTANCE 618.341

RL 151.99 LAL -0.00 LOL 266.10 VL 25.655 GAL 15.98 AZL 92.92 MCA 306.55 SMA 121.96 ECC .36306 INC 2.9214 V1 29.312
 RP 108.09 LAP 2.35 LOP 212.69 VP 36.978 GAP 20.31 AZP 91.74 TAL 146.67 TAP 93.23 RCA 77.68 APO 166.24 V2 35.058
 RC 182.108 GL -8.56 GP 1.96 ZAL 35.00 ZAP 177.39 ETS 129.10 ZAE 124.37 ETE 178.69 ZAC 55.17 ETC 13.62 CLP 178.27

PLANETOCENTRIC CONIC

C3 71.401 VHL 8.450 DLA -26.53 RAL 227.16 RAD 6569.4 VEL 13.884 PTH 2.53 VHP 12.611 DPA -7.73 RAP 210.44 ECC 2.1751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 17 58 1496.20 1.89 359.69 111.53 118.26 13 42 54 896.2 5.65 353.03
 90.00 16 14 24 917.96 19.00 325.89 119.54 111.40 16 29 41 318.0 21.74 318.29
 100.00 14 8 56 1331.59 -1.33 345.82 109.74 119.87 14 31 8 731.6 8.65 339.29
 100.00 18 6 7 5845.84 22.45 278.70 120.94 110.28 19 43 33 5245.8 25.00 270.83
 110.00 14 25 28 1279.70 -7.63 337.99 105.85 123.42 14 46 47 679.7 -3.19 331.73
 110.00 20 6 4 5470.49 29.44 252.90 123.65 108.21 21 37 15 4870.5 31.64 244.39

DIFFERENTIAL CORRECTIONS

TDE-3.0547 TRA 7.2173 TC3 -.8799 BAU .8400
 RDE .6024 RRA -.1424 RC3 -.0097 FAU .00296
 FDE -.7402 FRA 1.9911 FC3 -.0359 BSP 19847
 BDE 3.1136 BRA 7.2187 BC3 .8800 FSP -467

MID-COURSE EXECUTION ACCURACY

SGT 6034.8 SGR 422.8 SG3 137.5
 RRT -.5533 RRF -.5451 RTF .9770
 SGB 6049.6 R23 .0033 R13 -.9770
 SG1 6039.3 SG2 351.9 THA 177.77

ORBIT DETERMINATION ACCURACY

ST 2642.9 SR 409.8 SS 736.4
 CRT -.8303 CRS .7931 CST -.9979
 LSA 2764.2 MSA 232.6 SSA 11.0
 EL1 2664.9 EL2 226.5 ALF 172.61

LAUNCH DATE JUN 19 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 28 1967

HELIOCENTRIC CONIC

DISTANCE 161.840

RL 152.00 LAL -.00 LOL 267.05 VL 22.943 GAL -.43 AZL 93.62 HCA 65.83 SMA 108.80 ECC .39716 INC 3.6173 V1 29.310
 RP 108.89 LAP -3.30 LOP 332.84 VP 34.897 GAP -23.40 AZP 91.48 TAL 180.66 TAP 246.49 RCA 65.59 APO 152.01 V2 34.801
 RC 42.956 GL -12.71 GP -1.57 ZAL 92.65 ZAP 11.51 ETS 172.41 ZAE 167.49 ETE 54.85 ZAC 101.17 ETC 14.32 CLP 11.40

PLANETOCENTRIC CONIC

C3 43.311 VHL 6.581 DLA -9.41 RAL 169.73 RAD 6568.6 VEL 12.833 PTH 2.34 VHP 14.054 DPA 7.88 RAP 166.22 ECC 1.7128
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 34 2110.36 -16.91 34.99 41.99 113.06 6 40 45 1510.4 -13.64 27.83
 90.00 15 40 44 5346.53 27.66 243.70 48.40 83.68 17 9 51 4746.5 26.50 235.22
 100.00 7 22 18 1862.82 -18.21 16.19 41.39 114.12 7 53 21 1262.8 -14.80 9.06
 100.00 17 6 41 5069.31 29.07 223.12 48.21 82.70 18 31 11 4469.3 27.75 214.56
 110.00 8 20 3 1681.99 -21.66 .71 39.63 117.12 8 48 5 1082.0 -17.85 353.65
 110.00 18 25 26 4822.89 32.85 203.73 47.53 79.96 19 45 49 4222.9 31.12 194.94

DIFFERENTIAL CORRECTIONS

TDE .3957 TRA -.7797 TC3 .0857 BAU .0675
 RDE -.4436 RRA -.1880 RC3 .0792 FAU .02011
 FDE -.3122 FRA .2959 FC3 -.4020 BSP 2084
 BDE .5944 BRA .8021 BC3 .1166 FSP -125

MID-COURSE EXECUTION ACCURACY

SGT 777.7 SGR 433.0 SG3 56.1
 RRT -.0213 RRF .0232 RTF -.6591
 SGB 890.2 R23 -.0029 R13 .6592
 SG1 777.8 SG2 432.9 THA .179.02

ORBIT DETERMINATION ACCURACY

ST 401.6 SR 389.4 SS 344.0
 CRT -.7850 CRS -.9157 CST .9655
 LSA 630.2 MSA 184.2 SSA 15.5
 EL1 528.5 EL2 183.3 ALF 136.13

LAUNCH DATE JUN 19 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 168.435

RL 152.00 LAL -.00 LOL 267.05 VL 23.334 GAL -.54 AZL 93.58 HCA 69.00 SMA 110.43 ECC .37652 INC 3.5766 V1 29.310
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.159 GAP -22.10 AZP 91.28 TAL 180.89 TAP 249.89 RCA 68.85 APO 152.01 V2 34.806
 RC 42.841 GL -13.56 GP -1.64 ZAL 93.24 ZAP 9.79 ETS 170.48 ZAE 165.77 ETE 46.29 ZAC 99.82 ETC 14.20 CLP 9.65

PLANETOCENTRIC CONIC

C3 38.515 VHL 6.206 DLA -9.96 RAL 168.83 RAD 6568.5 VEL 12.644 PTH 2.30 VHP 13.324 DPA 7.26 RAP 167.50 ECC 1.6339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 22 2062.85 -15.62 32.10 39.10 113.92 6 40 45 1462.9 -12.26 25.04
 90.00 15 32 44 5334.79 27.57 242.85 45.50 83.26 17 1 39 4734.8 26.35 234.39
 100.00 7 22 48 1816.29 -16.89 13.37 38.49 115.03 7 53 4 1216.3 -13.38 6.34
 100.00 16 59 0 5056.59 28.95 222.19 45.30 82.22 18 23 16 4456.6 27.58 213.66
 110.00 8 19 52 1637.58 -20.26 358.03 36.72 118.14 8 47 10 1037.6 -16.34 351.10
 110.00 18 18 25 4808.07 32.67 202.61 44.59 79.32 19 38 33 4208.1 30.85 193.87

DIFFERENTIAL CORRECTIONS

TDE .3958 TRA -.7553 TC3 .1208 BAU .0770
 RDE -.4205 RRA -.1758 RC3 .0882 FAU .02110
 FDE -.3310 FRA .2948 FC3 -.4742 BSP 2219
 BDE .5775 BRA .7755 BC3 .1496 FSP -141

MID-COURSE EXECUTION ACCURACY

SGT 810.7 SGR 435.7 SG3 62.1
 RRT -.0249 RRF .0277 RTF -.6791
 SGB 920.3 R23 -.0039 R13 .6791
 SG1 810.8 SG2 435.5 THA 178.92

ORBIT DETERMINATION ACCURACY

ST 422.7 SR 391.4 SS 365.1
 CRT -.7940 CRS -.9224 CST .9650
 LSA 656.3 MSA 184.6 SSA 15.9
 EL1 545.8 EL2 184.2 ALF 137.77

LAUNCH DATE JUN 19 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 175.062

RL 152.00 LAL -.00 LOL 267.05 VL 23.693 GAL -.66 AZL 93.54 HCA 72.16 SMA 112.01 ECC .35723 INC 3.5376 V1 29.310
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.405 GAP -20.87 AZP 91.08 TAL 181.19 TAP 253.35 RCA 72.00 APO 152.02 V2 34.812
 RC 42.900 GL -14.44 GP -1.73 ZAL 93.96 ZAP 8.08 ETS 167.70 ZAE 163.85 ETE 39.54 ZAC 98.48 ETC 14.09 CLP 7.89

PLANETOCENTRIC CONIC

C3 34.377 VHL 5.863 DLA -10.46 RAL 167.78 RAD 6568.4 VEL 12.480 PTH 2.26 VHP 12.626 DPA 6.64 RAP 168.77 ECC 1.5658
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 6 18 2017.58 -14.35 29.38 36.17 114.67 6 39 56 1417.6 -10.91 22.40
 90.00 15 24 30 5322.63 27.47 241.97 42.50 82.83 16 53 12 4722.6 26.19 233.54
 100.00 7 22 27 1771.94 -15.60 10.71 35.56 115.83 7 51 58 1171.9 -12.00 3.77
 100.00 16 51 2 5043.51 28.83 221.24 42.30 81.74 18 15 6 4443.5 27.39 212.73
 110.00 8 18 53 1595.20 -18.88 355.52 33.78 119.04 8 45 28 995.2 -14.86 348.70
 110.00 18 11 5 4793.02 32.47 201.48 41.56 78.68 19 30 58 4193.0 30.57 192.78

DIFFERENTIAL CORRECTIONS

TDE .3988 TRA -.7295 TC3 .1651 BAU .0881
 RDE -.3987 RRA -.1642 RC3 .0975 FAU .02228
 FDE -.3520 FRA .2911 FC3 -.5610 BSP 2346
 BDE .5640 BRA .7478 BC3 .1918 FSP -158

MID-COURSE EXECUTION ACCURACY

SGT 845.6 SGR 437.6 SG3 68.8
 RRT -.0310 RRF .0334 RTF -.6994
 SGB 952.1 R23 -.0038 R13 .6994
 SG1 845.7 SG2 437.3 THA 178.75

ORBIT DETERMINATION ACCURACY

ST 446.4 SR 392.7 SS 387.6
 CRT -.8055 CRS -.9296 CST .9651
 LSA 685.3 MSA 183.7 SSA 16.4
 EL1 565.4 EL2 183.7 ALF 139.53

LAUNCH DATE JUN 19 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 181.716

RL 152.00 LAL -.00 LOL 267.05 VL 24.024 GAL -.80 AZL 93.50 HCA 75.33 SMA 113.52 ECC .33923 INC 3.5000 V1 29.310
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.633 GAP -19.69 AZP 90.89 TAL 181.55 TAP 256.88 RCA 75.01 APO 152.03 V2 34.819
 RC 43.133 GL -15.32 GP -1.82 ZAL 94.82 ZAP 6.37 ETS 163.36 ZAE 161.84 ETE 34.19 ZAC 97.16 ETC 13.99 CLP 6.11

PLANETOCENTRIC CONIC

C3 30.810 VHL 5.551 DLA -10.91 RAL 166.61 RAD 6568.2 VEL 12.336 PTH 2.22 VHP 11.959 DPA 6.01 RAP 170.02 ECC 1.5071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 5 20 1974.92 -13.13 26.85 33.22 115.32 6 38 15 1374.9 -9.61 19.93
 90.00 15 16 4 5310.12 27.36 241.07 39.44 82.40 16 44 34 4710.1 26.02 232.66
 100.00 7 21 13 1730.13 -14.34 8.24 32.61 116.51 7 50 3 1130.1 -10.67 1.38
 100.00 16 42 53 5030.15 28.70 220.26 39.22 81.24 18 6 43 4430.1 27.19 211.79
 110.00 8 17 5 1555.20 -17.54 353.19 30.83 119.82 8 43 0 955.2 -13.44 346.48
 110.00 18 3 31 4777.83 32.26 200.35 38.47 78.04 19 23 8 4177.8 30.28 191.70

DIFFERENTIAL CORRECTIONS

TDE .4014 TRA -.7030 TC3 .2153 BAU .0990
 RDE -.3783 RRA -.1531 RC3 .1068 FAU .02356
 FDE -.3748 FRA .2850 FC3 -.6620 BSP 2467
 BDE .5515 BRA .7195 BC3 .2403 FSP -180

MID-COURSE EXECUTION ACCURACY

SGT 880.3 SGR 438.7 SG3 76.3
 RRT -.0375 RRF .0406 RTF -.7171
 SGB 983.5 R23 -.0049 R13 .7172
 SG1 880.5 SG2 438.3 THA 178.58

ORBIT DETERMINATION ACCURACY

ST 469.9 SR 393.5 SS 411.1
 CRT -.8168 CRS -.9369 CST .9648
 LSA 714.9 MSA 182.3 SSA 16.9
 EL1 585.2 EL2 182.3 ALF 141.17

LAUNCH DATE JUN 19 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 188.394

RL 152.00 LAL -.00 LOL 267.05 VL 24.328 GAL -.94 AZL 93.46 HCA 78.50 SMA 114.97 ECC .32251 INC 3.4633 V1 29.310
 RP 108.81 LAP -3.39 LOP 345.53 VP 35.846 GAP -18.57 AZP 90.69 TAL 181.98 TAP 260.48 RCA 77.89 APO 152.05 V2 34.826
 RC 43.534 GL -16.20 GP -1.92 ZAL 95.80 ZAP 4.71 ETS 155.77 ZAE 159.80 ETE 29.89 ZAC 95.87 ETC 13.90 CLP 4.30

PLANETOCENTRIC CONIC

C3 27.738 VHL 5.267 DLA -11.32 RAL 165.31 RAD 6568.1 VEL 12.211 PTH 2.19 VHP 11.321 DPA 5.38 RAP 171.23 ECC 1.4565
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 3 29 1935.23 -11.96 24.52 30.26 115.86 6 35 44 1335.2 -8.38 17.66
 90.00 15 7 33 5297.25 27.24 240.15 36.33 81.95 16 35 50 4697.3 25.84 231.76
 100.00 7 19 7 1691.20 -13.14 5.97 29.65 117.09 7 47 18 1091.2 -9.41 359.17
 100.00 16 34 35 5016.52 28.55 219.28 36.10 80.74 17 58 12 4416.5 26.98 210.83
 110.00 8 14 27 1517.91 -16.26 351.05 27.88 120.49 8 39 45 917.9 -12.09 344.42
 110.00 17 55 45 4762.57 32.04 199.21 35.32 77.40 19 15 7 4162.6 29.98 190.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4045 TRA -.6756 TC3 .2737 BAU .1102 SGT 915.8 SGR 438.9 SG3 84.7 ST 494.3 SR 393.7 SS 435.7
 RDE -.3592 RRA -.1427 RC3 .1158 FAU .02505 RRT -.0451 RRF .0486 RTF -.7340 CRT -.8287 CRS -.9441 CST .9648
 FDE -.3999 FRA .2770 FC3 -.7817 BSP 2603 SGB 1015.5 R23 -.0057 R13 .7341 LSA 745.8 MSA 180.3 SSA 17.5
 BDE .5410 BRA .6905 BC3 .2972 FSP -203 SG1 916.1 SG2 438.3 THA 178.40 EL1 605.8 EL2 179.8 ALF 142.74

LAUNCH DATE JUN 19 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 195.090

RL 152.00 LAL -.00 LOL 267.05 VL 24.608 GAL -1.10 AZL 93.43 HCA 81.67 SMA 116.35 ECC .30700 INC 3.4276 V1 29.310
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.044 GAP -17.50 AZP 90.50 TAL 182.48 TAP 264.14 RCA 80.63 APO 152.07 V2 34.834
 RC 44.099 GL -17.08 GP -2.04 ZAL 96.91 ZAP 3.19 ETS 140.15 ZAE 157.81 ETE 26.37 ZAC 94.61 ETC 13.83 CLP 2.46

PLANETOCENTRIC CONIC

C3 25.095 VHL 5.010 DLA -11.67 RAL 163.89 RAD 6568.0 VEL 12.103 PTH 2.17 VHP 10.710 DPA 4.74 RAP 172.41 ECC 1.4130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 6 0 42 1898.82 -10.87 22.40 27.29 116.31 6 32 21 1298.8 -7.25 15.59
 90.00 14 59 0 5284.04 27.11 239.21 33.18 81.49 16 27 4 4684.0 25.65 230.84
 100.00 7 16 8 1655.45 -12.03 3.90 26.69 117.57 7 43 44 1055.5 -8.24 357.16
 100.00 16 26 15 5002.64 28.39 218.28 32.95 80.24 17 49 38 4402.6 26.75 209.86
 110.00 8 11 1 1483.59 -15.07 349.11 24.94 121.05 8 35 45 883.6 -10.84 342.55
 110.00 17 47 52 4747.27 31.81 198.08 32.15 76.77 19 6 59 4147.3 29.66 189.53

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4079 TRA -.6468 TC3 .3409 BAU .1217 SGT 951.3 SGR 438.4 SG3 94.2 ST 518.8 SR 393.4 SS 461.4
 RDE -.3415 RRA -.1329 RC3 .1243 FAU .02670 RRT -.0538 RRF .0583 RTF -.7506 CRT -.8411 CRS -.9512 CST .9648
 FDE -.4276 FRA .2661 FC3 -.9213 BSP 2743 SGB 1047.4 R23 -.0071 R13 .7507 LSA 777.7 MSA 177.6 SSA 18.1
 BDE .5320 BRA .6603 BC3 .3628 FSP -229 SG1 951.7 SG2 437.6 THA 178.20 EL1 626.8 EL2 176.1 ALF 144.22

LAUNCH DATE JUN 19 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 201.801

RL 152.00 LAL -.00 LOL 267.05 VL 24.864 GAL -1.25 AZL 93.39 HCA 84.84 SMA 117.66 ECC .29267 INC 3.3923 V1 29.310
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.228 GAP -16.47 AZP 90.31 TAL 183.03 TAP 267.87 RCA 83.22 APO 152.09 V2 34.842
 RC 44.820 GL -17.93 GP -2.16 ZAL 98.12 ZAP 2.24 ETS 104.76 ZAE 155.91 ETE 23.44 ZAC 93.38 ETC 13.77 CLP .58

PLANETOCENTRIC CONIC

C3 22.825 VHL 4.778 DLA -11.95 RAL 162.37 RAD 6567.9 VEL 12.008 PTH 2.14 VHP 10.125 DPA 4.11 RAP 173.55 ECC 1.3756
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 57 3 1865.96 -9.87 20.50 24.34 116.68 6 28 9 1266.0 -6.21 13.73
 90.00 14 50 32 5270.45 26.97 238.24 30.04 81.03 16 18 23 4670.5 25.45 229.90
 100.00 7 12 19 1623.16 -11.00 4.05 23.74 117.97 7 39 22 1023.2 -7.18 355.35
 100.00 16 17 58 4988.49 28.23 217.26 29.80 79.73 17 41 6 4388.5 26.52 208.87
 110.00 8 6 48 1452.49 -13.97 347.37 22.01 121.52 8 31 1 852.5 -9.69 340.88
 110.00 17 39 57 4731.92 31.56 196.95 28.97 76.14 18 58 49 4131.9 29.34 188.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4109 TRA -.6175 TC3 .4139 BAU .1326 SGT 986.1 SGR 437.0 SG3 104.7 ST 542.8 SR 392.6 SS 487.6
 RDE -.3252 RRA -.1238 RC3 .1318 FAU .02857 RRT -.0639 RRF .0688 RTF -.7653 CRT -.8531 CRS -.9578 CST .9649
 FDE -.4575 FRA .2531 FC3 -1.0836 BSP 2882 SGB 1078.6 R23 -.0081 R13 .7656 LSA 809.8 MSA 174.6 SSA 18.7
 BDE .5240 BRA .6298 BC3 .4344 FSP -259 SG1 986.6 SG2 435.9 THA 177.99 EL1 647.5 EL2 171.7 ALF 145.56

LAUNCH DATE JUN 19 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 208.521

RL 152.00 LAL -.00 LOL 267.05 VL 25.099 GAL -1.41 AZL 93.36 HCA 88.01 SMA 118.89 ECC .27947 INC 3.3574 V1 29.310
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.398 GAP -15.49 AZP 90.12 TAL 183.64 TAP 271.64 RCA 85.67 APO 152.12 V2 34.851
 RC 45.690 GL -18.76 GP -2.30 ZAL 99.43 ZAP 2.66 ETS 59.39 ZAE 154.13 ETE 20.96 ZAC 92.21 ETC 13.72 CLP -1.34

PLANETOCENTRIC CONIC

C3 20.877 VHL 4.569 DLA -12.18 RAL 160.77 RAD 6567.8 VEL 11.927 PTH 2.12 VHP 9.566 DPA 3.48 RAP 174.64 ECC 1.3436
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 33 1836.86 -8.98 18.83 21.42 116.97 6 23 9 1236.9 -5.29 12.09
 90.00 14 42 15 5256.45 26.82 237.24 26.90 80.55 16 9 52 4656.4 25.24 228.93
 100.00 7 7 40 1594.49 -10.08 .42 20.83 118.29 7 34 14 994.5 -6.22 353.76
 100.00 16 9 49 4974.04 28.05 216.22 26.66 79.21 17 32 43 4374.0 26.27 207.87
 110.00 8 1 51 1424.77 -12.97 345.84 19.12 121.91 8 25 36 824.8 -8.67 339.39
 110.00 17 32 7 4716.53 31.31 195.83 25.82 75.52 18 50 43 4116.5 29.00 187.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .4150 TRA -.5874 TC3 .4975 BAU .1441 SGT 1022.4 SGR 434.8 SG3 116.7 ST 567.5 SR 391.5 SS 515.0
 RDE -.3102 RRA -.1153 RC3 .1380 FAU .03069 RRT -.0757 RRF .0813 RTF -.7808 CRT -.8656 CRS -.9641 CST .9653
 FDE -.4907 FRA .2371 FC3 -1.2727 BSP 3035 SGB 1111.0 R23 -.0092 R13 .7811 LSA 843.1 MSA 171.1 SSA 19.3
 BDE .5181 BRA .5986 BC3 .5162 FSP -294 SG1 1023.0 SG2 433.3 THA 177.75 EL1 669.1 EL2 166.3 ALF 146.84

LAUNCH DATE JUN 19 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 215.248

RL 152.00 LAL -.00 LOL 267.05 VL 25.314 GAL -1.56 AZL 93.32 HCA 91.18 SMA 120.06 ECC .26735 INC 3.3227 V1 29.310
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.556 GAP -14.55 AZP 89.93 TAL 184.29 TAP 275.47 RCA 87.96 APO 152.16 V2 34.860
 RC 46.700 GL -19.55 GP -2.46 ZAL 100.81 ZAP 4.12 ETS 36.04 ZAE 152.51 ETE 18.81 ZAC 91.08 ETC 13.69 CLP -3.31

PLANETOCENTRIC CONIC

C3 19.208 VHL 4.383 DLA -12.33 RAL 159.10 RAD 6567.8 VEL 11.857 PTH 2.10 VHP 9.032 DPA 2.85 RAP 175.67 ECC 1.3161
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 47 14 1811.65 -8.19 17.39 18.54 117.20 6 17 26 1211.6 -4.48 10.67
 90.00 14 34 15 5241.98 26.65 236.21 23.81 80.06 16 1 37 4642.0 25.01 227.93
 100.00 7 2 15 1569.61 -9.28 359.01 17.96 118.54 7 28 25 969.6 -5.39 352.38
 100.00 16 1 55 4959.26 27.85 215.16 23.56 78.69 17 24 34 4359.3 26.01 206.85
 110.00 7 56 14 1400.55 -12.10 344.51 16.28 122.22 8 19 35 800.6 -7.76 338.10
 110.00 17 24 26 4701.07 31.04 194.70 22.70 74.90 18 42 47 4101.1 28.66 186.31

DIFFERENTIAL CORRECTIONS

TDE .4170 TRA -.5578 TC3 .5831 BAU .1541
 RDE -.2966 RRA -.1074 RC3 .1423 FAU .03306
 FDE -.5272 FRA .2181 FC3-1.4902 BSP 3138
 BDE .5117 BRA .5680 BC3 .6002 FSP -332

MID-COURSE EXECUTION ACCURACY

SGT 1056.2 SGR 431.9 SG3 130.1
 RRT -.0884 RRF .0958 RTF -.7932
 SGB 1141.1 R23 -.0118 R13 .7935
 SG1 1057.0 SG2 429.9 THA 177.52

ORBIT DETERMINATION ACCURACY

ST 589.5 SR 390.1 SS 543.0
 CRT -.8768 CRS -.9699 CST .9651
 LSA 875.2 MSA 167.9 SSA 19.9
 EL1 688.4 EL2 160.7 ALF 147.92

LAUNCH DATE JUN 19 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 221.978

RL 152.00 LAL -.00 LOL 267.05 VL 25.511 GAL -1.71 AZL 93.29 HCA 94.36 SMA 121.15 ECC .25625 INC 3.2878 V1 29.310
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.701 GAP -13.64 AZP 89.75 TAL 184.99 TAP 279.35 RCA 90.11 APO 152.20 V2 34.870
 RC 47.841 GL -20.29 GP -2.63 ZAL 102.25 ZAP 5.96 ETS 25.57 ZAE 151.08 ETE 16.93 ZAC 90.02 ETC 13.67 CLP -5.35

PLANETOCENTRIC CONIC

C3 17.780 VHL 4.217 DLA -12.43 RAL 157.39 RAD 6567.7 VEL 11.797 PTH 2.09 VHP 8.521 DPA 2.23 RAP 176.64 ECC 1.2926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 12 1790.39 -7.53 16.18 15.73 117.38 6 11 2 1190.4 -3.80 9.48
 90.00 14 26 38 5227.01 26.47 235.15 20.78 79.56 15 53 45 4627.0 24.76 226.90
 100.00 6 56 10 1548.53 -8.59 357.83 15.16 118.74 7 21 58 948.5 -4.69 351.21
 100.00 15 54 22 4944.10 27.65 214.09 20.52 78.15 17 16 46 4344.1 25.73 205.81
 110.00 7 50 1 1379.88 -11.35 343.38 13.50 122.46 8 13 1 779.9 -6.98 337.00
 110.00 17 17 0 4685.52 30.76 193.58 19.65 74.29 18 35 5 4085.5 28.30 185.24

DIFFERENTIAL CORRECTIONS

TDE .4196 TRA -.5267 TC3 .6766 BAU .1644
 RDE -.2842 RRA -.1002 RC3 .1443 FAU .03578
 FDE -.5676 FRA .1947 FC3-1.7422 BSP 3285
 BDE .5068 BRA .5361 BC3 .6918 FSP -378

MID-COURSE EXECUTION ACCURACY

SGT 1089.8 SGR 428.2 SG3 145.3
 RRT -.1040 RRF .1129 RTF -.8059
 SGB 1170.9 R23 -.0140 R13 .8063
 SG1 1090.9 SG2 425.5 THA 177.24

ORBIT DETERMINATION ACCURACY

ST 611.3 SR 388.4 SS 571.9
 CRT -.8882 CRS -.9753 CST .9653
 LSA 907.8 MSA 164.5 SSA 20.5
 EL1 707.7 EL2 154.2 ALF 148.92

LAUNCH DATE JUN 19 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 228.707

RL 152.00 LAL -.00 LOL 267.05 VL 25.690 GAL -1.86 AZL 93.25 HCA 97.54 SMA 122.18 ECC .24614 INC 3.2526 V1 29.310
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.836 GAP -12.78 AZP 89.57 TAL 185.72 TAP 283.26 RCA 92.11 APO 152.25 V2 34.881
 RC 49.103 GL -20.98 GP -2.83 ZAL 103.73 ZAP 7.97 ETS 20.04 ZAE 149.85 ETE 15.25 ZAC 89.03 ETC 13.66 CLP -7.46

PLANETOCENTRIC CONIC

C3 16.559 VHL 4.069 DLA -12.45 RAL 155.65 RAD 6567.7 VEL 11.745 PTH 2.07 VHP 8.033 DPA 1.62 RAP 177.54 ECC 1.2725
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 31 1773.05 -6.99 15.20 13.00 117.51 6 4 4 1173.0 -3.25 8.51
 90.00 14 19 30 5211.52 26.27 234.06 17.84 79.04 15 46 22 4611.5 24.50 225.84
 100.00 6 49 28 1531.25 -8.02 356.86 12.44 118.89 7 14 59 931.2 -4.11 350.26
 100.00 15 47 14 4928.56 27.42 212.98 17.57 77.61 17 9 23 4328.6 25.44 204.74
 110.00 7 43 17 1362.71 -10.72 342.45 10.81 122.66 8 6 0 762.7 -6.34 336.09
 110.00 17 9 55 4669.86 30.46 192.45 16.68 73.69 18-27 45 4069.9 27.93 184.17

DIFFERENTIAL CORRECTIONS

TDE .4215 TRA -.4959 TC3 .7715 BAU .1737
 RDE -.2731 RRA -.0937 RC3 .1434 FAU .03884
 FDE -.6126 FRA .1672 FC3-2.0308 BSP 3412
 BDE .5022 BRA .5047 BC3 .7847 FSP -429

MID-COURSE EXECUTION ACCURACY

SGT 1121.5 SGR 423.9 SG3 162.4
 RRT -.1225 RRF .1331 RTF -.8168
 SGB 1199.0 R23 -.0168 R13 .8173
 SG1 1122.9 SG2 420.2 THA 176.92

ORBIT DETERMINATION ACCURACY

ST 631.3 SR 386.6 SS 601.7
 CRT -.8989 CRS -.9801 CST .9653
 LSA 940.0 MSA 161.4 SSA 21.0
 EL1 725.5 EL2 147.4 ALF 149.79

LAUNCH DATE JUN 19 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 235.432

RL 152.00 LAL -.00 LOL 267.05 VL 25.853 GAL -2.00 AZL 93.22 HCA 100.72 SMA 123.13 ECC .23694 INC 3.2168 V1 29.310
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.960 GAP -11.94 AZP 89.40 TAL 186.48 TAP 287.19 RCA 93.95 APO 152.30 V2 34.891
 RC 50.476 GL -21.60 GP -3.05 ZAL 105.23 ZAP 10.11 ETS 16.70 ZAE 148.84 ETE 13.72 ZAC 88.13 ETC 13.67 CLP -9.65

PLANETOCENTRIC CONIC

C3 15.517 VHL 3.939 DLA -12.42 RAL 153.93 RAD 6567.6 VEL 11.700 PTH 2.06 VHP 7.568 DPA 1.01 RAP 178.35 ECC 1.2554
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 27 19 1759.51 -6.56 14.43 10.37 117.61 5 56 39 1159.5 -2.81 7.75
 90.00 14 12 55 5195.51 26.06 232.94 14.99 78.52 15 39 31 4595.5 24.22 224.76
 100.00 6 42 17 1517.63 -7.57 356.10 9.82 119.00 7 7 35 917.6 -3.65 349.51
 100.00 15 40 38 4912.62 27.19 211.86 14.72 77.07 17 2 31 4312.6 25.13 203.66
 110.00 7 36 9 1348.94 -10.21 341.70 8.22 122.80 7 58 38 748.9 -5.82 335.37
 110.00 17 3 16 4654.08 30.16 191.32 13.82 73.09 18 20 50 4054.1 27.55 183.10

DIFFERENTIAL CORRECTIONS

TDE .4217 TRA -.4655 TC3 .8677 BAU .1823
 RDE -.2631 RRA -.0879 RC3 .1392 FAU .04234
 FDE -.6617 FRA .1358 FC3-2.3620 BSP 3520
 BDE .4970 BRA .4737 BC3 .8788 FSP -486

MID-COURSE EXECUTION ACCURACY

SGT 1150.7 SGR 419.0 SG3 181.9
 RRT -.1431 RRF .1562 RTF -.8268
 SGB 1224.6 R23 -.0205 R13 .8275
 SG1 1152.5 SG2 414.1 THA 176.57

ORBIT DETERMINATION ACCURACY

ST 648.0 SR 384.7 SS 631.7
 CRT -.9086 CRS -.9842 CST .9651
 LSA 970.2 MSA 158.8 SSA 21.5
 EL1 740.3 EL2 140.7 ALF 150.49

LAUNCH DATE JUN 19 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 242.150

RL 152.00 LAL -1.00 LOL 267.05 VL 26.001 GAL -2.14 AZL 93.18 HCA 103.90 SMA 124.01 ECC .22862 INC 3.1803 V1 29.310
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.074 GAP -11.14 AZP 89.24 TAL 187.25 TAP 291.15 RCA 95.66 APO 152.36 V2 34.903
 RC 51.950 GL -22.14 GP -3.30 ZAL 106.73 ZAP 12.37 ETS 14.50 ZAE 148.07 ETE 12.31 ZAC 87.33 ETC 13.68 CLP -11.93

PLANETOCENTRIC CONIC

C3 14.628 VHL 3.825 DLA -12.32 RAL 152.23 RAD 6567.6 VEL 11.662 PTH 2.05 VHP 7.125 DPA .42 RAP 179.07 ECC 1.2407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 42 1749.59 -6.25 13.87 7.86 117.68 5 48 52 1149.6 -2.49 7.20
 90.00 14 6 57 5179.00 25.83 231.78 12.28 77.98 15 33 16 4579.0 23.92 223.64
 100.00 6 34 44 1507.52 -7.24 355.53 7.32 119.08 6 59 52 907.5 -3.31 348.95
 100.00 15 34 37 4896.30 26.93 210.71 12.00 76.52 16 56 13 4296.3 24.81 202.56
 110.00 7 28 44 1338.41 -9.82 341.13 5.75 122.91 7 51 2 738.4 -5.42 334.81
 110.00 16 57 6 4638.17 29.84 190.20 11.08 72.49 18 14 24 4038.2 27.15 182.04

DIFFERENTIAL CORRECTIONS

TDE .4229 TRA -.4337 TC3 .9656 BAU .1906
 RDE -.2543 RRA -.0828 RC3 .1311 FAU .04632
 FDE -.7178 FRA .0978 FC3-2.7413 BSP 3661
 BDE .4935 BRA .4416 BC3 .9745 FSP -554

MID-COURSE EXECUTION ACCURACY

SGT 1178.7 SGR 413.8 SG3 204.0
 RRT -.1699 RRF .1845 RTF -.8371
 SGB 1249.2 R23 -.0234 R13 .8379
 SG1 1181.1 SG2 407.0 THA 176.13

ORBIT DETERMINATION ACCURACY

ST 664.6 SR 382.8 SS 663.7
 CRT -.2184 CRS -.9878 CST .9653
 LSA 1001.9 MSA 156.1 SSA 21.9
 EL1 755.3 EL2 133.3 ALF 151.14

LAUNCH DATE JUN 19 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 248.860

RL 152.00 LAL -1.00 LOL 267.05 VL 26.134 GAL -2.26 AZL 93.14 HCA 107.08 SMA 124.83 ECC .22111 INC 3.1427 V1 29.310
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.179 GAP -10.37 AZP 89.08 TAL 188.03 TAP 295.11 RCA 97.22 APO 152.43 V2 34.914
 RC 53.515 GL -22.61 GP -3.58 ZAL 108.21 ZAP 14.75 ETS 12.97 ZAE 147.54 ETE 10.97 ZAC 86.63 ETC 13.71 CLP -14.32

PLANETOCENTRIC CONIC

C3 13.869 VHL 3.724 DLA -12.17 RAL 150.57 RAD 6567.5 VEL 11.630 PTH 2.04 VHP 6.704 DPA -.16 RAP 179.67 ECC 1.2282
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 11 49 1743.04 -6.04 13.50 5.48 117.72 5 40 52 1143.0 -2.28 6.83
 90.00 14 1 40 5162.02 25.59 230.60 9.70 77.44 15 27 42 4562.0 23.60 222.49
 100.00 6 26 56 1500.66 -7.01 355.15 4.95 119.13 6 51 57 900.7 -3.07 348.57
 100.00 15 29 14 4879.63 26.66 209.55 9.42 75.96 16 50 33 4279.6 24.47 201.43
 110.00 7 21 9 1330.89 -9.54 340.73 3.41 122.98 7 43 20 730.9 -5.13 334.42
 110.00 16 51 31 4622.16 29.50 189.07 8.49 71.90 18 8 33 4022.2 26.75 180.97

DIFFERENTIAL CORRECTIONS

TDE .4207 TRA -.4041 TC3 1.0558 BAU .1970
 RDE -.2464 RRA -.0784 RC3 .1186 FAU .05083
 FDE -.7787 FRA .0546 FC3-3.1727 BSP 3751
 BDE .4876 BRA .4117 BC3 1.0625 FSP -630

MID-COURSE EXECUTION ACCURACY

SGT 1200.8 SGR 408.3 SG3 229.0
 RRT -.1989 RRF .2171 RTF -.8446
 SGB 1268.4 R23 -.0288 R13 .8456
 SG1 1203.9 SG2 399.2 THA 175.65

ORBIT DETERMINATION ACCURACY

ST 675.2 SR 380.9 SS 695.3
 CRT -.9264 CRS -.9908 CST .9648
 LSA 1029.6 MSA 154.7 SSA 22.2
 EL1 764.9 EL2 126.7 ALF 151.56

LAUNCH DATE JUN 19 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 255.558

RL 152.00 LAL -1.00 LOL 267.05 VL 26.255 GAL -2.38 AZL 93.10 HCA 110.27 SMA 125.57 ECC .21437 INC 3.1038 V1 29.310
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.275 GAP -9.63 AZP 88.92 TAL 188.80 TAP 299.06 RCA 98.65 APO 152.49 V2 34.926
 RC 55.163 GL -22.99 GP -3.90 ZAL 109.65 ZAP 17.27 ETS 11.85 ZAE 147.27 ETE 9.68 ZAC 86.06 ETC 13.75 CLP -16.84

PLANETOCENTRIC CONIC

C3 13.221 VHL 3.636 DLA -11.95 RAL 148.99 RAD 6567.5 VEL 11.602 PTH 2.03 VHP 6.303 DPA -.73 RAP 180.15 ECC 1.2176
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 46 1739.55 -5.93 13.30 3.26 117.74 5 32 45 1139.6 -2.17 6.64
 90.00 13 57 6 5144.64 25.32 229.40 7.27 76.89 15 22 50 4544.6 23.27 221.33
 100.00 6 19 1 1496.77 -6.88 354.93 2.74 119.16 6 43 58 896.8 -2.94 348.36
 100.00 15 24 32 4862.66 26.38 208.37 6.99 75.40 16 45 34 4262.7 24.11 200.30
 110.00 7 13 30 1326.13 -9.37 340.47 1.22 123.03 7 35 36 726.1 -4.95 334.17
 110.00 16 46 32 4606.05 29.16 187.94 6.05 71.31 18 3 18 4006.1 26.33 179.90

DIFFERENTIAL CORRECTIONS

TDE .4162 TRA -.3761 TC3 1.1378 BAU .2019
 RDE -.2395 RRA -.0746 RC3 .1011 FAU .05594
 FDE -.8455 FRA .0059 FC3-3.6632 BSP 3818
 BDE .4802 BRA .3834 BC3 1.1423 FSP -717

MID-COURSE EXECUTION ACCURACY

SGT 1217.3 SGR 402.9 SG3 257.3
 RRT -.2323 RRF .2549 RTF -.8505
 SGB 1282.2 R23 -.0356 R13 .8518
 SG1 1221.3 SG2 390.6 THA 175.10

ORBIT DETERMINATION ACCURACY

ST 681.0 SR 379.2 SS 726.9
 CRT -.9331 CRS -.9931 CST .9641
 LSA 1054.4 MSA 154.1 SSA 22.4
 EL1 770.1 EL2 120.6 ALF 151.79

LAUNCH DATE JUN 19 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 262.243

RL 152.00 LAL -1.00 LOL 267.05 VL 26.364 GAL -2.49 AZL 93.06 HCA 113.45 SMA 126.25 ECC .20834 INC 3.0632 V1 29.310
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.363 GAP -8.92 AZP 88.78 TAL 189.55 TAP 303.00 RCA 99.95 APO 152.56 V2 34.938
 RC 56.885 GL -23.30 GP -4.27 ZAL 111.04 ZAP 19.93 ETS 11.01 ZAE 147.27 ETE 8.41 ZAC 85.63 ETC 13.79 CLP -19.49

PLANETOCENTRIC CONIC

C3 12.665 VHL 3.559 DLA -11.71 RAL 147.50 RAD 6567.5 VEL 11.578 PTH 2.02 VHP 5.924 DPA -1.28 RAP 180.49 ECC 1.2084
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 55 41 1738.83 -5.91 13.26 1.18 117.74 5 24 40 1138.8 -2.15 6.60
 90.00 13 53 16 5126.89 25.05 228.17 5.01 76.34 15 18 43 4526.9 22.92 220.15
 100.00 6 11 5 1495.54 -6.84 354.86 .67 119.17 6 36 1 895.5 -2.90 348.29
 100.00 15 20 32 4845.41 26.08 207.17 4.72 74.84 16 41 18 4245.4 23.74 199.15
 110.00 7 5 54 1323.86 -9.28 340.35 359.19 123.05 7 27 58 723.9 -4.87 334.05
 110.00 16 42 12 4589.86 28.80 186.82 3.77 70.73 17 58 42 3989.9 25.90 178.84

DIFFERENTIAL CORRECTIONS

TDE .4102 TRA -.3490 TC3 1.2109 BAU .2055
 RDE -.2336 RRA -.0716 RC3 .0781 FAU .06176
 FDE -.9201 FRA -.0502 FC3-4.2218 BSP 3868
 BDE .4720 BRA .3563 BC3 1.2134 FSP -816

MID-COURSE EXECUTION ACCURACY

SGT 1228.1 SGR 398.0 SG3 289.5
 RRT -.2718 RRF .2997 RTF -.8555
 SGB 1291.0 R23 -.0441 R13 .8572
 SG1 1233.4 SG2 381.4 THA 174.43

ORBIT DETERMINATION ACCURACY

ST 683.0 SR 377.7 SS 759.7
 CRT -.9390 CRS -.9949 CST .9631
 LSA 1078.0 MSA 154.1 SSA 22.4
 EL1 771.9 EL2 115.0 ALF 151.88

LAUNCH DATE JUN 19 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 268.913

RL 152.00 LAL -0.00 LOL 267.05 VL 26.461 GAL -2.59 AZL 93.02 HCA 116.64 SMA 126.87 ECC .20297 INC 3.0206 V1 29.310
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.443 GAP -8.23 AZP 88.64 TAL 190.28 TAP 306.92 RCA 101.12 APO 152.62 V2 34.951
 RC 58.673 GL -23.52 GP -4.68 ZAL 112.36 ZAP 22.76 ETS 10.37 ZAE 147.54 ETE 7.11 ZAC 85.37 ETC 13.84 CLP -22.29

PLANETOCENTRIC CONIC

C3 12.188 VHL 3.491 DLA -11.41 RAL 146.11 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 5.566 DPA -1.82 RAP 180.67 ECC 1.2006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 40 1740.54 -5.96 13.36 359.28 117.73 5 16 41 1140.5 -2.20 6.69
 90.00 13 50 11 5108.83 24.75 226.93 2.92 75.78 15 15 20 4508.8 22.55 218.95
 100.00 6 3 15 1496.68 -6.88 354.93 358.78 119.16 6 28 12 896.7 -2.94 348.36
 100.00 15 17 17 4827.91 25.76 205.97 2.63 74.28 16 37 45 4227.9 23.35 198.00
 110.00 6 58 28 1323.78 -9.28 340.35 357.32 123.05 7 20 32 723.8 -4.86 334.04
 110.00 16 38 33 4573.58 28.43 185.70 1.66 70.16 17 54 47 3973.6 25.46 177.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4012 TRA -.3246 TC3 1.2690 BAU .2069 SGT 1230.4 SGR 394.0 SG3 325.8 ST 678.8 SR 376.6 SS 792.5
 RDE -.2285 RRA -.0694 RC3 .0489 FAU .06833 RRT -.3166 RRF .3516 RTF -.8583 CRT -.9434 CRS -.9962 CST .9617
 FDE -1.0016 FRA -.1123 FC3 -4.8535 BSP 3886 SGB 1292.0 R23 -.0554 R13 .8607 LSA 1098.2 MSA 155.0 SSA 22.3
 BDE .4617 BRA .3320 BC3 1.2699 FSP -927 SG1 1237.4 SG2 371.7 THA 173.63 EL1 768.4 EL2 110.3 ALF 151.74

LAUNCH DATE JUN 19 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 275.566

RL 152.00 LAL -0.00 LOL 267.05 VL 26.547 GAL -2.68 AZL 92.98 HCA 119.84 SMA 127.43 ECC .19821 INC 2.9755 V1 29.310
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.516 GAP -7.57 AZP 88.52 TAL 190.97 TAP 310.81 RCA 102.17 APO 152.69 V2 34.964
 RC 60.521 GL -23.65 GP -5.15 ZAL 113.59 ZAP 25.76 ETS 9.88 ZAE 148.11 ETE 5.74 ZAC 85.29 ETC 13.88 CLP -25.28

PLANETOCENTRIC CONIC

C3 11.775 VHL 3.431 DLA -11.08 RAL 144.83 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 5.229 DPA -2.33 RAP 180.67 ECC 1.1938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 39 50 1744.40 -6.08 13.58 357.55 117.71 5 8 54 1144.4 -2.33 6.91
 90.00 13 47 52 5090.45 24.44 225.67 1.01 75.23 15 12 42 4490.4 22.17 217.74
 100.00 5 55 36 1499.90 -6.99 355.11 357.06 119.14 6 20 36 899.9 -3.05 348.53
 100.00 15 14 46 4810.17 25.43 204.76 .71 73.73 16 34 56 4210.2 22.95 196.83
 110.00 6 51 15 1325.64 -9.35 340.45 355.62 123.03 7 13 21 725.6 -4.93 334.14
 110.00 16 35 36 4557.20 28.04 184.58 359.74 69.60 17 51 34 3957.2 25.01 176.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3919 TRA -.3003 TC3 1.3171 BAU .2073 SGT 1227.3 SGR 392.2 SG3 367.5 ST 672.6 SR 376.3 SS 828.4
 RDE -.2244 RRA -.0680 RC3 .0122 FAU .07587 RRT -.3707 RRF .4130 RTF -.8610 CRT -.9476 CRS -.9972 CST .9604
 FDE -1.0945 FRA -.1853 FC3 -5.5781 BSP 3924 SGB 1288.4 R23 -.0684 R13 .8643 LSA 1120.4 MSA 156.0 SSA 22.1
 BDE .4516 BRA .3079 BC3 1.3172 FSP -1061 SG1 1238.7 SG2 361.5 THA 172.61 EL1 763.3 EL2 105.9 ALF 151.47

LAUNCH DATE JUN 19 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 282.201

RL 152.00 LAL -0.00 LOL 267.05 VL 26.624 GAL -2.76 AZL 92.93 HCA 123.03 SMA 127.93 ECC .19400 INC 2.9274 V1 29.310
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.582 GAP -6.93 AZP 88.40 TAL 191.62 TAP 314.65 RCA 103.11 APO 152.75 V2 34.977
 RC 62.420 GL -23.70 GP -5.69 ZAL 114.74 ZAP 28.97 ETS 9.48 ZAE 148.97 ETE 4.25 ZAC 85.41 ETC 13.93 CLP -28.45

PLANETOCENTRIC CONIC

C3 11.414 VHL 3.379 DLA -10.71 RAL 143.69 RAD 6567.4 VEL 11.524 PTH 2.01 VHP 4.913 DPA -2.83 RAP 180.46 ECC 1.1879
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 32 14 1750.11 -6.26 13.90 355.99 117.67 5 1 24 1150.1 -2.51 7.23
 90.00 13 46 19 5071.76 24.11 224.41 359.28 74.67 15 10 51 4471.8 21.77 216.51
 100.00 5 48 14 1504.93 -7.15 355.39 355.51 119.10 6 13 19 904.9 -3.22 348.81
 100.00 15 13 0 4792.18 25.08 203.53 358.97 73.17 16 32 52 4192.2 22.53 195.66
 110.00 6 44 21 1329.19 -9.48 340.64 354.09 123.00 7 6 30 729.2 -5.07 334.33
 110.00 16 33 22 4540.68 27.65 183.46 357.99 69.05 17 49 3 3940.7 24.55 175.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3774 TRA -.2807 TC3 1.3393 BAU .2044 SGT 1209.7 SGR 393.2 SG3 413.8 ST 656.9 SR 376.5 SS 862.4
 RDE -.2211 RRA -.0674 RC3 -.0324 FAU .08425 RRT -.4276 RRF .4809 RTF -.8598 CRT -.9497 CRS -.9977 CST .9579
 FDE -1.1927 FRA -.2634 FC3 -6.3897 BSP 3877 SGB 1272.0 R23 -.0876 R13 .8645 LSA 1136.4 MSA 158.1 SSA 21.7
 BDE .4374 BRA .2887 BC3 1.3397 FSP -1206 SG1 1222.4 SG2 351.7 THA 171.37 EL1 750.1 EL2 103.3 ALF 150.83

LAUNCH DATE JUN 19 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 288.818

RL 152.00 LAL -0.00 LOL 267.05 VL 26.692 GAL -2.83 AZL 92.88 HCA 126.23 SMA 128.38 ECC .19032 INC 2.8756 V1 29.310
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.642 GAP -6.31 AZP 88.30 TAL 192.21 TAP 318.43 RCA 103.95 APO 152.81 V2 34.990
 RC 64.367 GL -23.67 GP -6.31 ZAL 115.80 ZAP 32.40 ETS 9.16 ZAE 150.13 ETE 2.55 ZAC 85.75 ETC 13.96 CLP -31.84

PLANETOCENTRIC CONIC

C3 11.096 VHL 3.331 DLA -10.31 RAL 142.68 RAD 6567.4 VEL 11.510 PTH 2.00 VHP 4.619 DPA -3.32 RAP 180.03 ECC 1.1826
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 24 56 1757.47 -6.50 14.31 354.61 117.62 4 54 14 1157.5 -2.75 7.64
 90.00 13 45 33 5052.71 23.76 223.12 357.72 74.12 15 9 46 4452.7 21.35 215.27
 100.00 5 41 10 1511.55 -7.37 355.76 354.13 119.05 6 6 22 911.5 -3.44 349.17
 100.00 15 12 1 4773.86 24.71 202.30 357.41 72.62 16 31 35 4173.9 22.10 194.47
 110.00 6 37 48 1334.22 -9.67 340.91 352.74 122.95 7 0 2 734.2 -5.26 334.59
 110.00 16 31 53 4523.95 27.23 182.33 356.42 68.50 17 47 17 3923.9 24.07 174.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3595 TRA -.2645 TC3 1.3382 BAU .1989 SGT 1179.4 SGR 398.5 SG3 465.6 ST 634.4 SR 377.8 SS 896.1
 RDE -.2187 RRA -.0677 RC3 -.0865 FAU .09362 RRT -.4878 RRF .5553 RTF -.8556 CRT -.9502 CRS -.9981 CST .9545
 FDE -1.2983 FRA -.3487 FC3 -7.3042 BSP 3798 SGB 1244.9 R23 -.1137 R13 .8626 LSA 1149.7 MSA 160.7 SSA 21.2
 BDE .4208 BRA .2730 BC3 1.3410 FSP -1371 SG1 1196.8 SG2 342.8 THA 169.79 EL1 731.3 EL2 102.1 ALF 149.84

LAUNCH DATE JUN 19 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 295.415

RL 152.00 LAL -0.00 LOL 267.05 VL 26.751 GAL -2.89 AZL 92.82 HCA 129.43 SMA 128.77 ECC .18710 INC 2.8194 V1 29.310
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.697 GAP -5.71 AZP 88.21 TAL 192.74 TAP 322.16 RCA 104.68 APO 152.86 V2 35.003
 RC 66.356 GL -23.56 GP -7.03 ZAL 116.75 ZAP 36.07 ETS 8.89 ZAE 151.60 ETE .55 ZAC 86.35 ETC 13.97 CLP -35.47

PLANETOCENTRIC CONIC

C3 10.810 VHL 3.288 DLA -9.88 RAL 141.81 RAD 6567.4 VEL 11.498 PTH 2.00 VHP 4.347 DPA -3.80 RAP 179.34 ECC 1.1779
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 17 59 1766.32 -6.78 14.81 353.40 117.56 4 47 25 1166.3 -3.03 8.14
 90.00 13 45 36 5033.16 23.39 221.80 356.34 73.56 15 9 29 4433.2 20.91 214.01
 100.00 5 34 27 1519.62 -7.64 356.21 352.94 118.99 5 59 47 919.6 -3.71 349.62
 100.00 15 11 49 4755.10 24.32 201.04 356.02 72.07 16 31 4 4155.1 21.64 193.27
 110.00 6 31 37 1340.60 -9.90 341.25 351.56 122.89 6 53 58 740.6 -5.50 334.93
 110.00 T6 31 8 4506.88 26.80 181.19 355.02 67.94 17 46 15 3906.9 23.57 173.52

DIFFERENTIAL CORRECTIONS

TDE .3377 TRA -.2526 TC3 1.3063 BAU .1901
 RDE -.2172 RRA -.0688 RC3 -.1513 FAU .10386
 FDE -1.4092 FRA -.4384 FC3-8.3174 BSP 3660
 BDE .4015 BRA .2618 BC3 1.3150 FSP -1551

MID-COURSE EXECUTION ACCURACY

SGT 1133.0 SGR 409.9 SG3 522.3
 RRT -.5467 RRF .6328 RTF -.8463
 SGB 1204.9 R23 -.1496 R13 .8574
 SG1 1157.0 SG2 336.1 THA 167.77

ORBIT DETERMINATION ACCURACY

ST 604.0 SR 380.3 SS 928.6
 CRT -.9487 CRS -.9983 CST .9496
 LSA 1159.5 MSA 163.7 SSA 20.6
 EL1 706.4 EL2 102.9 ALF 148.40

LAUNCH DATE JUN 19 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 301.992

RL 152.00 LAL -0.00 LOL 267.05 VL 26.802 GAL -2.94 AZL 92.76 HCA 132.63 SMA 129.11 ECC .18431 INC 2.7577 V1 29.310
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.745 GAP -5.13 AZP 88.13 TAL 193.20 TAP 325.83 RCA 105.32 APO 152.91 V2 35.016
 RC 68.382 GL -23.36 GP -7.85 ZAL 117.60 ZAP 40.01 ETS 8.64 ZAE 153.38 ETE 358.08 ZAC 87.21 ETC 13.96 CLP -39.36

PLANETOCENTRIC CONIC

C3 10.550 VHL 3.248 DLA -9.41 RAL 141.09 RAD 6567.4 VEL 11.486 PTH 2.00 VHP 4.098 DPA -4.27 RAP 178.39 ECC 1.1736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 11 21 1776.62 -7.10 15.40 352.37 117.48 4 40 58 1176.6 -3.36 8.71
 90.00 13 46 29 5012.92 22.99 220.45 355.12 73.00 15 10 2 4412.9 20.44 212.71
 100.00 5 28 5 1529.09 -7.95 356.74 351.91 118.91 5 53 34 929.1 -4.03 350.14
 100.00 15 12 27 4735.69 23.91 199.74 354.80 71.50 16 31 23 4135.7 21.16 192.02
 110.00 6 25 50 1348.27 -10.19 341.66 350.56 122.81 6 48 18 748.3 -5.79 335.33
 110.00 16 31 12 4489.27 26.35 180.02 353.79 67.39 17 46 1 3889.3 23.05 172.41

DIFFERENTIAL CORRECTIONS

TDE .3138 TRA -.2430 TC3 1.2511 BAU .1794
 RDE -.2171 RRA -.0710 RC3 -.2303 FAU .11534
 FDE -1.5292 FRA -.5377 FC3-9.4652 BSP 3517
 BDE .3816 BRA .2532 BC3 1.2721 FSP -1759

MID-COURSE EXECUTION ACCURACY

SGT 1075.1 SGR 430.3 SG3 586.0
 RRT -.6018 RRF .7110 RTF -.8328
 SGB 1158.0 R23 -.1955 R13 .8511
 SG1 1109.0 SG2 333.1 THA 165.08

ORBIT DETERMINATION ACCURACY

ST 569.2 SR 384.8 SS 962.8
 CRT -.9455 CRS -.9984 CST .9433
 LSA 1170.9 MSA 166.6 SSA 20.0
 EL1 679.0 EL2 105.1 ALF 146.51

LAUNCH DATE JUN 19 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 308.547

RL 152.00 LAL -0.00 LOL 267.05 VL 26.845 GAL -2.97 AZL 92.69 HCA 135.83 SMA 129.41 ECC .18191 INC 2.6892 V1 29.310
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.788 GAP -4.57 AZP 88.07 TAL 193.59 TAP 329.43 RCA 105.87 APO 152.95 V2 35.029
 RC 70.443 GL -23.07 GP -8.80 ZAL 118.34 ZAP 44.21 ETS 8.39 ZAE 155.45 ETE 354.90 ZAC 88.36 ETC 13.90 CLP -43.51

PLANETOCENTRIC CONIC

C3 10.306 VHL 3.210 DLA -8.90 RAL 140.53 RAD 6567.4 VEL 11.476 PTH 1.99 VHP 3.873 DPA -4.74 RAP 177.14 ECC 1.1696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 5 3 1788.40 -7.47 16.07 351.51 117.39 4 34 52 1188.4 -3.74 9.37
 90.00 13 48 17 4991.72 22.56 219.05 354.08 72.42 15 11 28 4391.7 19.94 211.35
 100.00 5 22 4 1539.97 -8.31 357.35 351.05 118.82 5 47 44 940.0 -4.40 350.74
 100.00 15 13 58 4715.38 23.46 198.40 353.75 70.93 16 32 33 4115.4 20.65 190.74
 110.00 6 20 25 1357.23 -10.52 342.15 349.72 122.71 6 43 3 757.2 -6.13 335.80
 110.00 16 32 5 4470.89 25.86 178.82 352.73 66.83 17 46 36 3870.9 22.50 171.27

DIFFERENTIAL CORRECTIONS

TDE .2837 TRA -.2401 TC3 1.1510 BAU .1648
 RDE -.2178 RRA -.0740 RC3 -.3241 FAU .12735
 FDE -1.6440 FRA -.6333 FC3-10.6980 BSP 3282
 BDE .3577 BRA .2513 BC3 1.1958 FSP -1975

MID-COURSE EXECUTION ACCURACY

SGT 995.4 SGR 460.7 SG3 652.9
 RRT -.6381 RRF .7821 RTF -.8065
 SGB 1096.8 R23 -.2585 R13 .8392
 SG1 1043.3 SG2 338.4 THA 161.54

ORBIT DETERMINATION ACCURACY

ST 523.3 SR 390.8 SS 990.9
 CRT -.9376 CRS -.9985 CST .9329
 LSA 1174.4 MSA 170.0 SSA 19.3
 EL1 643.7 EL2 110.5 ALF 143.77

LAUNCH DATE JUN 19 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 315.082

RL 152.00 LAL -0.00 LOL 267.05 VL 26.882 GAL -3.00 AZL 92.61 HCA 139.04 SMA 129.66 ECC .17986 INC 2.6124 V1 29.310
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.827 GAP -4.03 AZP 88.03 TAL 193.91 TAP 332.95 RCA 106.34 APO 152.98 V2 35.042
 RC 72.534 GL -22.68 GP -9.89 ZAL 118.98 ZAP 48.71 ETS 8.11 ZAE 157.75 ETE 350.63 ZAC 89.81 ETC 13.78 CLP -47.94

PLANETOCENTRIC CONIC

C3 10.073 VHL 3.174 DLA -8.34 RAL 140.12 RAD 6567.4 VEL 11.466 PTH 1.99 VHP 3.673 DPA -5.24 RAP 175.58 ECC 1.1658
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 59 1 1801.83 -7.89 16.83 350.81 117.28 4 29 3 1201.8 -4.17 10.12
 90.00 13 51 3 4969.13 22.09 217.56 353.19 71.82 15 13 52 4369.1 19.40 209.92
 100.00 5 16 19 1552.45 -8.72 358.05 350.37 118.71 5 42 12 952.4 -4.82 351.4
 100.00 15 16 26 4693.75 22.98 196.98 352.86 70.33 16 34 40 4093.7 20.09 189.37
 110.00 6 15 21 1367.62 -10.90 342.71 349.06 122.60 6 38 9 767.6 -6.52 336.35
 110.00 16 33 54 4451.34 25.33 177.54 351.83 66.24 17 48 5 3851.3 21.90 170.07

DIFFERENTIAL CORRECTIONS

TDE .2497 TRA -.2418 TC3 1.0116 BAU .1484
 RDE -.2196 RRA -.0779 RC3 -.4369 FAU .14003
 FDE -1.7541 FRA -.7265 FC3-12.0348 BSP 3015
 BDE .3326 BRA .2541 BC3 1.1019 FSP -2206

MID-COURSE EXECUTION ACCURACY

SGT 900.1 SGR 504.3 SG3 723.6
 RRT -.6479 RRF .8435 RTF -.7625
 SGB 1031.8 R23 -.3334 R13 .8250
 SG1 968.0 SG2 357.3 THA 156.69

ORBIT DETERMINATION ACCURACY

ST 470.2 SR 398.9 SS 1015.3
 CRT -.9237 CRS -.9986 CST .9167
 LSA 1175.0 MSA 173.5 SSA 18.5
 EL1 605.1 EL2 118.7 ALF 140.07

LAUNCH DATE JUN 19 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 321.595

RL 152.00 LAL -0.00 LOL 267.05 VL 26.913 GAL -3.01 AZL 92.52 HCA 142.25 SMA 129.87 ECC .17813 INC 2.5248 V1 29.310
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.861 GAP -3.51 AZP 88.00 TAL 194.15 TAP 336.40 RCA 106.74 APO 153.00 V2 35.056
 RC 74.652 GL -22.17 GP -11.15 ZAL 119.53 ZAP 53.48 ETS 7.78 ZAE 160.20 ETE 344.67 ZAC 91.55 ETC 13.59 CLP -52.66

PLANETOCENTRIC CONIC

C3 9.845 VHL 3.138 DLA -7.72 RAL 139.87 RAD 6567.4 VEL 11.456 PTH 1.99 VHP 3.498 DPA -5.78 RAP 173.70 ECC 1.1620
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 53 9 1817.29 -8.37 17.71 350.29 117.15 4 23 27 1217.3 -4.66 10.99
 90.00 13 54 57 4944.56 21.56 215.95 352.46 71.18 15 17 21 4344.6 18.79 208.37
 100.00 5 10 47 1566.86 -9.19 358.86 349.85 118.57 5 36 54 966.9 -5.30 352.23
 100.00 15 20 0 4670.23 22.43 195.44 352.12 69.70 16 37 51 4070.2 19.46 187.90
 110.00 6 10 33 1379.74 -11.34 343.37 348.56 122.46 6 33 33 779.7 -6.98 336.99
 110.00 16 36 44 4430.11 24.74 176.18 351.09 65.62 17 50 34 3830.1 21.24 168.78

DIFFERENTIAL CORRECTIONS

TDE .2126 TRA -.2475 TC3 .8297 BAU .1327
 RDE -.2227 RRA -.0828 RC3 -.5727 FAU .15298
 FDE-1.8525 FRA -.8147 FC-13.4521 BSP 2760
 BDE .3079 BRA .2610 BC3 1.0081 FSP -2451

MID-COURSE EXECUTION ACCURACY

SGT 793.5 SGR 563.8 SG3 796.4
 RRT -.6155 RRF .8926 RTF -.6868
 SGB 973.4 R23 -.4041 R13 .8148
 SG1 888.9 SG2 396.6 THA 149.76

ORBIT DETERMINATION ACCURACY

ST 411.9 SR 409.4 SS 1034.3
 CRT -.9001 CRS -.9987 CST .8908
 LSA 1172.8 MSA 176.6 SSA 17.7
 EL1 566.0 EL2 129.8 ALF 135.19

LAUNCH DATE JUN 19 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 328.086

RL 152.00 LAL -0.00 LOL 267.05 VL 26.938 GAL -3.02 AZL 92.42 HCA 145.46 SMA 130.04 ECC .17670 INC 2.4234 V1 29.310
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.891 GAP -3.00 AZP 88.00 TAL 194.31 TAP 339.77 RCA 107.06 APO 153.02 V2 35.069
 RC 76.795 GL -21.52 GP -12.60 ZAL 119.97 ZAP 58.52 ETS 7.36 ZAE 162.61 ETE 336.09 ZAC 93.60 ETC 13.28 CLP -57.65

PLANETOCENTRIC CONIC

C3 9.616 VHL 3.101 DLA -7.01 RAL 139.80 RAD 6567.3 VEL 11.446 PTH 1.99 VHP 3.352 DPA -6.40 RAP 171.51 ECC 1.1583
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 47 20 1835.36 -8.93 18.74 349.94 116.98 4 17 55 1235.4 -5.24 12.01
 90.00 14 0 10 4917.18 20.95 214.18 351.88 70.50 15 22 7 4317.2 18.10 206.66
 100.00 5 5 19 1583.76 -9.74 359.81 349.51 118.40 5 31 43 983.8 -5.87 353.16
 100.00 15 24 52 4644.02 21.80 193.75 351.54 69.02 16 42 16 4044.0 18.75 186.28
 110.00 6 5 54 1394.06 -11.86 344.15 348.24 122.30 6 29 9 794.1 -7.52 337.75
 110.00 16 40 46 4406.48 24.07 174.67 350.49 64.96 17 54 12 3806.5 20.49 167.35

DIFFERENTIAL CORRECTIONS

TDE .1709 TRA -.2588 TC3 .5934 BAU .1213
 RDE -.2263 RRA -.0880 RC3 -.7341 FAU .16530
 FDE-1.9200 FRA -.8809 FC-14.8816 BSP 2524
 BDE .2836 BRA .2734 BC3 .9439 FSP -2681

MID-COURSE EXECUTION ACCURACY

SGT 683.6 SGR 639.5 SG3 866.0
 RRT -.5046 RRF .9289 RTF -.5439
 SGB 936.1 R23 -.4342 R13 .8258
 SG1 812.8 SG2 464.3 THA 138.76

ORBIT DETERMINATION ACCURACY

ST 347.4 SR 421.2 SS 1040.3
 CRT -.8546 CRS -.9988 CST .8430
 LSA 1160.9 MSA 180.0 SSA 17.0
 EL1 526.6 EL2 144.3 ALF 128.61

LAUNCH DATE JUN 19 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 334.556

RL 152.00 LAL -0.00 LOL 267.05 VL 26.957 GAL -3.01 AZL 92.30 HCA 148.67 SMA 130.17 ECC .17552 INC 2.3040 V1 29.310
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.916 GAP -2.51 AZP 88.03 TAL 194.39 TAP 343.06 RCA 107.32 APO 153.02 V2 35.082
 RC 78.958 GL -20.69 GP -14.29 ZAL 120.33 ZAP 63.79 ETS 6.81 ZAE 164.63 ETE 323.73 ZAC 95.90 ETC 12.83 CLP -62.89

PLANETOCENTRIC CONIC

C3 9.380 VHL 3.063 DLA -6.17 RAL 139.90 RAD 6567.3 VEL 11.435 PTH 1.98 VHP 3.235 DPA -7.14 RAP 169.01 ECC 1.1544
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 19 1857.05 -9.60 19.99 349.76 116.77 4 12 16 1257.0 -5.93 13.23
 90.00 14 7 1 4885.75 20.22 212.16 351.44 69.74 15 28 27 4285.7 17.28 204.72
 100.00 4 59 43 1604.08 -10.39 .97 349.34 118.19 5 26 27 1004.1 -6.54 354.29
 100.00 15 31 17 4613.94 21.05 191.83 351.10 68.28 16 48 11 4013.9 17.92 184.44
 110.00 6 1 16 1411.41 -12.49 345.10 348.10 122.08 6 24 47 811.4 -8.17 338.68
 110.00 16 46 14 4379.38 23.28 172.96 350.05 64.23 17 59 14 3779.4 19.62 165.74

DIFFERENTIAL CORRECTIONS

TDE .1276 TRA -.2733 TC3 .3059 BAU .1225
 RDE -.2304 RRA -.0936 RC3 -.9281 FAU .17656
 FDE-1.9517 FRA -.9255 FC-16.2954 BSP 2453
 BDE .2633 BRA .2889 BC3 .9772 FSP -2906

MID-COURSE EXECUTION ACCURACY

SGT 597.1 SGR 734.9 SG3 930.5
 RRT -.2706 RRF .9546 RTF -.2870
 SGB 946.9 R23 -.2846 R13 .9117
 SG1 773.5 SG2 546.1 THA 116.46

ORBIT DETERMINATION ACCURACY

ST 284.2 SR 434.6 SS 1034.3
 CRT -.7675 CRS -.9989 CST .7534
 LSA 1142.7 MSA 183.0 SSA 16.2
 EL1 493.9 EL2 160.3 ALF 120.16

LAUNCH DATE JUN 19 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 341.003

RL 152.00 LAL -0.00 LOL 267.05 VL 26.971 GAL -2.99 AZL 92.16 HCA 151.89 SMA 130.27 ECC .17459 INC 2.1602 V1 29.310
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.938 GAP -2.03 AZP 88.09 TAL 194.39 TAP 346.28 RCA 107.52 APO 153.01 V2 35.094
 RC 81.139 GL -19.63 GP -16.26 ZAL 120.60 ZAP 69.24 ETS 6.09 ZAE 165.70 ETE 307.04 ZAC 98.44 ETC 12.19 CLP -68.34

PLANETOCENTRIC CONIC

C3 9.131 VHL 3.022 DLA -5.15 RAL 140.20 RAD 6567.3 VEL 11.425 PTH 1.98 VHP 3.150 DPA -8.08 RAP 166.22 ECC 1.1503
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 34 47 1883.87 -10.42 21.53 349.78 116.48 4 6 11 1283.9 -6.78 14.74
 90.00 14 15 58 4848.47 19.32 209.79 351.17 68.89 15 36 47 4248.5 16.28 202.44
 100.00 4 53 42 1629.30 -11.20 2.40 349.37 117.90 5 20 51 1029.3 -7.38 355.70
 100.00 15 39 44 4578.27 20.14 189.57 350.82 67.43 16 56 3 3978.3 16.91 182.27
 110.00 5 56 23 1433.07 -13.27 346.29 348.16 121.79 6 20 16 833.1 -8.97 339.83
 110.00 16 53 33 4347.27 22.31 170.97 349.75 63.41 18 6 0 3747.3 18.56 163.84

DIFFERENTIAL CORRECTIONS

TDE .0828 TRA -.2915 TC3 -.0424 BAU .1415
 RDE -.2332 RRA -.0982 RC3 -1.1587 FAU .18540
 FDE-1.9193 FRA -.9266 FC-17.5780 BSP 2616
 BDE .2475 BRA .3076 BC3 1.1595 FSP -3076

MID-COURSE EXECUTION ACCURACY

SGT 577.3 SGR 849.0 SG3 982.1
 RRT .1066 RRF .9717 RTF .1036
 SGB 1026.7 R23 .0858 R13 .9679
 SG1 853.1 SG2 571.3 THA 82.46

ORBIT DETERMINATION ACCURACY

ST 228.9 SR 446.3 SS 1004.6
 CRT -.5884 CRS -.9991 CST .5719
 LSA 1107.2 MSA 186.1 SSA 15.5
 EL1 469.7 EL2 175.8 ALF 109.66

LAUNCH DATE JUN 19 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 347.430

RL 152.00 LAL -.00 LOL 267.05 VL 26.981 GAL -2.96 AZL 91.98 HCA 155.11 SMA 130.33 ECC .17388 INC 1.9824 V1 29.310
 RP 107.94 LAP -.83 LOP 62.17 VP 37.957 GAP -1.56 AZP 88.20 TAL 194.31 TAP 349.42 RCA 107.67 APO 153.00 V2 35.107
 RC 83.336 GL -18.25 GP -18.58 ZAL 120.80 ZAP 74.79 ETS 5.13 ZAE 165.18 ETE 288.19 ZAC 101.14 ETC 11.31 CLP -73.94

PLANETOCENTRIC CONIC

C3 8.863 VHL 2.977 DLA -3.87 RAL 140.74 RAD 6567.3 VEL 11.413 PTH 1.98 VHP 3.100 DPA -9.31 RAP 163.18 ECC 1.1459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 27 14 1918.35 -11.45 23.53 350.03 116.07 3 59 12 1318.3 -7.86 16.70
 90.00 14 27 46 4802.55 18.17 206.92 351.05 67.90 15 47 48 4202.5 15.01 199.66
 100.00 4 46 46 1661.79 -12.23 4.27 349.64 117.49 5 14 28 1061.8 -8.45 357.52
 100.00 15 50 55 4534.34 18.97 186.84 350.70 66.45 17 6 29 3934.3 15.62 179.64
 110.00 5 50 51 1461.15 -14.27 347.85 348.45 121.39 6 15 13 861.1 -10.01 341.34
 110.00 17 3 19 4307.74 21.09 168.56 349.62 62.45 18 15 7 3707.7 17.23 161.55

DIFFERENTIAL CORRECTIONS

TDE .0408 TRA -.3102 TC3 -.4495 BAU .1781
 RDE -.2333 RRA -.1009 RC3-1.4346 FAU .19085
 FDE-1.8084 FRA -.8796 FC-18.6409 BSP 3098
 BDE .2368 BRA .3262 BC3 1.5034 FSP -3191

MID-COURSE EXECUTION ACCURACY

SGT 660.1 SGR 984.4 SG3 1015.7
 RRT .4768 RRF .9829 RTF .4785
 SGB 1185.3 R23 .2147 R13 .9592
 SG1 1054.1 SG2 541.9 THA 65.36

ORBIT DETERMINATION ACCURACY

ST 196.1 SR 453.5 SS 946.2
 CRT -.2763 CRS -.9992 CST .2587
 LSA 1050.4 MSA 189.1 SSA 15.0
 EL1 457.3 EL2 186.8 ALF 98.19

LAUNCH DATE JUN 19 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 353.834

RL 152.00 LAL -.00 LOL 267.05 VL 26.986 GAL -2.92 AZL 91.76 HCA 158.33 SMA 130.37 ECC .17336 INC 1.7552 V1 29.310
 RP 107.91 LAP -.65 LOP 65.39 VP 37.972 GAP -1.11 AZP 88.37 TAL 194.16 TAP 352.48 RCA 107.77 APO 152.97 V2 35.119
 RC 85.546 GL -16.38 GP -21.39 ZAL 120.94 ZAP 80.34 ETS 3.86 ZAE 162.82 ETE 271.62 ZAC 103.94 ETC 10.10 CLP -79.62

PLANETOCENTRIC CONIC

C3 8.572 VHL 2.928 DLA -2.17 RAL 141.54 RAD 6567.3 VEL 11.400 PTH 1.97 VHP 3.089 DPA -10.97 RAP 159.89 ECC 1.1411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 17 49 1964.73 -12.83 26.25 350.58 115.46 3 50 34 1364.7 -9.30 19.35
 90.00 14 43 38 4743.43 16.62 203.27 351.14 66.74 16 2 42 4143.4 13.33 196.14
 100.00 4 38 9 1705.60 -13.59 6.81 350.20 116.88 5 6 34 1105.6 -9.88 359.99
 100.00 16 5 59 4477.79 17.39 183.38 350.78 65.30 17 20 37 3877.8 13.92 176.31
 110.00 5 44 4 1499.23 -15.61 349.99 349.04 120.80 6 9 3 899.2 -11.41 343.40
 110.00 17 16 33 4256.93 19.46 165.52 349.69 61.32 18 27 30 3656.9 15.48 158.65

DIFFERENTIAL CORRECTIONS

TDE .0069 TRA -.3259 TC3 -.9129 BAU .2285
 RDE -.2286 RRA -.1010 RC3-1.7725 FAU .19228
 FDE-1.6111 FRA -.7869 FC-19.4197 BSP 3865
 BDE .2287 BRA .3412 BC3 1.9938 FSP -3244

MID-COURSE EXECUTION ACCURACY

SGT 832.7 SGR 1147.4 SG3 1028.2
 RRT .7066 RRF .9900 RTF .7084
 SGB 1417.7 R23 .2255 R13 .9640
 SG1 1322.3 SG2 511.3 THA 57.39

ORBIT DETERMINATION ACCURACY

ST 192.6 SR 452.3 SS 855.3
 CRT .0670 CRS -.9992 CST -.0834
 LSA 967.5 MSA 192.1 SSA 14.6
 EL1 452.5 EL2 192.1 ALF 88.01

LAUNCH DATE JUN 19 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 360.218

RL 152.00 LAL -.00 LOL 267.05 VL 26.987 GAL -2.86 AZL 91.45 HCA 161.55 SMA 130.38 ECC .17303 INC 1.4533 V1 29.310
 RP 107.87 LAP -.46 LOP 68.60 VP 37.984 GAP -.67 AZP 88.62 TAL 193.92 TAP 355.47 RCA 107.82 APO 152.94 V2 35.131
 RC 87.767 GL -13.77 GP -24.87 ZAL 121.02 ZAP 85.75 ETS 2.17 ZAE 158.78 ETE 259.83 ZAC 106.74 ETC 8.45 CLP -85.31

PLANETOCENTRIC CONIC

C3 8.253 VHL 2.873 DLA .18 RAL 142.72 RAD 6567.3 VEL 11.386 PTH 1.97 VHP 3.127 DPA -13.29 RAP 156.36 ECC 1.1358
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 2 2030.64 -14.72 30.16 351.57 114.46 3 38 53 1430.6 -11.30 23.16
 90.00 15 5 48 4663.25 14.40 198.43 351.52 65.35 16 23 31 4063.3 10.96 191.45
 100.00 4 26 28 1767.99 -15.48 10.48 351.20 115.90 4 55 56 1168.0 -11.87 3.54
 100.00 16 27 4 4401.14 15.15 178.79 351.15 63.92 17 40 25 3801.1 11.53 171.87
 110.00 5 34 55 1553.75 -17.49 353.11 350.09 119.85 6 0 48 953.8 -13.39 346.40
 110.00 17 35 6 4188.14 17.16 161.50 350.04 59.97 18 44 55 3588.1 13.04 154.82

DIFFERENTIAL CORRECTIONS

TDE -.0131 TRA -.3362 TC3-1.4415 BAU .2888
 RDE -.2120 RRA -.0945 RC3-2.1851 FAU .18773
 FDE-1.2892 FRA -.6255 FC-19.6928 BSP 4840
 BDE .2124 BRA .3492 BC3 2.6177 FSP -3186

MID-COURSE EXECUTION ACCURACY

SGT 1066.0 SGR 1338.1 SG3 1008.3
 RRT .8253 RRF .9944 RTF .8260
 SGB 1710.8 R23 .2119 R13 .9716
 SG1 1638.7 SG2 491.5 THA 52.76

ORBIT DETERMINATION ACCURACY

ST 204.4 SR 428.3 SS 708.0
 CRT .2672 CRS -.9991 CST -.2821
 LSA 829.4 MSA 195.9 SSA 14.9
 EL1 432.7 EL2 195.0 ALF 80.86

LAUNCH DATE JUN 19 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 366.579

RL 152.00 LAL -.00 LOL 267.05 VL 26.985 GAL -2.80 AZL 91.03 HCA 164.77 SMA 130.36 ECC .17286 INC 1.0273 V1 29.310
 RP 107.83 LAP -.27 LOP 71.82 VP 37.993 GAP -.24 AZP 89.01 TAL 193.62 TAP 358.39 RCA 107.83 APO 152.90 V2 35.143
 RC 89.996 GL -9.90 GP -29.36 ZAL 121.03 ZAP 90.83 ETS 359.90 ZAE 153.27 ETE 252.51 ZAC 109.42 ETC 6.14 CLP -90.95

PLANETOCENTRIC CONIC

C3 7.915 VHL 2.813 DLA 3.68 RAL 144.44 RAD 6567.3 VEL 11.371 PTH 1.96 VHP 3.232 DPA -16.60 RAP 152.51 ECC 1.1303
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 45 56 2131.38 -17.47 36.28 353.32 112.65 3 21 27 1531.4 -14.25 29.08
 90.00 15 38 38 4547.01 10.99 191.59 352.43 63.74 16 54 26 3947.0 7.38 184.78
 100.00 4 9 0 1863.46 -18.23 16.23 352.97 114.11 4 40 3 1263.5 -14.82 9.10
 100.00 16 58 16 4290.17 11.73 172.32 352.05 62.31 18 9 46 3690.2 7.94 165.59
 110.00 5 21 11 1637.51 -20.25 358.03 351.92 118.14 5 48 29 1037.5 -16.33 351.10
 110.00 18 2 34 4088.88 13.69 155.90 350.90 58.37 19 10 43 3488.9 9.41 149.42

DIFFERENTIAL CORRECTIONS

TDE -.0051 TRA -.3334 TC3-2.0269 BAU .3579
 RDE -.1743 RRA -.0780 RC3-2.7074 FAU .17650
 FDE -.8387 FRA -.4074 FC-19.3052 BSP 6004
 BDE .1744 BRA .3424 BC3 3.3821 FSP -3023

MID-COURSE EXECUTION ACCURACY

SGT 1328.1 SGR 1572.3 SG3 952.8
 RRT .8856 RRF .9970 RTF .8857
 SGB 2058.1 R23 .1901 R13 .9788
 SG1 2000.2 SG2 484.8 THA 50.42

ORBIT DETERMINATION ACCURACY

ST 207.3 SR 361.1 SS 490.6
 CRT .2004 CRS -.9982 CST -.2193
 LSA 610.7 MSA 202.0 SSA 16.8
 EL1 364.6 EL2 201.1 ALF 80.53

LAUNCH DATE JUN 19 1967

FLIGHT TIME 134.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 372.919

RL 152.00 LAL -.00 LOL 267.05 VL 26.979 GAL -2.73 AZL 90.38 HCA 168.00 SMA 130.32 ECC .17285 INC .3767 V1 29.310
 RP 107.80 LAP -.08 LOP 75.05 VP 37.999 GAP .18 AZP 89.63 TAL 193.24 TAP 1.24 RCA 107.79 APO 152.85 V2 35.154
 RC 92.232 GL -3.73 GP -35.46 ZAL 120.84 ZAP 95.29 ETS 356.77 ZAE 146.11 ETE 248.53 ZAC 111.80 ETC 2.84 CLP -96.50

PLANETOCENTRIC CONIC

C3 7.613 VHL 2.759 DLA 9.29 RAL 147.10 RAD 6567.2 VEL 11.358 PTH 1.96 VHP 3.450 DPA -21.47 RAP 148.10 ECC 1.1253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 13 22 2302.41 -21.60 47.12 356.71 108.77 2 51 44 1702.4 -18.84 39.54
 90.00 16 32 26 4361.73 5.24 181.02 354.57 62.13 17 45 8 3761.7 1.47 174.37
 100.00 3 39 16 2025.38 -22.41 26.44 356.40 110.32 4 13 1 1425.4 -19.44 18.90
 100.00 17 49 14 4113.99 5.99 162.40 354.16 60.66 18 57 48 3514.0 2.04 155.84
 110.00 4 57 52 1779.41 -24.55 6.80 355.44 114.57 5 27 31 1179.4 -21.03 359.42
 110.00 18 47 7 3932.72 7.97 147.43 352.94 56.65 19 52 40 3332.7 3.53 141.16

DIFFERENTIAL CORRECTIONS

TDE .0551 TRA -.3076 TC3-2.6568 BAU .4347
 RDE -.0882 RRA -.0387 RC3-3.3448 FAU .15565
 FDE -.2276 FRA -.1186 FC-17.7016 BSP 7306
 BDE .1040 BRA .3101 BC3 4.2716 FSP -2680

MID-COURSE EXECUTION ACCURACY

SGT 1606.7 SGR 1856.6 SG3 845.2
 RRT .9178 RRF .9986 RTF .9179
 SGB 2455.3 R23 .1684 R13 .9843
 SG1 2405.4 SG2 492.4 THA 49.49

ORBIT DETERMINATION ACCURACY

ST 229.7 SR 192.9 SS 167.3
 CRT -.3110 CRS -.9666 CST .2070
 LSA 274.1 MSA 204.8 SSA 29.7
 EL1 246.6 EL2 170.8 ALF 149.72

LAUNCH DATE JUN 19 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 379.235

RL 152.00 LAL -.00 LOL 267.05 VL 26.970 GAL -2.64 AZL 89.27 HCA 171.22 SMA 130.26 ECC .17299 INC .7266 V1 29.310
 RP 107.77 LAP .11 LOP 78.27 VP 38.003 GAP .59 AZP 90.72 TAL 192.79 TAP 4.01 RCA 107.73 APO 152.79 V2 35.165
 RC 94.474 GL 7.16 GP -44.26 ZAL 119.82 ZAP 98.56 ETS 352.36 ZAE 136.56 ETE 246.85 ZAC 113.51 ETC 357.94 CLP -101.99

PLANETOCENTRIC CONIC

C3 7.625 VHL 2.761 DLA 19.24 RAL 151.77 RAD 6567.2 VEL 11.359 PTH 1.96 VHP 3.908 DPA -28.85 RAP 142.47 ECC 1.1255
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 1 29 2656.67 -27.27 71.44 4.49 97.93 1 45 45 2056.7 -25.89 63.05
 90.00 18 21 35 4008.03 -6.12 161.23 .67 62.30 19 28 23 3408.0 -9.78 154.47
 100.00 2 34 44 2355.94 -28.36 49.13 4.30 99.86 3 14 0 1755.9 -26.71 40.72
 100.00 19 31 1 3784.00 -5.15 144.24 .14 60.51 20 34 5 3184.0 -9.04 137.61
 110.00 4 8 45 2061.80 -31.12 26.09 3.60 104.91 4 43 7 1461.8 -28.76 17.69
 110.00 20 13 29 3650.90 -2.75 132.65 358.64 55.91 21 14 20 3050.9 -7.20 126.40

DIFFERENTIAL CORRECTIONS

TDE .2309 TRA -.2327 TC3-3.1870 BAU .5195
 RDE .1108 RRA .0496 RC3-3.9769 FAU .12257
 FDE .5140 FRA .2141 EC-13.9170 BSP 8779
 BDE .2561 BRA .2380 BC3 5.0963 FSP -2131

MID-COURSE EXECUTION ACCURACY

SGT 1894.4 SGR 2210.9 SG3 671.6
 RRT .9359 RRF .9994 RTF .9369
 SGB 2911.5 R23 .1460 R13 .9887
 SG1 2865.6 SG2 515.0 THA 49.71

ORBIT DETERMINATION ACCURACY

ST 505.8 SR 241.3 SS 371.6
 CRT .8894 CRS -.9978 CST -.9011
 LSA 655.2 MSA 150.5 SSA 12.4
 EL1 551.2 EL2 101.2 ALF 23.84

LAUNCH DATE JUN 19 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 385.525

RL 152.00 LAL -.00 LOL 267.05 VL 26.958 GAL -2.54 AZL 86.88 HCA 174.44 SMA 130.18 ECC .17325 INC 3.1216 V1 29.310
 RP 107.73 LAP .30 LOP 81.50 VP 38.004 GAP .99 AZP 93.11 TAL 192.27 TAP 6.71 RCA 107.62 APO 152.73 V2 35.175
 RC 96.719 GL 28.02 GP -57.73 ZAL 115.11 ZAP 99.49 ETS 345.95 ZAE 122.87 ETE 246.21 ZAC 113.62 ETC 350.34 CLP -107.98

PLANETOCENTRIC CONIC

C3 9.760 VHL 3.124 DLA 37.99 RAL 162.39 RAD 6567.4 VEL 11.452 PTH 1.99 VHP 5.080 DPA -40.30 RAP 133.57 ECC 1.1606
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.54 19 17 0 3960.49 -30.60 170.04 23.17 66.31 20 23 0 3360.5 -33.52 161.67
 116.46 1 30 46 2797.92 -30.60 82.18 23.16 66.29 2 17 24 2197.9 -33.52 73.81
 63.54 19 17 0 3960.49 -30.60 170.04 23.17 66.31 20 23 0 3360.5 -33.52 161.67
 116.46 1 30 46 2797.92 -30.60 82.18 23.16 66.29 2 17 24 2197.9 -33.52 73.81
 63.54 19 17 0 3960.49 -30.60 170.04 23.17 66.31 20 23 0 3360.5 -33.52 161.67
 116.46 1 30 46 2797.92 -30.60 82.18 23.16 66.29 2 17 24 2197.9 -33.52 73.81

DIFFERENTIAL CORRECTIONS

TDE .7320 TRA -.0224 TC3-2.8699 BAU .6004
 RDE .6091 RRA .2840 RC3-3.5970 FAU .07409
 FDE 1.1910 FRA .5318 FC3-6.5713 BSP 10278
 BDE .9523 BRA .2849 BC3 4.6016 FSP -1313

MID-COURSE EXECUTION ACCURACY

SGT 2240.7 SGR 2595.4 SG3 415.8
 RRT .9450 RRF .9996 RTF .9487
 SGB 3428.8 R23 .1285 R13 .9914
 SG1 3382.4 SG2 562.3 THA 49.44

ORBIT DETERMINATION ACCURACY

ST 1343.6 SR 1136.6 SS 973.9
 CRT .9824 CRS -1.0000 CST -.9838
 LSA 2002.9 MSA 184.6 SSA 2.3
 EL1 1752.3 EL2 162.9 ALF 40.14

LAUNCH DATE JUN 19 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 391.755

RL 152.00 LAL -.00 LOL 267.05 VL 26.943 GAL -2.42 AZL 78.04 HCA 177.62 SMA 130.08 ECC .17362 INC 11.9603 V1 29.310
 RP 107.70 LAP .49 LOP 84.72 VP 38.003 GAP 1.37 AZP 101.95 TAL 191.66 TAP 9.28 RCA 107.49 APO 152.66 V2 35.185
 RC 98.967 GL 59.90 GP -79.74 ZAL 101.35 ZAP 96.08 ETS 330.88 ZAE 100.84 ETE 238.06 ZAC 110.25 ETC 332.36 CLP -126.52

PLANETOCENTRIC CONIC

C3 41.596 VHL 6.450 DLA 61.81 RAL 197.50 RAD 6568.6 VEL 12.766 PTH 2.32 VHP 10.195 DPA -57.15 RAP 110.40 ECC 1.6846
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.45 19 49 57 4561.92 -28.45 226.73 90.63 32.50 21 5 59 3961.9 -35.10 221.90
 147.55 5 37 55 2874.60 -28.44 87.35 90.61 32.49 6 25 50 2274.6 -35.09 82.53
 32.45 19 49 57 4561.92 -28.45 226.73 90.63 32.50 21 5 59 3961.9 -35.10 221.90
 147.55 5 37 55 2874.60 -28.44 87.35 90.61 32.49 6 25 50 2274.6 -35.09 82.53
 32.45 19 49 57 4561.92 -28.45 226.73 90.63 32.50 21 5 59 3961.9 -35.10 221.90
 147.55 5 37 55 2874.60 -28.44 87.35 90.61 32.49 6 25 50 2274.6 -35.09 82.53

DIFFERENTIAL CORRECTIONS

TDE 2.4392 TRA 1.0810 TC3 -.6711 BAU .5224
 RDE 1.1770 RRA 1.0966 RC3 -.6574 FAU .01913
 FDE .9495 FRA .6999 FC3 -.3982 BSP 11000
 BDE 2.7084 BRA 1.5398 BC3 .9394 FSP -424

MID-COURSE EXECUTION ACCURACY

SGT 3094.9 SGR 2462.9 SG3 142.2
 RRT .9436 RRF .9949 RTF .9717
 SGB 3955.3 R23 .1084 R13 .9939
 SG1 3902.1 SG2 646.5 THA 38.14

ORBIT DETERMINATION ACCURACY

ST 2251.3 SR 1215.3 SS 820.5
 CRT .9664 CRS -.9953 CST -.9867
 LSA 2671.2 MSA 288.7 SSA .8
 EL1 2543.4 EL2 276.6 ALF 27.91

LAUNCH DATE JUN 19 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 398.318

RL 152.00 LAL -.00 LOL 267.05 VL 26.926 GAL -2.36 AZL 127.03 MCA 181.13 SMA 129.96 ECC .17438 INC37.0259 V1 29.310
 RP 107.67 LAP .68 LOP 87.95 VP 37.999 GAP 1.84 AZP 52.97 TAL 191.29 TAP 12.42 RCA 107.30 APO 152.62 V2 35.195
 RC 101.218 GL -63.93 GP 79.65 ZAL 93.94 ZAP 93.69 ETS 167.26 ZAE 77.73 ETE 256.81 ZAC 80.09 ETC 162.35 CLP 111.00

PLANETOCENTRIC CONIC

C3 325.426 VHL 18.040 DLA -51.99 RAL 134.29 RAD 6571.8 VEL 21.136 PTH 3.20 VHP 21.423 DPA 65.58 RAP 303.19 ECC 6.3557
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.39 4 12 3 2254.57 4.21 61.83 40.98 141.87 4 49 38 1654.6 10.48 57.24
 135.61 12 51 30 697.75 4.22 298.14 40.99 141.87 13 3 7 97.8 10.49 293.54
 44.39 4 12 3 2254.57 4.21 61.83 40.98 141.87 4 49 38 1654.6 10.48 57.24
 135.61 12 51 30 697.75 4.22 298.14 40.99 141.87 13 3 7 97.8 10.49 293.54
 44.39 4 12 3 2254.57 4.21 61.83 40.98 141.87 4 49 38 1654.6 10.48 57.24
 135.61 12 51 30 697.75 4.22 298.14 40.99 141.87 13 3 7 97.8 10.49 293.54

DIFFERENTIAL CORRECTIONS

TDE 1.6157 TRA 1.2999 TC3 -.0414 BAU .9101
 RD-10.7055 RRA-2.4476 RC3 .2050 FAU-.01537
 FDE-2.5165 FRA -.4722 FC3 .0409 BSP 4243
 BDE10.8267 BRA 2.7713 BC3 .2092 FSP -88

MID-COURSE EXECUTION ACCURACY

SGT 857.4 SGR 3701.6 SG3 73.3
 RRT -.8512 RRF .9979 RTF -.8185
 SGB 3799.6 R23 -.0823 R13 .9963
 SG1 3773.9 SG2 441.3 THA 101.31

ORBIT DETERMINATION ACCURACY

ST 551.2 SR 3421.3 SS 1485.7
 CRT -.9657 CRS -.9998 CST .9604
 LSA 3767.6 MSA 145.8 SSA 1.2
 EL1 3462.5 EL2 141.4 ALF 98.86

LAUNCH DATE JUN 19 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 404.408

RL 152.00 LAL -.00 LOL 267.05 VL 26.907 GAL -2.20 AZL 101.87 MCA 184.23 SMA 129.83 ECC .17491 INC11.8640 V1 29.310
 RP 107.65 LAP .87 LOP 91.19 VP 37.994 GAP 2.17 AZP 78.17 TAL 190.47 TAP 14.70 RCA 107.12 APO 152.54 V2 35.204
 RC 103.470 GL -59.82 GP 63.36 ZAL 100.49 ZAP 104.61 ETS 34.15 ZAE 109.69 ETE 128.53 ZAC 89.27 ETC 34.34 CLP-124.24

PLANETOCENTRIC CONIC

C3 40.900 VHL 6.395 DLA -45.33 RAL 130.72 RAD 6568.6 VEL 12.738 PTH 2.32 VHP 6.317 DPA 69.03 RAP 205.20 ECC 1.6731
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.99 4 26 50 1777.65 22.79 35.31 16.17 130.31 4 56 28 1177.6 27.81 28.84
 127.01 12 8 14 5650.35 22.80 263.48 16.18 130.31 13 42 24 5050.4 27.82 257.01
 52.99 4 26 50 1777.65 22.79 35.31 16.17 130.31 4 56 28 1177.6 27.81 28.84
 127.01 12 8 14 5650.35 22.80 263.48 16.18 130.31 13 42 24 5050.4 27.82 257.01
 52.99 4 26 50 1777.65 22.79 35.31 16.17 130.31 4 56 28 1177.6 27.81 28.84
 127.01 12 8 14 5650.35 22.80 263.48 16.18 130.31 13 42 24 5050.4 27.82 257.01

DIFFERENTIAL CORRECTIONS

TDE-2.6567 TRA-1.3875 TC3 -.8032 BAU .5309
 RDE 2.3397 RRA-.4931 RC3 .5454 FAU .04224
 FDE-3.3702 FRA -.9136 FC3 -.8942 BSP 11613
 BDE 3.5401 BRA 1.4725 BC3 .9709 FSP -904

MID-COURSE EXECUTION ACCURACY

SGT 3138.0 SGR 2296.8 SG3 296.5
 RRT -.9458 RRF -.9969 RTF .9675
 SGB 3888.8 R23 .1406 R13 -.9898
 SG1 3840.7 SG2 609.3 THA 144.27

ORBIT DETERMINATION ACCURACY

ST 2438.7 SR 2104.7 SS 1659.0
 CRT -.9916 CRS .9997 CST -.9946
 LSA 3616.9 MSA 218.5 SSA 1.2
 EL1 3214.8 EL2 206.4 ALF 139.24

LAUNCH DATE JUN 19 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 410.611

RL 152.00 LAL -.00 LOL 267.05 VL 26.886 GAL -2.05 AZL 98.15 MCA 187.44 SMA 129.69 ECC .17567 INC 8.1463 V1 29.310
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.987 GAP 2.54 AZP 81.92 TAL 189.72 TAP 17.16 RCA 106.90 APO 152.47 V2 35.212
 RC 105.723 GL -52.47 GP 45.28 ZAL 103.19 ZAP 113.85 ETS 28.00 ZAE 124.25 ETE 132.64 ZAC 97.16 ETC 30.10 CLP-125.07

PLANETOCENTRIC CONIC

C3 23.053 VHL 4.801 DLA -38.71 RAL 135.06 RAD 6567.9 VEL 12.018 PTH 2.15 VHP 4.517 DPA 55.67 RAP 177.82 ECC 1.3794
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.42 5 24 18 1524.17 25.12 15.04 9.24 120.48 5 49 42 924.2 28.97 7.57
 117.58 11 45 25 5617.09 25.13 262.41 9.25 120.47 13 19 2 5017.1 28.98 254.94
 62.42 5 24 18 1524.17 25.12 15.04 9.24 120.48 5 49 42 924.2 28.97 7.57
 117.58 11 45 25 5617.09 25.13 262.41 9.25 120.47 13 19 2 5017.1 28.98 254.94
 62.42 5 24 18 1524.17 25.12 15.04 9.24 120.48 5 49 42 924.2 28.97 7.57
 117.58 11 45 25 5617.09 25.13 262.41 9.25 120.47 13 19 2 5017.1 28.98 254.94

DIFFERENTIAL CORRECTIONS

TDE-1.9585 TRA-1.0635 TC3-1.7033 BAU .5961
 RDE 1.3350 RRA .2777 RC3 .9163 FAU .08667
 FDE-4.2707 FRA-1.0538 FC3-3.2546 BSP 11719
 BDE 2.3702 BRA 1.0992 BC3 1.9341 FSP -1716

MID-COURSE EXECUTION ACCURACY

SGT 3283.7 SGR 1868.8 SG3 535.0
 RRT -.9538 RRF -.9984 RTF .9662
 SGB 3778.2 R23 .1850 R13 -.9822
 SG1 3746.0 SG2 492.1 THA 150.96

ORBIT DETERMINATION ACCURACY

ST 2388.0 SR 1598.3 SS 1998.3
 CRT -.9921 CRS .9999 CST -.9938
 LSA 3494.1 MSA 205.0 SSA 1.8
 EL1 2868.7 EL2 167.3 ALF 146.29

LAUNCH DATE JUN 19 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 416.813

RL 152.00 LAL -.00 LOL 267.05 VL 26.863 GAL -1.90 AZL 96.67 MCA 190.68 SMA 129.53 ECC .17654 INC 6.6676 V1 29.310
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.978 GAP 2.91 AZP 83.45 TAL 188.92 TAP 19.60 RCA 106.66 APO 152.40 V2 35.220
 RC 107.975 GL -47.73 GP 33.82 ZAL 104.04 ZAP 120.68 ETS 24.63 ZAE 131.61 ETE 140.60 ZAC 102.19 ETC 27.78 CLP-127.88

PLANETOCENTRIC CONIC

C3 17.749 VHL 4.213 DLA -34.73 RAL 138.34 RAD 6567.7 VEL 11.795 PTH 2.09 VHP 4.031 DPA 45.72 RAP 168.75 ECC 1.2921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.00 6 12 22 1358.48 24.62 1.38 6.94 115.31 6 35 1 758.5 27.82 353.62
 111.00 11 23 32 5658.13 24.63 265.42 6.95 115.29 12 57 50 5058.1 27.83 257.66
 69.00 6 12 22 1358.48 24.62 1.38 6.94 115.31 6 35 1 758.5 27.82 353.62
 111.00 11 23 32 5658.13 24.63 265.42 6.95 115.29 12 57 50 5058.1 27.83 257.66
 69.00 6 12 22 1358.48 24.62 1.38 6.94 115.31 6 35 1 758.5 27.82 353.62
 111.00 11 23 32 5658.13 24.63 265.42 6.95 115.29 12 57 50 5058.1 27.83 257.66

DIFFERENTIAL CORRECTIONS

TDE-1.7196 TRA -.8988 TC3-2.3688 BAU .5985
 RDE .8359 RRA .1321 RC3 .8665 FAU .10571
 FDE-4.2943 FRA -.8351 FC3-5.1561 BSP 10948
 BDE 1.9120 BRA .9085 BC3 2.5223 FSP -1947

MID-COURSE EXECUTION ACCURACY

SGT 3415.4 SGR 1368.7 SG3 640.1
 RRT -.9500 RRF -.9973 RTF .9636
 SGB 3679.4 R23 .2214 R13 -.9738
 SG1 3657.7 SG2 398.9 THA 158.89

ORBIT DETERMINATION ACCURACY

ST 2381.5 SR 1138.9 SS 2039.4
 CRT -.9914 CRS .9999 CST -.9931
 LSA 3329.7 MSA 201.8 SSA 2.6
 EL1 2636.4 EL2 134.4 ALF 154.56

LAUNCH DATE JUN 19 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 422.996

RL 152.00 LAL -.00 LOL 267.05 VL 26.838 GAL -1.74 AZL 95.87 HCA 193.91 SMA 129.36 ECC .17754 INC 5.8709 V1 29.310
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.967 GAP 3.27 AZP 84.30 TAL 188.09 TAP 22.00 RCA 106.39 APO 152.33 V2 35.227
 RC 110.226 GL -44.53 GP 26.33 ZAL 103.97 ZAP 125.91 ETS 22.09 ZAE 134.97 ETE 148.13 ZAC 105.24 ETC 25.87 CLP-130.87

PLANETOCENTRIC CONIC

C3 15.309 VHL -3.913 DLA -32.26 RAL 141.03 RAD 6567.6 VEL 11.692 PTH 2.06 VHP 3.894 DPA 38.92 RAP 164.49 ECC 1.2520
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.85 6 53 20 1231.74 23.87 351.21 6.50 112.38 7 13 51 631.7 26.69 343.34
 106.15 11 4 1 5717.21 23.88 269.63 6.51 112.36 12 39 18 5117.2 26.70 261.76
 73.85 6 53 20 1231.74 23.87 351.21 6.50 112.38 7 13 51 631.7 26.69 343.34
 106.15 11 4 1 5717.21 23.88 269.63 6.51 112.36 12 39 18 5117.2 26.70 261.76
 110.00 10 1 55 621.43 16.89 302.81 2.83 120.17 10 12 16 21.4 20.77 295.83
 110.00 12 54 36 5375.52 31.27 246.11 9.29 104.58 14 24 12 4775.5 32.95 237.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6498 TRA -.8221 TC3-2.9797 BAU .6292 SGT 3643.1 SGR 1056.5 SG3 693.9 ST 2448.6 SR 866.5 SS 2044.1
 RDE .5910 RRA .0758 RC3 .7560 FAU .11609 RRT -.9488 RRF -.9946 RTF .9653 CRT -.9915 CRS .9999 CST -.9930
 FDE-4.1409 FRA -.6706 FC3-6.5646 BSP 11560 SGB 3793.2 R23 .2261 R13 -.9709 LSA 3299.4 MSA 197.2 SSA 3.6
 BDE 1.7487 BRA .8256 BC3 3.0741 FSP -2186 SG1 3779.5 SG2 321.6 THA 164.50 EL1 2595.2 EL2 106.1 ALF 160.63

LAUNCH DATE JUN 19 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 429.163

RL 152.00 LAL -.00 LOL 267.05 VL 26.812 GAL -1.56 AZL 95.37 HCA 197.15 SMA 129.18 ECC .17866 INC 5.3702 V1 29.310
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.954 GAP 3.63 AZP 84.87 TAL 187.20 TAP 24.36 RCA 106.10 APO 152.26 V2 35.233
 RC 112.475 GL -42.24 GP 21.21 ZAL 103.35 ZAP 130.15 ETS 20.13 ZAE 136.24 ETE 154.33 ZAC 107.02 ETC 24.26 CLP-133.76

PLANETOCENTRIC CONIC

C3 13.927 VHL 3.732 DLA -30.70 RAL 143.44 RAD 6567.5 VEL 11.632 PTH 2.04 VHP 3.889 DPA 34.12 RAP 162.24 ECC 1.2292
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.61 7 29 5 1128.61 23.28 343.15 6.98 110.60 7 47 54 528.6 25.87 335.25
 102.39 10 47 30 5778.27 23.29 273.99 6.99 110.59 12 23 48 5178.3 25.88 266.08
 77.61 7 29 5 1128.61 23.28 343.15 6.98 110.60 7 47 54 528.6 25.87 335.25
 102.39 10 47 30 5778.27 23.29 273.99 6.99 110.59 12 23 48 5178.3 25.88 266.08
 110.00 9 42 3 695.74 14.30 307.01 2.37 121.38 9 53 39 95.7 18.35 300.24
 110.00 13 33 42 5259.14 32.94 237.45 9.95 99.71 15 1 22 4659.1 33.93 228.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6167 TRA -.7512 TC3-3.4769 BAU .6571 SGT 3833.4 SGR 820.9 SG3 698.6 ST 2515.8 SR 681.5 SS 1996.4
 RDE .4436 RRA .0413 RC3 .6061 FAU .11702 RRT -.9417 RRF -.9881 RTF .9656 CRT -.9917 CRS .9999 CST -.9929
 FDE-3.8647 FRA -.4636 FC3-7.2745 BSP 12008 SGB 3920.3 R23 .2206 R13 -.9688 LSA 3277.5 MSA 193.8 SSA 4.6
 BDE 1.6765 BRA .7524 BC3 3.5293 FSP -2216 SG1 3910.9 SG2 270.8 THA 168.54 EL1 2605.1 EL2 84.5 ALF 164.95

LAUNCH DATE JUN 19 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 435.313

RL 152.00 LAL -.00 LOL 267.05 VL 26.784 GAL -1.37 AZL 95.02 HCA 200.39 SMA 129.00 ECC .17989 INC 5.0245 V1 29.310
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.940 GAP 3.98 AZP 85.29 TAL 186.28 TAP 26.68 RCA 105.79 APO 152.20 V2 35.239
 RC 114.720 GL -40.49 GP 17.54 ZAL 102.37 ZAP 133.75 ETS 18.58 ZAE 136.45 ETE 159.18 ZAC 107.98 ETC 22.90 CLP-136.49

PLANETOCENTRIC CONIC

C3 13.047 VHL 3.612 DLA -29.71 RAL 145.74 RAD 6567.5 VEL 11.595 PTH 2.03 VHP 3.946 DPA 30.56 RAP 161.06 ECC 1.2147
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.60 8 0 36 1043.22 22.89 336.63 8.01 109.48 8 18 0 443.2 25.34 328.70
 99.40 10 34 17 5835.24 22.90 278.09 8.01 109.47 12 11 33 5235.2 25.35 270.16
 100.00 10 11 22 620.50 20.91 304.81 7.20 111.86 10 21 42 20.5 23.69 297.12
 100.00 11 6 13 5733.19 24.91 271.23 8.73 107.08 12 41 47 5133.2 27.01 263.06
 110.00 9 36 5 731.79 13.01 309.01 3.02 121.89 9 48 17 131.8 17.13 302.32
 110.00 13 57 59 5194.67 33.57 232.53 10.84 96.86 15 24 34 4594.7 34.15 223.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6145 TRA -.6833 TC3-3.9012 BAU .6852 SGT 4007.4 SGR 651.1 SG3 681.4 ST 2589.7 SR 557.4 SS 1937.1
 RDE .3513 RRA .0219 RC3 .4629 FAU .11374 RRT -.9273 RRF -.9749 RTF .9655 CRT -.9923 CRS .9999 CST -.9929
 FDE-3.5788 FRA -.2663 FC3-7.5474 BSP 12463 SGB 4059.9 R23 .2041 R13 -.9674 LSA 3276.1 MSA 190.5 SSA 5.7
 BDE 1.6523 BRA .6836 BC3 3.9286 FSP -2166 SG1 4052.7 SG2 241.0 THA 171.40 EL1 2648.1 EL2 67.7 ALF 167.94

LAUNCH DATE JUN 19 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 441.446

RL 152.00 LAL -.00 LOL 267.05 VL 26.755 GAL -1.17 AZL 94.77 HCA 203.64 SMA 128.80 ECC .18124 INC 4.7703 V1 29.310
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.924 GAP 4.33 AZP 85.63 TAL 185.32 TAP 28.96 RCA 105.46 APO 152.15 V2 35.244
 RC 116.961 GL -39.09 GP 14.83 ZAL 101.12 ZAP 136.89 ETS 17.34 ZAE 136.12 ETE 162.93 ZAC 108.36 ETC 21.74 CLP-139.05

PLANETOCENTRIC CONIC

C3 12.448 VHL 3.528 DLA -29.11 RAL 148.00 RAD 6567.5 VEL 11.569 PTH 2.02 VHP 4.037 DPA 27.80 RAP 160.57 ECC 1.2049
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.95 8 28 9 973.74 22.67 331.41 9.40 108.77 8 44 23 373.7 25.02 323.46
 97.05 10 24 48 5884.58 22.67 281.65 9.40 108.76 12 2 53 5284.6 25.03 273.71
 100.00 9 50 25 706.95 18.63 310.22 7.72 113.81 10 2 12 106.9 21.69 302.76
 100.00 11 45 13 5626.60 26.84 263.90 10.73 103.69 13 19 0 5026.6 28.45 255.47
 110.00 9 36 43 750.05 12.35 310.01 4.26 122.13 9 49 14 150.1 16.51 303.37
 110.00 14 15 24 5156.26 33.84 229.56 12.08 95.12 15 41 20 4556.3 34.18 220.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6315 TRA -.6163 TC3-4.2799 BAU .7145 SGT 4177.7 SGR 531.2 SG3 656.2 ST 2673.3 SR 473.9 SS 1881.5
 RDE .2917 RRA .0120 RC3 .3389 FAU .10895 RRT -.9027 RRF -.9511 RTF .9654 CRT -.9932 CRS .9999 CST -.9929
 FDE-3.3203 FRA -.0935 FC3-7.5772 BSP 12975 SGB 4211.3 R23 .1791 R13 -.9665 LSA 3297.9 MSA 186.9 SSA 6.8
 BDE 1.6574 BRA .6165 BC3 4.2933 FSP -2092 SG1 4205.2 SG2 227.1 THA 173.43 EL1 2714.4 EL2 54.2 ALF 170.01

LAUNCH DATE JUN 19 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 447.560

RL 152.00 LAL -.00 LOL 267.05 VL 26.725 GAL -.96 AZL 94.57 MCA 206.88 SMA 128.60 ECC .18271 INC 4.5742 V1 29.310
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.907 GAP 4.68 AZP 85.92 TAL 184.32 TAP 31.20 RCA 105.11 APO 152.10 V2 35.248
 RC 119.197 GL -37.92 GP 12.75 ZAL 99.65 ZAP 139.70 ETS 16.32 ZAE 135.54 ETE 165.84 ZAC 108.31 ETC 20.74 CLP-141.44

PLANETOCENTRIC CONIC

C3 12.026 VHL 3.468 DLA -28.78 RAL 150.28 RAD 6567.5 VEL 11.550 PTH 2.02 VHP 4.147 DPA 25.56 RAP 160.54 ECC 1.1979
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.66 8 51 2 922.03 22.57 327.57 11.08 108.34 9 6 24 322.0 24.87 319.61
 95.34 10 20 7 633.66 22.58 306.44 11.08 108.33 10 30 41 33.7 24.88 298.49
 100.00 9 48 22 735.90 17.82 311.99 9.10 114.40 10 0 38 135.9 20.97 304.61
 100.00 12 5 28 5583.06 27.50 260.84 12.56 102.20 13 38 31 4983.1 28.90 252.31
 110.00 9 41 24 757.83 12.07 310.44 5.89 122.23 9 54 2 157.8 16.24 303.81
 110.00 14 28 55 5133.90 33.97 227.83 13.64 94.10 15 54 29 4533.9 34.16 218.59

DIFFERENTIAL CORRECTIONS

TDE-1.6580 TRA -.5442 TC3-4.6063 BAU .7415
 RDE .2517 RRA .0074 RC3 .2314 FAU .10303
 FDE-3.0844 FRA .0633 FC3-7.4168 BSP 13444
 BDE 1.6770 BRA .5443 BC3 4.6121 FSP -1999

MID-COURSE EXECUTION ACCURACY

SGT 4331.7 SGR 446.0 SG3 625.7
 RRT -.8625 RRF -.9112 RTF .9650
 SGB 4354.6 R23 .1515 R13 -.9657
 SG1 4348.7 SG2 224.8 THA 174.91

ORBIT DETERMINATION ACCURACY

ST 2758.3 SR 416.0 SS 1826.9
 CRT -.9946 CRS .9997 CST -.9929
 LSA 3329.4 MSA 183.0 SSA 7.9
 EL1 2789.1 EL2 42.8 ALF 171.47

LAUNCH DATE JUN 19 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 453.655

RL 152.00 LAL -.00 LOL 267.05 VL 26.694 GAL -.74 AZL 94.42 MCA 210.13 SMA 128.40 ECC .18430 INC 4.4175 V1 29.310
 RP 107.50 LAP 2.22 LOP 117.10 VP 37.888 GAP 5.03 AZP 86.18 TAL 183.29 TAP 33.42 RCA 104.73 APO 152.06 V2 35.252
 RC 121.426 GL -36.89 GP 11.12 ZAL 98.02 ZAP 142.25 ETS 15.48 ZAE 134.86 ETE 168.11 ZAC 107.93 ETC 19.86 CLP-143.69

PLANETOCENTRIC CONIC

C3 11.729 VHL 3.425 DLA -28.64 RAL 152.61 RAD 6567.4 VEL 11.538 PTH 2.01 VHP 4.271 DPA 23.68 RAP 160.86 ECC 1.1930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.56 9 7 39 893.11 22.57 325.44 13.00 108.10 9 22 32 293.1 24.84 317.48
 94.44 10 22 5 652.08 22.59 307.80 13.00 108.08 10 32 57 52.1 24.85 299.83
 100.00 9 53 30 744.24 17.59 312.50 10.92 114.57 10 5 55 144.2 20.75 305.13
 100.00 12 18 55 5564.22 27.76 259.50 14.52 101.55 13 51 39 4964.2 29.08 250.94
 110.00 9 48 53 758.77 12.04 310.79 7.82 122.24 10 1 32 158.8 16.21 303.87
 110.00 14 40 1 5122.45 34.02 226.94 15.48 93.58 16 5 24 4522.5 34.14 217.69

DIFFERENTIAL CORRECTIONS

TDE-1.6929 TRA -.4670 TC3-4.8956 BAU .7680
 RDE .2248 RRA .0064 RC3 .1410 FAU .09699
 FDE-2.8755 FRA .2029 FC3-7.1587 BSP 13932
 BDE 1.7077 BRA .4670 BC3 4.8976 FSP -1908

MID-COURSE EXECUTION ACCURACY

SGT 4478.6 SGR 388.4 SG3 594.4
 RRT -.8046 RRF -.8524 RTF .9646
 SGB 4495.4 R23 .1249 R13 -.9651
 SG1 4489.5 SG2 230.1 THA 176.00

ORBIT DETERMINATION ACCURACY

ST 2846.5 SR 376.1 SS 1776.7
 CRT -.9961 CRS .9992 CST -.9930
 LSA 3371.7 MSA 179.0 SSA 9.0
 EL1 2871.0 EL2 33.0 ALF 172.50

LAUNCH DATE JUN 19 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 459.733

RL 152.00 LAL -.00 LOL 267.05 VL 26.662 GAL -.51 AZL 94.29 MCA 213.37 SMA 128.18 ECC .18602 INC 4.2888 V1 29.310
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.868 GAP 5.37 AZP 86.42 TAL 182.22 TAP 35.60 RCA 104.34 APO 152.03 V2 35.255
 RC 123.648 GL -35.96 GP 9.81 ZAL 96.22 ZAP 144.59 ETS 14.79 ZAE 134.14 ETE 169.91 ZAC 107.29 ETC 19.07 CLP-145.80

PLANETOCENTRIC CONIC

C3 11.527 VHL 3.395 DLA -28.64 RAL 155.01 RAD 6567.4 VEL 11.529 PTH 2.01 VHP 4.405 DPA 22.05 RAP 161.45 ECC 1.1897
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.53 9 17 2 890.05 22.65 325.25 15.14 108.00 9 31 52 290.0 24.91 317.27
 94.47 10 31 49 647.89 22.67 307.52 15.15 107.99 10 42 37 47.9 24.91 299.54
 100.00 10 3 9 740.30 17.70 312.26 13.09 114.49 10 15 30 140.3 20.85 304.89
 100.00 12 28 22 5560.90 27.81 259.26 16.64 101.43 14 1 3 4960.9 29.10 250.70
 110.00 9 58 29 755.00 12.17 310.29 10.01 122.19 10 11 4 155.0 16.34 303.65
 110.00 14 49 32 5118.97 34.03 226.67 17.58 93.42 16 14 51 4519.0 34.13 217.42

DIFFERENTIAL CORRECTIONS

TDE-1.7317 TRA -.3808 TC3-5.1395 BAU .7921
 RDE .2065 RRA .0075 RC3 .0643 FAU .09075
 FDE-2.6853 FRA .3329 FC3-6.8152 BSP 14326
 BDE 1.7440 BRA .3809 BC3 5.1399 FSP -1800

MID-COURSE EXECUTION ACCURACY

SGT 4610.4 SGR 351.5 SG3 562.3
 RRT -.7290 RRF -.7746 RTF .9639
 SGB 4623.8 R23 .1023 R13 -.9642
 SG1 4617.5 SG2 240.2 THA 176.81

ORBIT DETERMINATION ACCURACY

ST 2932.4 SR 348.5 SS 1727.1
 CRT -.9975 CRS .9981 CST -.9931
 LSA 3416.6 MSA 175.0 SSA 10.1
 EL1 2953.0 EL2 24.3 ALF 173.24

LAUNCH DATE JUN 19 1967

FLIGHT TIME 164.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 465.790

RL 152.00 LAL -.00 LOL 267.05 VL 26.629 GAL -.26 AZL 94.18 MCA 216.62 SMA 127.97 ECC .18788 INC 4.1804 V1 29.310
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.847 GAP 5.72 AZP 86.64 TAL 181.13 TAP 37.75 RCA 103.92 APO 152.01 V2 35.257
 RC 125.861 GL -35.09 GP 8.74 ZAL 94.30 ZAP 146.75 ETS 14.20 ZAE 133.43 ETE 171.36 ZAC 106.44 ETC 18.37 CLP-147.79

PLANETOCENTRIC CONIC

C3 11.404 VHL 3.377 DLA -28.75 RAL 157.48 RAD 6567.4 VEL 11.524 PTH 2.01 VHP 4.547 DPA 20.60 RAP 162.26 ECC 1.1877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.83 9 21 8 906.42 22.78 326.49 17.49 108.02 9 36 15 306.4 25.04 318.51
 95.17 10 47 26 627.04 22.80 306.03 17.49 108.00 10 57 54 27.0 25.04 298.05
 100.00 10 16 13 727.64 18.05 311.49 15.54 114.24 10 28 20 127.6 21.17 304.08
 100.00 12 35 3 5569.08 27.70 259.84 18.93 101.72 14 7 52 4969.1 29.03 251.30
 110.00 10 9 45 747.99 12.43 309.90 12.42 122.10 10 22 13 148.0 16.58 303.25
 110.00 14 58 1 5121.50 34.02 226.86 19.91 93.54 16 23 22 4521.5 34.14 217.62

DIFFERENTIAL CORRECTIONS

TDE-1.7777 TRA -.2924 TC3-5.3600 BAU .8172
 RDE .1949 RRA .0106 RC3 .0020 FAU .08512
 FDE-2.5214 FRA .4387 FC3-6.4622 BSP 14797
 BDE 1.7883 BRA .2926 BC3 5.3600 FSP -1716

MID-COURSE EXECUTION ACCURACY

SGT 4745.7 SGR 331.3 SG3 533.1
 RRT -.6448 RRF -.6864 RTF .9638
 SGB 4757.3 R23 .0825 R13 -.9640
 SG1 4750.6 SG2 253.0 THA 177.42

ORBIT DETERMINATION ACCURACY

ST 3022.8 SR 330.7 SS 1684.4
 CRT -.9987 CRS .9965 CST -.9933
 LSA 3472.0 MSA 170.2 SSA 11.2
 EL1 3040.8 EL2 17.1 ALF 173.76

LAUNCH DATE JUN 19 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE .000

RL 152.00 LAL -.00 LOL 267.05 VL 26.596 GAL .00 AZL 94.09 HCA 219.87 SMA 127.75 ECC .18988 INC 4.0874 V1 29.310
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.825 GAP 6.06 AZP 86.86 TAL 180.00 TAP 39.87 RCA 103.49 APO 152.00 V2 35.258
 RC 128.066 GL -34.24 GP 7.87 ZAL 92.24 ZAP 148.75 ETS 13.71 ZAE 132.75 ETE 172.53 ZAC 105.40 ETC 17.73 CLP-149.66

PLANETOCENTRIC CONIC

C3 11.350 VHL 3.369 DLA -28.94 RAL 160.05 RAD 6567.4 VEL 11.521 PTH 2.01 VHP 4.695 DPA 19.27 RAP 163.25 ECC 1.1868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.79 9 22 53 932.84 22.95 328.50 20.04 108.12 9 38 26 332.8 25.21 320.51
 96.21 11 6 11 5886.68 22.96 281.91 20.04 108.11 12 44 17 5286.7 25.22 273.92
 100.00 10 32 25 707.21 18.62 310.23 18.26 113.82 10 44 12 107.2 21.68 302.77
 100.00 12 39 20 5587.54 27.44 261.15 21.39 102.36 14 12 27 4987.5 28.86 252.64
 110.00 10 22 27 738.55 12.77 309.38 15.05 121.98 10 34 46 138.6 16.90 302.71
 110.00 15 5 47 5128.96 33.99 227.44 22.47 93.88 16 31 16 4529.0 34.15 218.20

DIFFERENTIAL CORRECTIONS

TDE-1.8556 TRA -.1565 TC3-5.9596 BAU .9043
 RDE .1921 RRA .0110 RC3 -.0007 FAU .09407
 FDE-2.4646 FRA .6246 FC3-7.1752 BSP 15873
 BDE 1.8656 BRA .1569 BC3 5.9596 FSP -1847

MID-COURSE EXECUTION ACCURACY

SGT 5116.3 SGR 327.3 SG3 562.7
 RRT -.6182 RRF -.6290 RTF .9685
 SGB 5126.8 R23 .0366 R13 -.9686
 SG1 5120.3 SG2 257.1 THA 177.73

ORBIT DETERMINATION ACCURACY

ST 3159.6 SR 326.7 SS 1707.6
 CRT -.9992 CRS .9938 CST -.9933
 LSA 3602.1 MSA 173.5 SSA 12.3
 EL1 3176.4 EL2 12.8 ALF 174.10

LAUNCH DATE JUN 19 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 477.848

RL 152.00 LAL -.00 LOL 267.05 VL 26.561 GAL .27 AZL 94.01 HCA 223.12 SMA 127.52 ECC .19202 INC 4.0062 V1 29.310
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.801 GAP 6.41 AZP 87.07 TAL 178.86 TAP 41.97 RCA 103.04 APO 152.01 V2 35.259
 RC 130.261 GL -33.41 GP 7.13 ZAL 90.09 ZAP 150.62 ETS 13.30 ZAE 132.11 ETE 173.49 ZAC 104.21 ETC 17.15 CLP-151.43

PLANETOCENTRIC CONIC

C3 11.360 VHL 3.371 DLA -29.17 RAL 162.68 RAD 6567.4 VEL 11.522 PTH 2.01 VHP 4.849 DPA 18.03 RAP 164.38 ECC 1.1870
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.69 9 24 38 961.23 23.12 330.65 22.75 108.29 9 40 39 361.2 25.41 322.66
 97.31 11 25 27 5858.68 23.13 279.91 22.75 108.28 13 3 5 5258.7 25.42 271.91
 100.00 10 51 10 680.67 19.34 308.59 21.21 113.25 11 2 31 80.7 22.32 301.06
 100.00 12 41 36 5614.47 27.03 263.05 23.97 103.28 14 15 10 5014.5 28.59 254.60
 110.00 10 36 5 728.17 13.14 308.81 17.84 121.84 10 48 13 128.2 17.26 302.12
 110.00 15 13 11 5139.74 33.94 228.28 25.21 94.37 16 38 50 4539.7 34.17 219.04

DIFFERENTIAL CORRECTIONS

TDE-1.8755 TRA -.0812 TC3-5.6485 BAU .8580
 RDE .1844 RRA .0186 RC3 -.0941 FAU .07353
 FDE-2.2321 FRA .6421 FC3-5.6037 BSP 15411
 BDE 1.8845 BRA .0833 BC3 5.6492 FSP -1507

MID-COURSE EXECUTION ACCURACY

SGT 4968.7 SGR 321.8 SG3 475.0
 RRT -.4774 RRF -.5111 RTF .9621
 SGB 4979.1 R23 .0573 R13 -.9622
 SG1 4971.0 SG2 282.7 THA 178.22

ORBIT DETERMINATION ACCURACY

ST 3190.6 SR 313.6 SS 1598.0
 CRT -.9989 CRS .9905 CST -.9936
 LSA 3578.4 MSA 162.5 SSA 13.3
 EL1 3205.9 EL2 14.4 ALF 174.39

LAUNCH DATE JUN 19 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 483.846

RL 152.00 LAL -.00 LOL 267.05 VL 26.526 GAL .56 AZL 93.93 HCA 226.36 SMA 127.30 ECC .19432 INC 3.9343 V1 29.310
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.777 GAP 6.76 AZP 87.28 TAL 177.68 TAP 44.04 RCA 102.56 APO 152.03 V2 35.259
 RC 132.447 GL -32.56 GP 6.51 ZAL 87.84 ZAP 152.38 ETS 12.96 ZAE 131.53 ETE 174.28 ZAC 102.89 ETC 16.62 CLP-153.10

PLANETOCENTRIC CONIC

C3 11.435 VHL 3.382 DLA -29.44 RAL 165.41 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 5.008 DPA 16.86 RAP 165.64 ECC 1.1882
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.59 9 26 49 990.51 23.30 332.88 25.64 108.52 9 43 19 390.5 25.61 324.88
 98.41 11 45 1 5832.10 23.31 278.01 25.65 108.50 13 22 13 5232.1 25.62 270.01
 100.00 11 13 33 644.88 20.29 306.35 24.43 112.44 11 24 18 44.9 23.15 298.73
 100.00 12 40 59 5652.97 26.40 265.74 26.66 104.56 14 15 11 5053.0 28.14 257.37
 110.00 10 50 40 716.96 13.54 308.19 20.83 121.69 11 2 37 117.0 17.64 301.47
 110.00 15 20 21 5153.65 33.86 229.36 28.14 95.01 16 46 14 4553.7 34.18 220.13

DIFFERENTIAL CORRECTIONS

TDE-1.9304 TRA .0332 TC3-5.7548 BAU .8799
 RDE .1842 RRA .0235 RC3 -.1263 FAU .06883
 FDE-2.1132 FRA .7212 FC3-5.2114 BSP 15856
 BDE 1.9392 BRA .0407 BC3 5.7562 FSP -1445

MID-COURSE EXECUTION ACCURACY

SGT 5084.3 SGR 326.8 SG3 450.7
 RRT -.4125 RRF -.4412 RTF .9622
 SGB 5094.8 R23 .0471 R13 -.9623
 SG1 5086.1 SG2 297.6 THA 178.48

ORBIT DETERMINATION ACCURACY

ST 3273.0 SR 312.4 SS 1560.6
 CRT -.9978 CRS .9864 CST -.9938
 LSA 3635.9 MSA 157.9 SSA 14.4
 EL1 3287.8 EL2 20.7 ALF 174.56

LAUNCH DATE JUN 19 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 489.822

RL 152.00 LAL -.00 LOL 267.05 VL 26.491 GAL .86 AZL 93.87 HCA 229.61 SMA 127.07 ECC .19679 INC 3.8698 V1 29.310
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.751 GAP 7.11 AZP 87.49 TAL 176.48 TAP 46.09 RCA 102.06 APO 152.07 V2 35.258
 RC 134.624 GL -31.70 GP 5.97 ZAL 85.51 ZAP 154.04 ETS 12.68 ZAE 130.99 ETE 174.95 ZAC 101.46 ETC 16.13 CLP-154.70

PLANETOCENTRIC CONIC

C3 11.573 VHL 3.402 DLA -29.73 RAL 168.22 RAD 6567.4 VEL 11.531 PTH 2.01 VHP 5.172 DPA 15.73 RAP 167.01 ECC 1.1905
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.56 9 29 58 1018.80 23.47 335.04 28.71 108.79 9 46 56 418.8 25.81 327.04
 99.44 12 4 16 5808.82 23.48 276.34 28.71 108.78 13 41 5 5208.8 25.82 268.34
 100.00 11 41 57 5880.16 21.62 280.91 27.98 111.16 13 19 57 5280.2 24.30 273.14
 100.00 12 34 58 5710.74 25.35 269.71 29.36 106.40 14 10 9 5110.7 27.35 261.48
 110.00 11 5 55 705.80 13.94 307.57 23.99 121.53 11 17 41 105.8 18.01 300.82
 110.00 15 27 29 5169.82 33.76 230.61 31.25 95.74 16 53 39 4569.8 34.18 221.39

DIFFERENTIAL CORRECTIONS

TDE-1.9882 TRA .1567 TC3-5.8174 BAU .9004
 RDE .1865 RRA .0285 RC3 -.1511 FAU .06427
 FDE-2.0062 FRA .7949 FC3-4.8074 BSP 16252
 BDE 1.9969 BRA .1592 BC3 5.8193 FSP -1379

MID-COURSE EXECUTION ACCURACY

SGT 5193.4 SGR 335.1 SG3 427.6
 RRT -.3608 RRF -.3857 RTF .9622
 SGB 5204.2 R23 .0399 R13 -.9622
 SG1 5194.8 SG2 312.4 THA 178.66

ORBIT DETERMINATION ACCURACY

ST 3351.8 SR 314.5 SS 1524.7
 CRT -.9958 CRS .9815 CST -.9941
 LSA 3692.5 MSA 154.0 SSA 15.3
 EL1 3366.4 EL2 28.8 ALF 174.66

LAUNCH DATE JUN 19 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 495.777

RL 152.00 LAL -0.00 LOL 267.05 VL 26.455 GAL 1.18 AZL 93.81 HCA 232.86 SMA 126.84 ECC .19943 INC 3.8112 V1 29.310
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.724 GAP 7.47 AZP 87.70 TAL 175.27 TAP 48.12 RCA 101.54 APO 152.13 V2 35.256
 RC 136.791 GL -30.81 GP 5.52 ZAL 83.11 ZAP 155.62 ETS 12.47 ZAE 130.49 ETE 175.50 ZAC 99.93 ETC 15.68 CLP-156.21

PLANETOCENTRIC CONIC

C3 11.779 VHL 3.432 DLA -30.01 RAL 171.09 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 5.342 DPA 14.63 RAP 168.47 ECC 1.1938
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.61 9 34 12 1045.63 23.60 337.08 31.93 109.10 9 51 37 445.6 25.99 329.09
 100.39 12 23 0 5789.35 23.62 274.95 31.93 109.08 13 59 30 5189.4 26.00 266.95
 79.61 9 34 12 1045.63 23.60 337.08 31.93 109.10 9 51 37 445.6 25.99 329.09
 100.39 12 23 0 5789.35 23.62 274.95 31.93 109.08 13 59 30 5189.4 26.00 266.95
 110.00 11 21 38 695.33 14.31 306.99 27.30 121.38 11 33 13 95.3 18.36 300.21
 110.00 15 34 44 5187.65 33.63 231.99 34.52 96.54 17 1 12 4587.7 34.17 222.79

DIFFERENTIAL CORRECTIONS

TDE-2.0444 TRA .2900 TC3-5.8337 BAU .9190
 RDE .1907 RRA .0334 RC3 -.1691 FAU .05986
 FDE-1.9032 FRA .8626 FC3-4.3996 BSP 16585
 BDE 2.0533 BRA .2920 BC3 5.8362 FSP -1309

MID-COURSE EXECUTION ACCURACY

SGT 5291.1 SGR 345.0 SG3 405.1
 RRT -.3210 RRF -.3425 RTF .9621
 SGB 5302.3 R23 .0343 R13 -.9622
 SG1 5292.3 SG2 326.7 THA 178.80

ORBIT DETERMINATION ACCURACY

ST 3419.2 SR 319.0 SS 1485.0
 CRT -.9929 CRS .9759 CST -.9943
 LSA 3738.4 MSA 150.6 SSA 16.2
 EL1 3433.9 EL2 37.7 ALF 174.71

LAUNCH DATE JUN 19 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 501.708

RL 152.00 LAL -0.00 LOL 267.05 VL 26.419 GAL 1.51 AZL 93.76 HCA 236.11 SMA 126.61 ECC .20225 INC 3.7574 V1 29.310
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.697 GAP 7.82 AZP 87.90 TAL 174.03 TAP 50.14 RCA 101.00 APO 152.21 V2 35.254
 RC 138.949 GL -29.90 GP 5.12 ZAL 80.65 ZAP 157.11 ETS 12.31 ZAE 130.04 ETE 175.97 ZAC 98.30 ETC 15.27 CLP-157.66

PLANETOCENTRIC CONIC

C3 12.055 VHL 3.472 DLA -30.29 RAL 174.04 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 5.517 DPA 13.57 RAP 170.00 ECC 1.1984
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.76 9 39 36 1070.64 23.70 338.98 35.29 109.44 9 57 27 470.6 26.14 331.00
 101.24 12 41 4 5774.10 23.71 273.85 35.30 109.42 14 17 18 5174.1 26.14 265.86
 78.76 9 39 36 1070.64 23.70 338.98 35.29 109.44 9 57 27 470.6 26.14 331.00
 101.24 12 41 4 5774.10 23.71 273.85 35.30 109.42 14 17 18 5174.1 26.14 265.86
 110.00 11 37 35 686.19 14.64 306.48 30.75 121.24 11 49 1 86.2 18.67 299.68
 110.00 15 42 16 5206.55 33.47 233.44 37.94 97.39 17 9 2 4606.6 34.13 224.26

DIFFERENTIAL CORRECTIONS

TDE-2.1010 TRA .4343 TC3-5.8083 BAU .9366
 RDE .1969 RRA .0380 RC3 -.1808 FAU .05568
 FDE-1.8080 FRA .9280 FC3-3.9988 BSP 16899
 BDE 2.1102 BRA .4359 BC3 5.8111 FSP -1244

MID-COURSE EXECUTION ACCURACY

SGT 5383.1 SGR 355.8 SG3 384.0
 RRT -.2923 RRF -.3111 RTF .9619
 SGB 5394.8 R23 .0301 R13 -.9619
 SG1 5384.1 SG2 340.2 THA 178.89

ORBIT DETERMINATION ACCURACY

ST 3478.1 SR 325.7 SS 1445.2
 CRT -.9893 CRS .9698 CST -.9945
 LSA 3777.5 MSA 148.3 SSA 16.9
 EL1 3493.0 EL2 47.2 ALF 174.71

LAUNCH DATE JUN 19 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 507.615

RL 152.00 LAL -0.00 LOL 267.05 VL 26.383 GAL 1.86 AZL 93.71 HCA 239.35 SMA 126.37 ECC .20527 INC 3.7077 V1 29.310
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.668 GAP 8.19 AZP 88.11 TAL 172.78 TAP 52.13 RCA 100.43 APO 152.31 V2 35.251
 RC 141.095 GL -28.95 GP 4.77 ZAL 78.15 ZAP 158.53 ETS 12.21 ZAE 129.63 ETE 176.37 ZAC 96.60 ETC 14.89 CLP-159.05

PLANETOCENTRIC CONIC

C3 12.408 VHL 3.523 DLA -30.55 RAL 177.03 RAD 6567.5 VEL 11.567 PTH 2.02 VHP 5.698 DPA 12.51 RAP 171.61 ECC 1.2042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.03 9 46 8 1093.92 23.75 340.74 38.79 109.79 10 4 22 493.9 26.23 332.77
 101.97 12 58 24 5763.05 23.77 273.04 38.79 109.78 14 34 27 5163.0 26.24 265.06
 78.03 9 46 8 1093.92 23.75 340.74 38.79 109.79 10 4 22 493.9 26.23 332.77
 101.97 12 58 24 5763.05 23.77 273.04 38.79 109.78 14 34 27 5163.0 26.24 265.06
 110.00 11 53 32 679.01 14.89 306.07 34.32 121.13 12 4 51 79.0 18.90 299.26
 110.00 15 50 11 5225.96 33.29 234.93 41.49 98.25 17 17 17 4626.0 34.07 225.77

DIFFERENTIAL CORRECTIONS

TDE-2.1577 TRA .5869 TC3-5.7454 BAU .9536
 RDE .2048 RRA .0422 RC3 -.1868 FAU .05181
 FDE-1.7193 FRA .9857 FC3-3.6151 BSP 17217
 BDE 2.1674 BRA .5884 BC3 5.7484 FSP -1185

MID-COURSE EXECUTION ACCURACY

SGT 5470.8 SGR 367.0 SG3 364.2
 RRT -.2732 RRF -.2897 RTF .9620
 SGB 5483.1 R23 .0269 R13 -.9620
 SG1 5471.7 SG2 352.9 THA 178.95

ORBIT DETERMINATION ACCURACY

ST 3527.4 SR 334.0 SS 1404.4
 CRT -.9852 CRS .9634 CST -.9947
 LSA 3808.5 MSA 146.5 SSA 17.6
 EL1 3542.7 EL2 57.0 ALF 174.67

LAUNCH DATE JUN 19 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 513.496

RL 152.00 LAL -0.00 LOL 267.05 VL 26.346 GAL 2.22 AZL 93.66 HCA 242.60 SMA 126.14 ECC .20851 INC 3.6611 V1 29.310
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.639 GAP 8.56 AZP 88.31 TAL 171.51 TAP 54.10 RCA 99.84 APO 152.44 V2 35.247
 RC 143.232 GL -27.97 GP 4.47 ZAL 75.63 ZAP 159.90 ETS 12.17 ZAE 129.25 ETE 176.71 ZAC 94.84 ETC 14.54 CLP-160.38

PLANETOCENTRIC CONIC

C3 12.844 VHL 3.584 DLA -30.77 RAL 180.06 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 5.885 DPA 11.47 RAP 173.27 ECC 1.2114
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.42 9 53 47 1115.35 23.75 342.35 42.40 110.17 10 12 22 515.3 26.28 334.39
 102.58 13 14 55 5756.39 23.76 272.54 42.40 110.15 14 50 51 5156.4 26.29 264.58
 77.42 9 53 47 1115.35 23.75 342.35 42.40 110.17 10 12 22 515.3 26.28 334.39
 102.58 13 14 55 5756.39 23.76 272.54 42.40 110.15 14 50 51 5156.4 26.29 264.58
 110.00 12 9 16 674.37 15.05 305.81 37.98 121.06 12 20 30 74.4 19.06 298.99
 110.00 15 58 37 5245.35 33.09 236.41 45.17 99.11 17 26 2 4645.4 33.99 227.28

DIFFERENTIAL CORRECTIONS

TDE-2.2099 TRA .7541 TC3-5.6323 BAU .9677
 RDE .2143 RRA .0457 RC3 -.1881 FAU .04799
 FDE-1.6325 FRA 1.0443 FC3-3.2349 BSP 17444
 BDE 2.2203 BRA .7555 BC3 5.6354 FSP -1124

MID-COURSE EXECUTION ACCURACY

SGT 5545.2 SGR 377.8 SG3 345.2
 RRT -.2608 RRF -.2756 RTF .9617
 SGB 5558.0 R23 .0245 R13 -.9618
 SG1 5546.0 SG2 364.7 THA 178.98

ORBIT DETERMINATION ACCURACY

ST 3560.1 SR 343.5 SS 1360.2
 CRT -.9804 CRS .9564 CST -.9949
 LSA 3823.7 MSA 146.2 SSA 18.1
 EL1 3576.0 EL2 67.4 ALF 174.59

LAUNCH DATE JUN 19 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 519.349

RL 152.00 LAL -.00 LOL 267.05 VL 26.309 GAL 2.60 AZL 93.62 HCA 245.84 SMA 125.91 ECC .21197 INC 3.6172 V1 29.310
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.609 GAP 8.94 AZP 88.52 TAL 170.22 TAP 56.07 RCA 99.22 APO 152.60 V2 35.243
 RC 145.356 GL -26.97 GP 4.20 ZAL 73.08 ZAP 161.20 ETS 12.18 ZAE 128.91 ETE 177.00 ZAC 93.01 ETC 14.23 CLP-161.66

PLANETOCENTRIC CONIC

C3 13.371 VML 3.657 DLA -30.96 RAL 183.10 RAD 6567.5 VEL 11.609 PTH 2.03 VHP 6.079 DPA 10.44 RAP 174.99 ECC 1.2201
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.94 10 2 27 1135.07 23.68 343.80 46.11 110.55 10 21 22 535.1 26.26 335.86
 103.06 13 30 34 5754.04 23.69 272.34 46.11 110.53 15 6 28 5154.0 26.27 264.40
 76.94 10 2 27 1135.07 23.68 343.80 46.11 110.55 10 21 22 535.1 26.26 335.86
 103.06 13 30 34 5754.04 23.69 272.34 46.11 110.53 15 6 28 5154.0 26.27 264.40
 110.00 12 24 32 672.88 15.10 305.73 41.72 121.04 12 35 44 72.9 19.11 298.90
 110.00 16 7 40 5264.22 32.88 237.84 48.95 99.93 17 35 24 4664.2 33.90 228.75

DIFFERENTIAL CORRECTIONS

TDE-2.2634 TRA .9289 TC3-5.4925 BAU .9824
 RDE .2253 RRA .0487 RC3 -.1849 FAU .04456
 FDE-1.5536 FRA 1.0960 FC3-2.8852 BSP 17712
 BDE 2.2746 BRA .9302 BC3 5.4956 FSP -1070

MID-COURSE EXECUTION ACCURACY

SGT 5620.8 SGR 388.3 SG3 327.7
 RRT -.2555 RRF -.2688 RTF .9619
 SGB 5634.2 R23 .0226 R13 -.9619
 SG1 5621.6 SG2 375.4 THA 178.98

ORBIT DETERMINATION ACCURACY

ST 3584.9 SR 354.0 SS 1317.3
 CRT -.9753 CRS .9494 CST -.9950
 LSA 3832.8 MSA 146.6 SSA 18.3
 EL1 3601.4 EL2 77.8 ALF 174.50

LAUNCH DATE JUN 19 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 525.173

RL 152.00 LAL -.00 LOL 267.05 VL 26.272 GAL 3.01 AZL 93.58 HCA 249.09 SMA 125.68 ECC .21568 INC 3.5756 V1 29.310
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.578 GAP 9.32 AZP 88.72 TAL 168.93 TAP 58.02 RCA 98.57 APO 152.78 V2 35.237
 RC 147.469 GL -25.93 GP 3.97 ZAL 70.54 ZAP 162.46 ETS 12.27 ZAE 128.60 ETE 177.25 ZAC 91.13 ETC 13.94 CLP-162.90

PLANETOCENTRIC CONIC

C3 13.999 VML 3.741 DLA -31.10 RAL 186.16 RAD 6567.6 VEL 11.635 PTH 2.04 VHP 6.280 DPA 9.41 RAP 176.74 ECC 1.2304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.58 10 12 4 1153.16 23.54 345.11 49.90 110.93 10 31 18 553.2 26.17 337.20
 103.42 13 45 19 5755.99 23.55 272.42 49.90 110.91 15 21 15 5156.0 26.18 264.51
 76.58 10 12 4 1153.16 23.54 345.11 49.90 110.93 10 31 18 553.2 26.17 337.20
 103.42 13 45 19 5755.99 23.55 272.42 49.90 110.91 15 21 15 5156.0 26.18 264.51
 110.00 12 39 7 675.03 15.03 305.85 45.51 121.07 12 50 22 75.0 19.04 299.02
 110.00 16 17 27 5282.12 32.66 239.19 52.82 100.70 17 45 29 4682.1 33.79 230.13

DIFFERENTIAL CORRECTIONS

TDE-2.3150 TRA 1.1145 TC3-5.3199 BAU .9962
 RDE .2377 RRA .0508 RC3 -.1783 FAU .04132
 FDE-1.4787 FRA 1.1444 FC3-2.5552 BSP 17979
 BDE 2.3272 BRA 1.1156 BC3 5.3229 FSP -1022

MID-COURSE EXECUTION ACCURACY

SGT 5691.0 SGR 398.2 SG3 311.2
 RRT -.2552 RRF -.2672 RTF .9620
 SGB 5704.9 R23 .0213 R13 -.9620
 SG1 5691.9 SG2 385.0 THA 178.97

ORBIT DETERMINATION ACCURACY

ST 3597.1 SR 365.1 SS 1273.4
 CRT -.9699 CRS .9423 CST -.9952
 LSA 3830.4 MSA 148.2 SSA 18.5
 EL1 3614.5 EL2 88.4 ALF 174.37

LAUNCH DATE JUN 19 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 530.964

RL 152.00 LAL -.00 LOL 267.05 VL 26.234 GAL 3.43 AZL 93.54 HCA 252.33 SMA 125.44 ECC .21966 INC 3.5356 V1 29.310
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.546 GAP 9.72 AZP 88.93 TAL 167.63 TAP 59.96 RCA 97.89 APO 153.00 V2 35.231
 RC 149.570 GL -24.88 GP 3.76 ZAL 68.01 ZAP 163.67 ETS 12.42 ZAE 128.31 ETE 177.46 ZAC 89.21 ETC 13.68 CLP-164.10

PLANETOCENTRIC CONIC

C3 14.738 VML 3.839 DLA -31.19 RAL 189.20 RAD 6567.6 VEL 11.667 PTH 2.05 VHP 6.489 DPA 8.38 RAP 178.54 ECC 1.2426
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.35 10 22 36 1169.63 23.32 346.26 53.76 111.31 10 42 6 569.6 26.01 338.38
 103.65 13 59 4 5762.30 23.34 272.81 53.76 111.30 15 35 6 5162.3 26.02 264.93
 76.35 10 22 36 1169.63 23.32 346.26 53.76 111.31 10 42 6 569.6 26.01 338.38
 103.65 13 59 4 5762.30 23.34 272.81 53.76 111.30 15 35 6 5162.3 26.02 264.93
 110.00 12 52 51 681.22 14.81 306.20 49.32 121.17 13 4 12 81.2 18.83 299.39
 110.00 16 27 59 5298.70 32.44 240.43 56.78 101.41 17 56 18 4698.7 33.67 231.42

DIFFERENTIAL CORRECTIONS

TDE-2.3636 TRA 1.3123 TC3-5.1164 BAU 1.0086
 RDE .2515 RRA .0521 RC3 -.1688 FAU .03825
 FDE-1.4074 FRA 1.1910 FC3-2.2469 BSP 18219
 BDE 2.3769 BRA 1.3133 BC3 5.1192 FSP -976

MID-COURSE EXECUTION ACCURACY

SGT 5754.7 SGR 407.4 SG3 295.6
 RRT -.2589 RRF -.2698 RTF .9621
 SGB 5769.2 R23 .0202 R13 -.9622
 SG1 5755.7 SG2 393.4 THA 178.94

ORBIT DETERMINATION ACCURACY

ST 3595.7 SR 376.4 SS 1228.7
 CRT -.9642 CRS .9350 CST -.9953
 LSA 3815.4 MSA 151.1 SSA 18.4
 EL1 3614.0 EL2 99.3 ALF 174.23

LAUNCH DATE JUN 19 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 536.722

RL 152.00 LAL -.00 LOL 267.05 VL 26.197 GAL 3.87 AZL 93.50 HCA 255.57 SMA 125.21 ECC .22392 INC 3.4971 V1 29.310
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.514 GAP 10.13 AZP 89.13 TAL 166.31 TAP 61.89 RCA 97.17 APO 153.25 V2 35.225
 RC 151.657 GL -23.81 GP 3.57 ZAL 65.50 ZAP 164.85 ETS 12.66 ZAE 128.05 ETE 177.65 ZAC 87.24 ETC 13.44 CLP-165.26

PLANETOCENTRIC CONIC

C3 15.602 VML 3.950 DLA -31.23 RAL 192.22 RAD 6567.6 VEL 11.704 PTH 2.06 VHP 6.706 DPA 7.36 RAP 180.38 ECC 1.2568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.25 10 33 56 1184.57 23.03 347.26 57.66 111.69 10 53 41 584.6 25.77 339.42
 103.75 14 11 46 5772.91 23.05 273.49 57.67 111.67 15 47 59 5172.9 25.78 265.65
 76.25 10 33 56 1184.57 23.03 347.26 57.66 111.69 10 53 41 584.6 25.77 339.42
 103.75 14 11 46 5772.91 23.05 273.49 57.67 111.67 15 47 59 5172.9 25.78 265.65
 110.00 13 5 34 691.72 14.44 306.79 53.14 121.32 13 17 6 91.7 18.48 300.00
 110.00 16 39 19 5313.75 32.24 241.56 60.81 102.04 18 7 53 4713.7 33.56 232.57

DIFFERENTIAL CORRECTIONS

TDE-2.4063 TRA 1.5253 TC3-4.8786 BAU 1.0181
 RDE .2665 RRA .0523 RC3 -.1575 FAU .03520
 FDE-1.3367 FRA 1.2383 FC3-1.9534 BSP 18367
 BDE 2.4210 BRA 1.5262 BC3 4.8811 FSP -926

MID-COURSE EXECUTION ACCURACY

SGT 5807.9 SGR 415.6 SG3 280.7
 RRT -.2653 RRF -.2750 RTF .9620
 SGB 5822.8 R23 .0192 R13 -.9620
 SG1 5809.0 SG2 400.7 THA 178.91

ORBIT DETERMINATION ACCURACY

ST 3577.7 SR 387.5 SS 1181.6
 CRT -.9581 CRS .9271 CST -.9954
 LSA 3784.4 MSA 155.5 SSA 18.3
 EL1 3596.9 EL2 110.4 ALF 174.07

LAUNCH DATE JUN 19 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 542.441

RL 152.00 LAL -.00 LOL 267.05 VL 26.160 GAL 4.34 AZL 93.46 HCA 258.81 SMA 124.98 ECC .22849 INC 3.4598 V1 29.310
 RP 107.60 LAP 3.39 LOP 165.84 VP 37.481 GAP 10.55 AZP 89.33 TAL 164.99 TAP 63.81 RCA 96.42 APO 153.54 V2 35.217
 RC 153.730 GL -22.73 GP 3.40 ZAL 63.02 ZAP 165.98 ETS 12.99 ZAE 127.80 ETE 177.80 ZAC 85.24 ETC 13.24 CLP-166.39

PLANETOCENTRIC CONIC

C3 16.605 VHL 4.075 DLA -31.21 RAL 195.19 RAD 6567.7 VEL 11.747 PTH 2.07 VHP 6.934 DPA 6.34 RAP 182.24 ECC 1.2733
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.29 10 46 3 1197.93 22.67 348.11 61.60 112.05 11 6 1 597.9 25.46 340.31
 103.71 14 23 22 5787.89 22.68 274.46 61.61 112.04 15 59 50 5187.9 25.47 266.66
 76.29 10 46 3 1197.93 22.67 348.11 61.60 112.05 11 6 1 597.9 25.46 340.31
 103.71 14 23 22 5787.89 22.68 274.46 61.61 112.04 15 59 50 5187.9 25.47 266.66
 110.00 13 17 11 706.67 13.91 307.62 56.95 121.54 13 28 58 106.7 17.98 300.87
 110.00 16 51 24 5327.15 32.04 242.55 64.89 102.60 18 20 11 4727.2 33.44 233.60

DIFFERENTIAL CORRECTIONS

TDE-2.4500 TRA 1.7472 TC3-4.6299 BAU 1.0283
 RDE .2827 RRA .0514 RC3 -.1444 FAU .03248
 FDE-1.2730 FRA 1.2805 FC3-1.6937 BSP 18586
 BDE 2.4662 BRA 1.7479 BC3 4.6321 FSP -885

MID-COURSE EXECUTION ACCURACY

SGT 5861.3 SGR 423.1 SG3 266.9
 RRT -.2753 RRF -.2840 RTF .9622
 SGB 5876.6 R23 .0185 R13 -.9623
 SG1 5862.5 SG2 406.7 THA 178.86

ORBIT DETERMINATION ACCURACY

ST 3552.8 SR 398.4 SS 1137.4
 CRT -.9519 CRS .9195 CST -.9955
 LSA 3748.2 MSA 160.3 SSA 17.9
 EL1 3573.0 EL2 121.4 ALF 173.90

LAUNCH DATE JUN 19 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 548.119

RL 152.00 LAL -.00 LOL 267.05 VL 26.123 GAL 4.83 AZL 93.42 HCA 262.05 SMA 124.75 ECC .23340 INC 3.4233 V1 29.310
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.448 GAP 10.99 AZP 89.53 TAL 163.67 TAP 65.72 RCA 95.63 APO 153.87 V2 35.210
 RC 155.789 GL -21.64 GP 3.25 ZAL 60.59 ZAP 167.09 ETS 13.43 ZAE 127.58 ETE 177.93 ZAC 83.21 ETC 13.06 CLP-167.50

PLANETOCENTRIC CONIC

C3 17.764 VHL 4.215 DLA -31.15 RAL 198.10 RAD 6567.7 VEL 11.796 PTH 2.09 VHP 7.172 DPA 5.32 RAP 184.13 ECC 1.2924
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.45 10 58 48 1209.95 22.22 348.81 65.56 112.41 11 18 58 609.9 25.06 341.07
 103.55 14 33 51 5807.05 22.23 275.70 65.56 112.40 16 10 39 5207.1 25.07 267.95
 76.45 10 58 48 1209.95 22.22 348.81 65.56 112.41 11 18 58 609.9 25.06 341.07
 103.55 14 33 51 5807.05 22.23 275.70 65.56 112.40 16 10 39 5207.1 25.07 267.95
 110.00 13 27 40 726.01 13.22 308.69 60.73 121.81 13 39 46 126.0 17.33 301.99
 110.00 17 4 11 5338.99 31.86 243.43 69.02 103.09 18 33 10 4739.0 33.33 234.51

DIFFERENTIAL CORRECTIONS

TDE-2.4908 TRA 1.9825 TC3-4.3639 BAU 1.0368
 RDE .3001 RRA .0494 RC3 -.1304 FAU .02989
 FDE-1.2127 FRA 1.3220 FC3-1.4566 BSP 18791
 BDE 2.5089 BRA 1.9831 BC3 4.3658 FSP -847

MID-COURSE EXECUTION ACCURACY

SGT 5908.8 SGR 429.7 SG3 253.9
 RRT -.2875 RRF -.2952 RTF .9625
 SGB 5924.4 R23 .0179 R13 -.9625
 SG1 5910.1 SG2 411.5 THA 178.80

ORBIT DETERMINATION ACCURACY

ST 3517.1 SR 408.7 SS 1093.8
 CRT -.9454 CRS .9116 CST -.9956
 LSA 3702.1 MSA 166.1 SSA 17.5
 EL1 3538.3 EL2 132.4 ALF 173.72

LAUNCH DATE JUN 19 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 553.752

RL 152.00 LAL -.00 LOL 267.05 VL 26.085 GAL 5.35 AZL 93.39 HCA 265.29 SMA 124.52 ECC .23869 INC 3.3873 V1 29.310
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.414 GAP 11.44 AZP 89.72 TAL 162.35 TAP 67.64 RCA 94.80 APO 154.25 V2 35.201
 RC 157.834 GL -20.56 GP 3.11 ZAL 58.22 ZAP 168.17 ETS 14.01 ZAE 127.36 ETE 178.05 ZAC 81.15 ETC 12.90 CLP-168.58

PLANETOCENTRIC CONIC

C3 19.101 VHL 4.370 DLA -31.03 RAL 200.94 RAD 6567.8 VEL 11.853 PTH 2.10 VHP 7.422 DPA 4.30 RAP 186.04 ECC 1.3144
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.74 11 12 13 1220.42 21.70 349.37 69.52 112.75 11 32 33 620.4 24.59 341.67
 103.26 14 43 8 5830.57 21.71 277.24 69.52 112.74 16 20 18 5230.6 24.60 269.54
 76.74 11 12 13 1220.42 21.70 349.37 69.52 112.75 11 32 33 620.4 24.59 341.67
 103.26 14 43 8 5830.57 21.71 277.24 69.52 112.74 16 20 18 5230.6 24.60 269.54
 110.00 13 37 0 749.56 12.37 309.99 64.46 122.12 13 49 29 149.6 16.52 303.34
 110.00 17 17 31 5349.43 31.70 244.20 73.18 103.52 18 46 41 4749.4 33.23 235.31

DIFFERENTIAL CORRECTIONS

TDE-2.5281 TRA 2.2325 TC3-4.0847 BAU 1.0435
 RDE .3185 RRA .0460 RC3 -.1161 FAU .02740
 FDE-1.1549 FRA 1.3632 FC3-1.2417 BSP 18954
 BDE 2.5481 BRA 2.2330 BC3 4.0864 FSP -809

MID-COURSE EXECUTION ACCURACY

SGT 5949.7 SGR 435.4 SG3 241.6
 RRT -.3014 RRF -.3080 RTF .9627
 SGB 5965.6 R23 .0173 R13 -.9627
 SG1 5951.2 SG2 415.0 THA 178.73

ORBIT DETERMINATION ACCURACY

ST 3470.7 SR 418.0 SS 1050.7
 CRT -.9385 CRS .9034 CST -.9957
 LSA 3646.2 MSA 172.6 SSA 17.1
 EL1 3492.8 EL2 143.4 ALF 173.54

LAUNCH DATE JUN 19 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 559.334

RL 152.00 LAL -.00 LOL 267.05 VL 26.048 GAL 5.90 AZL 93.35 HCA 268.53 SMA 124.30 ECC .24438 INC 3.3518 V1 29.310
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.380 GAP 11.91 AZP 89.91 TAL 161.02 TAP 69.55 RCA 93.92 APO 154.67 V2 35.192
 RC 159.863 GL -19.48 GP 2.99 ZAL 55.91 ZAP 169.22 ETS 14.76 ZAE 127.16 ETE 178.14 ZAC 79.07 ETC 12.78 CLP-169.64

PLANETOCENTRIC CONIC

C3 20.638 VHL 4.543 DLA -30.87 RAL 203.70 RAD 6567.8 VEL 11.917 PTH 2.12 VHP 7.685 DPA 3.29 RAP 187.97 ECC 1.3396
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.16 11 26 14 1229.35 21.10 349.77 73.47 113.07 11 46 43 629.3 24.04 342.13
 102.84 14 51 9 5858.44 21.12 279.07 73.48 113.06 16 28 47 5258.4 24.06 271.42
 77.16 11 26 14 1229.35 21.10 349.77 73.47 113.07 11 46 43 629.3 24.04 342.13
 102.84 14 51 9 5858.44 21.12 279.07 73.48 113.06 16 28 47 5258.4 24.06 271.42
 110.00 13 45 14 777.02 11.37 311.49 68.14 122.46 13 58 11 177.0 15.57 304.90
 110.00 17 31 18 5358.77 31.55 244.89 77.36 103.90 19 0 37 4758.8 33.13 236.02

DIFFERENTIAL CORRECTIONS

TDE-2.5603 TRA 2.5000 TC3-3.7928 BAU 1.0469
 RDE .3376 RRA .0412 RC3 -.1021 FAU .02495
 FDE-1.0991 FRA 1.4052 FC3-1.0467 BSP 19043
 BDE 2.5825 BRA 2.5003 BC3 3.7942 FSP -770

MID-COURSE EXECUTION ACCURACY

SGT 5983.0 SGR 440.0 SG3 230.0
 RRT -.3164 RRF -.3218 RTF .9628
 SGB 5999.2 R23 .0165 R13 -.9629
 SG1 5984.6 SG2 417.3 THA 178.66

ORBIT DETERMINATION ACCURACY

ST 3413.5 SR 426.2 SS 1008.3
 CRT -.9311 CRS .8945 CST -.9958
 LSA 3580.2 MSA 179.9 SSA 16.6
 EL1 3436.6 EL2 154.4 ALF 173.35

LAUNCH DATE JUN 19 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 564.859

RL 152.00 LAL -.00 LOL 267.05 VL 26.011 GAL 6.48 AZL 93.32 HCA 271.76 SMA 124.08 ECC .25051 INC 3.3163 V1 29.310
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.345 GAP 12.41 AZP 90.10 TAL 159.70 TAP 71.47 RCA 92.99 APO 155.16 V2 35.183
 RC 161.876 GL -18.41 GP 2.87 ZAL 53.67 ZAP 170.25 ETS 15.72 ZAE 126.97 ETE 178.22 ZAC 76.97 ETC 12.68 CLP-170.68

PLANETOCENTRIC CONIC

C3 22.403 VHL 4.733 DLA -30.66 RAL 206.37 RAD 6567.9 VEL 11.991 PTH 2.14 VHP 7.963 DPA 2.28 RAP 189.92 ECC 1.5687
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.71 11 40 52 1236.48 20.44 350.00 77.40 113.37 12 1 29 636.5 23.43 342.42
 102.29 14 57 47 602.83 20.46 303.29 77.41 113.35 15 7 50 2.8 23.44 295.70
 77.71 11 40 52 1236.48 20.44 350.00 77.40 113.37 12 1 29 636.5 23.43 342.42
 102.29 14 57 47 602.83 20.46 303.29 77.41 113.35 15 7 50 2.8 23.44 295.70
 110.00 13 52 28 808.04 10.23 313.17 71.77 122.79 14 5 56 208.0 14.48 306.65
 110.00 17 45 23 5367.30 31.41 245.51 81.55 104.25 19 14 50 4767.3 33.04 236.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5937 TRA 2.7793 TC3-3.5053 BAU 1.0502 SGT 6013.6 SGR 443.8 SG3 219.2 ST 3353.3 SR 433.3 SS 969.2
 RDE .3577 RRA .0350 RC3 -.0883 FAU .02272 RRT -.3333 RRF -.3375 RTF .9632 CRT -.9237 CRS .8858 CST -.9959
 FDE-1.0487 FRA 1.4449 FC3 -.8780 BSP 19196 SGB 6030.0 R23 .0158 R13 -.9632 LSA 3512.3 MSA 187.2 SSA 16.1
 BDE 2.6183 BRA 2.7793 BC3 3.5064 FSP -737 SG1 6015.5 SG2 418.3 THA 178.58 EL1 3377.1 EL2 164.9 ALF 173.18

LAUNCH DATE JUN 19 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 570.321

RL 152.00 LAL -.00 LOL 267.05 VL 25.974 GAL 7.09 AZL 93.28 HCA 274.99 SMA 123.85 ECC .25714 INC 3.2807 V1 29.310
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.310 GAP 12.93 AZP 90.29 TAL 158.39 TAP 73.39 RCA 92.01 APO 155.70 V2 35.172
 RC 163.875 GL -17.36 GP 2.77 ZAL 51.51 ZAP 171.26 ETS 16.97 ZAE 126.78 ETE 178.29 ZAC 74.85 ETC 12.61 CLP-171.71

PLANETOCENTRIC CONIC

C3 24.429 VHL 4.943 DLA -30.42 RAL 208.94 RAD 6568.0 VEL 12.075 PTH 2.16 VHP 8.258 DPA 1.28 RAP 191.88 ECC 1.4020
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.40 11 56 12 1241.54 19.71 350.04 81.31 113.64 12 16 53 641.5 22.74 342.52
 101.60 15 2 58 640.05 19.73 305.74 81.31 113.63 15 13 38 40.0 22.75 298.21
 78.40 11 56 12 1241.54 19.71 350.04 81.31 113.64 12 16 53 641.5 22.74 342.52
 101.60 15 2 58 640.05 19.73 305.74 81.31 113.63 15 13 38 40.0 22.75 298.21
 110.00 13 58 46 842.24 8.97 315.01 75.33 123.13 14 12 48 242.2 13.26 308.55
 110.00 17 59 35 5375.38 31.27 246.10 85.73 104.57 19 29 10 4775.4 32.95 237.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6258 TRA 3.0747 TC3-3.2182 BAU 1.0513 SGT 6038.9 SGR 446.6 SG3 209.0 ST 3288.2 SR 439.0 SS 932.4
 RDE .3786 RRA .0273 RC3 -.0753 FAU .02059 RRT -.3513 RRF -.3543 RTF .9637 CRT -.9158 CRS .8769 CST -.9960
 FDE-1.0018 FRA 1.4846 FC3 -.7298 BSP 19341 SGB 6055.4 R23 .0151 R13 -.9637 LSA 3440.4 MSA 194.5 SSA 15.6
 BDE 2.6530 BRA 3.0748 BC3 3.2191 FSP -706 SG1 6041.0 SG2 418.0 THA 178.50 EL1 3312.7 EL2 175.0 ALF 173.01

LAUNCH DATE JUN 19 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 575.710

RL 152.00 LAL -.00 LOL 267.05 VL 25.938 GAL 7.75 AZL 93.24 HCA 278.23 SMA 123.63 ECC .26431 INC 3.2449 V1 29.310
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.274 GAP 13.47 AZP 90.46 TAL 157.09 TAP 75.31 RCA 90.96 APO 156.31 V2 35.162
 RC 165.860 GL -16.34 GP 2.68 ZAL 49.43 ZAP 172.25 ETS 18.61 ZAE 126.60 ETE 178.34 ZAC 72.73 ETC 12.56 CLP-172.72

PLANETOCENTRIC CONIC

C3 26.755 VHL 5.173 DLA -30.13 RAL 211.41 RAD 6568.1 VEL 12.171 PTH 2.18 VHP 8.571 DPA .28 RAP 193.86 ECC 1.4403
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.24 12 12 15 1244.18 18.93 349.87 85.17 113.89 12 32 59 644.2 22.00 342.40
 100.76 15 6 34 682.31 18.94 308.53 85.18 113.88 15 17 57 82.3 22.01 301.06
 79.24 12 12 15 1244.18 18.93 349.87 85.17 113.89 12 32 59 644.2 22.00 342.40
 100.76 15 6 34 682.31 18.94 308.53 85.18 113.88 15 17 57 82.3 22.01 301.06
 110.00 14 4 13 879.21 7.58 316.98 78.82 123.43 14 18 52 279.2 11.93 310.58
 110.00 18 13 47 5383.32 31.13 246.68 89.90 104.89 19 43 30 4783.3 32.86 237.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6562 TRA 3.3882 TC3-2.9344 BAU 1.0499 SGT 6058.4 SGR 448.5 SG3 199.4 ST 3218.7 SR 443.2 SS 897.9
 RDE .4000 RRA .0179 RC3 -.0633 FAU .01855 RRT -.3701 RRF -.3717 RTF .9643 CRT -.9076 CRS .8676 CST -.9960
 FDE -.9580 FRA 1.5252 FC3 -.6004 BSP 19461 SGB 6074.9 R23 .0141 R13 -.9643 LSA 3364.8 MSA 201.8 SSA 15.1
 BDE 2.6862 BRA 3.3882 BC3 2.9351 FSP -676 SG1 6060.6 SG2 416.5 THA 178.42 EL1 3243.9 EL2 184.6 ALF 172.85

LAUNCH DATE JUN 19 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 581.019

RL 152.00 LAL -.00 LOL 267.05 VL 25.901 GAL 8.44 AZL 93.21 HCA 281.45 SMA 123.42 ECC .27208 INC 3.2084 V1 29.310
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.239 GAP 14.05 AZP 90.64 TAL 155.80 TAP 77.25 RCA 89.84 APO 157.00 V2 35.151
 RC 167.829 GL -15.33 GP 2.60 ZAL 47.43 ZAP 173.22 ETS 20.79 ZAE 126.41 ETE 178.39 ZAC 70.60 ETC 12.55 CLP-173.73

PLANETOCENTRIC CONIC

C3 29.426 VHL 5.425 DLA -29.82 RAL 213.76 RAD 6568.2 VEL 12.280 PTH 2.21 VHP 8.906 DPA -.71 RAP 195.85 ECC 1.4843
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.25 12 29 17 1243.54 18.09 349.43 89.00 114.12 12 50 0 643.5 21.19 342.02
 99.75 15 8 19 730.41 18.10 311.71 89.01 114.10 15 20 30 130.4 21.21 304.30
 100.00 14 52 15 781.78 16.51 314.76 88.24 115.28 15 5 16 181.8 19.78 307.50
 100.00 15 28 3 667.40 19.69 307.77 89.74 112.95 15 39 10 67.4 22.63 300.20
 110.00 14 8 55 918.58 6.10 319.06 82.25 123.70 14 24 14 318.6 10.49 312.72
 110.00 18 27 52 5391.40 30.99 247.27 94.05 105.21 19 57 43 4791.4 32.76 238.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6828 TRA 3.7244 TC3-2.6525 BAU 1.0437 SGT 6071.9 SGR 449.3 SG3 190.5 ST 3144.4 SR 445.6 SS 865.1
 RDE .4219 RRA .0066 RC3 -.0526 FAU .01652 RRT -.3892 RRF -.3893 RTF .9649 CRT -.8987 CRS .8576 CST -.9961
 FDE -.9159 FRA 1.5683 FC3 -.4859 BSP 19477 SGB 6088.5 R23 .0130 R13 -.9650 LSA 3284.9 MSA 209.1 SSA 14.6
 BDE 2.7158 BRA 3.7244 BC3 2.6531 FSP -644 SG1 6074.5 SG2 413.7 THA 178.34 EL1 3169.9 EL2 193.9 ALF 172.71

LAUNCH DATE JUN 19 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 586.233

RL 152.00 LAL -.00 LOL 267.05 VL 25.865 GAL 9.18 AZL 93.17 MCA 284.68 SMA 123.20 ECC .28052 INC 3.1711 V1 29.310
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.203 GAP 14.67 AZP 90.80 TAL 154.53 TAP 79.21 RCA 88.64 APO 157.76 V2 35.139
 RC 169.783 GL -14.35 GP 2.52 ZAL 45.53 ZAP 174.17 ETS 23.78 ZAE 126.22 ETE 178.43 ZAC 68.47 ETC 12.57 CLP-174.74

PLANETOCENTRIC CONIC

C3 32.497 VHL 5.701 DLA -29.47 RAL 216.00 RAD 6568.3 VEL 12.404 PTH 2.24 VHP 9.263 DPA -1.69 RAP 197.84 ECC 1.5348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.47 12 47 40 1238.26 17.20 348.62 92.77 114.31 13 8 18 638.3 20.34 341.27
 98.53 15 7 49 785.56 17.21 315.38 92.78 114.30 15 20 55 185.6 20.35 308.03
 100.00 14 36 59 884.31 13.43 320.82 90.90 116.96 14 51 43 284.3 16.94 313.79
 100.00 16 1 11 614.74 21.06 304.45 94.51 111.72 16 11 26 14.7 23.82 296.74
 110.00 14 12 57 960.03 4.53 321.25 85.61 123.92 14 28 57 360.0 8.95 314.95
 110.00 18 41 42 5399.82 30.84 247.88 98.17 105.54 20 11 42 4799.8 32.66 239.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7136 TRA 4.0765 TC3-2.3853 BAU 1.0365 SGT 6081.4 SGR 449.3 SG3 182.0 ST 3072.3 SR 446.5 SS 836.6
 RDE .4443 RRA -.0062 RC3 -.0429 FAU .01466 RRT -.4095 RRF -.4082 RTF .9659 CRT -.8899 CRS .8481 CST -.9963
 FDE -.8794 FRA 1.6106 FC3 -.3905 BSP 19581 SGB 6097.9 R23 .0120 R13 -.9659 LSA 3208.0 MSA 215.5 SSA 14.2
 BDE 2.7498 BRA 4.0765 BC3 2.3857 FSP -617 SG1 6084.2 SG2 409.7 THA 178.26 EL1 3098.0 EL2 202.0 ALF 172.60

LAUNCH DATE JUN 19 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 591.339

RL 152.00 LAL -.00 LOL 267.05 VL 25.830 GAL 9.97 AZL 93.13 MCA 287.91 SMA 122.99 ECC .28970 INC 3.1327 V1 29.310
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.167 GAP 15.33 AZP 90.96 TAL 153.28 TAP 81.18 RCA 87.36 APO 158.62 V2 35.128
 RC 171.722 GL -13.39 GP 2.45 ZAL 43.71 ZAP 175.09 ETS 28.03 ZAE 126.02 ETE 178.46 ZAC 66.34 ETC 12.62 CLP-175.74

PLANETOCENTRIC CONIC

C3 36.035 VHL 6.003 DLA -29.10 RAL 218.13 RAD 6568.4 VEL 12.546 PTH 2.27 VHP 9.647 DPA -2.65 RAP 199.84 ECC 1.5931
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.99 13 8 8 1225.80 16.27 347.26 96.49 114.47 13 28 34 625.8 19.43 339.96
 97.01 15 4 18 850.18 16.28 319.72 96.50 114.46 15 18 28 250.2 19.45 312.41
 100.00 14 29 53 960.69 11.03 325.22 93.84 117.96 14 45 54 360.7 14.69 318.34
 100.00 16 25 14 5878.56 21.66 280.81 98.89 111.12 18 3 12 5278.6 24.34 273.03
 110.00 14 16 22 1003.25 2.89 323.51 88.91 124.08 14 33 5 403.2 7.34 317.25
 110.00 18 55 15 5408.77 30.67 248.52 102.24 105.89 20 25 23 4808.8 32.54 239.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7451 TRA 4.4513 TC3-2.1279 BAU 1.0253 SGT 6085.7 SGR 448.3 SG3 174.0 ST 2999.8 SR 445.8 SS 810.9
 RDE .4670 RRA -.0210 RC3 -.0346 FAU .01285 RRT -.4302 RRF -.4276 RTF .9669 CRT -.8808 CRS .8386 CST -.9964
 FDE -.8462 FRA 1.6548 FC3 -.3088 BSP 19660 SGB 6102.2 R23 .0108 R13 -.9670 LSA 3131.5 MSA 221.3 SSA 13.7
 BDE 2.7846 BRA 4.4514 BC3 2.1282 FSP -592 SG1 6088.7 SG2 404.5 THA 178.18 EL1 3025.5 EL2 209.3 ALF 172.51

LAUNCH DATE JUN 19 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 596.319

RL 152.00 LAL -.00 LOL 267.05 VL 25.794 GAL 10.81 AZL 93.09 MCA 291.13 SMA 122.79 ECC .29973 INC 3.0930 V1 29.310
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.131 GAP 16.03 AZP 91.12 TAL 152.06 TAP 83.19 RCA 85.98 APO 159.59 V2 35.116
 RC 173.647 GL -12.46 GP 2.38 ZAL 41.98 ZAP 175.97 ETS 34.33 ZAE 125.82 ETE 178.48 ZAC 64.22 ETC 12.70 CLP-176.76

PLANETOCENTRIC CONIC

C3 40.121 VHL 6.334 DLA -28.71 RAL 220.13 RAD 6568.5 VEL 12.708 PTH 2.31 VHP 10.062 DPA -3.61 RAP 201.84 ECC 1.6603
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.05 13 32 51 1199.04 15.30 344.83 100.15 114.59 13 52 50 599.0 18.49 337.58
 94.95 14 55 35 931.20 15.31 325.22 100.16 114.59 15 11 6 331.2 18.51 317.97
 100.00 14 25 5 1029.49 8.81 329.12 96.82 118.68 14 42 15 429.5 12.57 322.35
 100.00 16 46 2 5864.03 22.01 279.87 103.11 110.75 18 23 46 5264.0 24.64 272.06
 110.00 14 19 13 1047.95 1.18 325.84 92.15 124.17 14 36 41 447.9 5.65 319.62
 110.00 19 8 24 5418.34 30.49 249.21 106.27 106.26 20 38 42 4818.3 32.41 240.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7781 TRA 4.8502 TC3-1.8826 BAU 1.0099 SGT 6084.9 SGR 446.3 SG3 166.6 ST 2927.9 SR 443.4 SS 788.2
 RDE .4900 RRA -.0377 RC3 -.0274 FAU .01111 RRT -.4512 RRF -.4473 RTF .9682 CRT -.8714 CRS .8291 CST -.9966
 FDE -.8161 FRA 1.7013 FC3 -.2397 BSP 19727 SGB 6101.3 R23 .0096 R13 -.9682 LSA 3056.0 MSA 226.3 SSA 13.2
 BDE 2.8210 BRA 4.8504 BC3 1.8828 FSP -567 SG1 6088.3 SG2 398.1 THA 178.10 EL1 2953.4 EL2 215.6 ALF 172.44

LAUNCH DATE JUN 19 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 17 1968

HELIOCENTRIC CONIC

DISTANCE 601.152

RL 152.00 LAL -.00 LOL 267.05 VL 25.760 GAL 11.73 AZL 93.05 MCA 294.35 SMA 122.58 ECC .31069 INC 3.0515 V1 29.310
 RP 107.96 LAP 2.78 LOP 201.43 VP 37.095 GAP 16.79 AZP 91.26 TAL 150.87 TAP 85.22 RCA 84.50 APO 160.67 V2 35.103
 RC 175.555 GL -11.57 GP 2.33 ZAL 40.36 ZAP 176.78 ETS 44.19 ZAE 125.60 ETE 178.50 ZAC 62.11 ETC 12.82 CLP-177.77

PLANETOCENTRIC CONIC

C3 44.851 VHL 6.697 DLA -28.30 RAL 222.02 RAD 6568.7 VEL 12.892 PTH 2.35 VHP 10.511 DPA -4.54 RAP 203.83 ECC 1.7381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 14 13 28 1120.09 13.55 338.21 103.38 115.10 14 32 8 520.1 16.82 331.07
 90.00 14 30 2 1066.34 15.08 335.01 104.10 114.26 14 47 49 466.3 18.23 327.75
 100.00 14 21 21 1094.55 6.67 332.76 99.80 119.21 14 39 35 494.5 10.51 326.08
 100.00 17 4 50 5855.16 22.23 279.30 107.21 110.52 18 42 26 5255.2 24.82 271.46
 110.00 14 21 33 1093.89 -.58 328.24 95.32 124.18 14 39 47 493.9 3.91 322.03
 110.00 19 21 7 5428.58 30.29 249.94 110.23 106.65 20 51 36 4828.6 32.27 241.28

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8101 TRA 5.2796 TC3-1.6466 BAU .9874 SGT 6079.6 SGR 443.3 SG3 159.6 ST 2855.3 SR 439.2 SS 768.0
 RDE .5131 RRA -.0565 RC3 -.0217 FAU .00934 RRT -.4723 RRF -.4670 RTF .9696 CRT -.8616 CRS .8191 CST -.9968
 FDE -.7879 FRA 1.7519 FC3 -.1803 BSP 19688 SGB 6095.7 R23 .0082 R13 -.9696 LSA 2980.3 MSA 230.6 SSA 12.8
 BDE 2.8566 BRA 5.2799 BC3 1.6468 FSP -541 SG1 6083.2 SG2 390.5 THA 178.02 EL1 2880.4 EL2 221.0 ALF 172.41

LAUNCH DATE JUN 19 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 19 1968

HELIOCENTRIC CONIC

DISTANCE 605.811

RL 152.00 LAL -.00 LOL 267.05 VL 25.725 GAL 12.71 AZL 93.01 HCA 297.57 SMA 122.38 ECC .32271 INC 3.0079 V1 29.310
 RP 107.99 LAP 2.67 LOP 204.65 VP 37.059 GAP 17.62 AZP 91.39 TAL 149.73 TAP 87.30 RCA 82.89 APO 161.88 V2 35.091
 RC 177.448 GL -10.70 GP 2.27 ZAL 38.83 ZAP 177.43 ETS 60.13 ZAE 125.35 ETE 178.52 ZAC 60.01 ETC 12.97 CLP-178.81

PLANETOCENTRIC CONIC

C3 50.347 VHL 7.096 DLA -27.87 RAL 223.79 RAD 6568.9 VEL 13.104 PTH 2.39 VHP 10.998 DPA -5.46 RAP 205.83 ECC 1.8286
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 44 53 1264.91 9.22 346.65 105.25 116.89 14 5 58 664.9 12.75 339.75
 90.00 15 12 43 979.40 17.43 329.72 109.15 112.67 15 29 2 379.4 20.36 322.26
 100.00 14 18 9 1157.36 4.57 336.24 102.74 119.57 14 37 26 557.4 8.47 329.63
 100.00 17 22 8 5850.23 22.34 278.98 111.21 110.39 18 59 38 5250.2 24.92 271.13
 110.00 14 23 24 1140.86 -2.37 330.69 98.43 124.11 14 42 25 540.9 2.12 324.49
 110.00 19 33 22 5439.49 30.08 250.72 114.13 107.06 21 4 2 4839.5 32.12 242.10

DIFFERENTIAL CORRECTIONS

TDE-2.8499 TRA 5.7335 TC3-1.4282 BAU .9614
 RDE .5364 RRA -.0772 RC3 -.0170 FAU .00769
 FDE -.7649 FRA 1.8041 FC3 -.1322 BSP 19738
 BDE 2.8999 BRA 5.7340 BC3 1.4283 FSP -519

MID-COURSE EXECUTION ACCURACY

SGT 6069.0 SGR 439.5 SG3 152.9
 RRT -.4939 RRF -.4876 RTF .9712
 SGB 6084.9 R23 .0069 R13 -.9713
 SG1 6072.9 SG2 381.9 THA 177.94

ORBIT DETERMINATION ACCURACY

ST 2787.1 SR 433.6 SS 751.8
 CRT -.8522 CRS .8103 CST -.9970
 LSA 2909.8 MSA 233.4 SSA 12.3
 EL1 2811.7 EL2 224.9 ALF 172.40

LAUNCH DATE JUN 19 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 21 1968

HELIOCENTRIC CONIC

DISTANCE 610.265

RL 152.00 LAL -.00 LOL 267.05 VL 25.692 GAL 13.77 AZL 92.96 HCA 300.78 SMA 122.19 ECC .33593 INC 2.9616 V1 29.310
 RP 108.03 LAP 2.54 LOP 207.87 VP 37.024 GAP 18.51 AZP 91.52 TAL 148.64 TAP 89.42 RCA 81.14 APO 163.24 V2 35.078
 RC 179.325 GL -9.85 GP 2.22 ZAL 37.40 ZAP 177.77 ETS 84.08 ZAE 125.08 ETE 178.53 ZAC 57.94 ETC 13.16 CLP-179.86

PLANETOCENTRIC CONIC

C3 56.759 VHL 7.534 DLA -27.43 RAL 225.43 RAD 6569.0 VEL 13.346 PTH 2.44 VHP 11.531 DPA -6.35 RAP 207.81 ECC 1.9341
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 33 20 1354.02 6.44 351.72 107.80 117.64 13 55 54 754.0 10.09 344.94
 90.00 15 37 24 949.61 18.21 327.87 113.36 112.07 15 53 14 349.6 21.04 320.34
 100.00 14 15 13 1218.66 2.50 339.62 105.64 119.80 14 35 32 618.7 6.45 333.06
 100.00 17 38 12 5848.24 22.39 278.85 115.09 110.34 19 15 40 5248.2 24.96 270.99
 110.00 14 24 46 1188.64 -4.19 333.19 101.48 123.96 14 44 35 588.6 .29 326.98
 110.00 19 45 8 5451.02 29.85 251.53 117.94 107.50 21 15 59 4851.0 31.95 242.95

DIFFERENTIAL CORRECTIONS

TDE-2.8946 TRA 6.2208 TC3-1.2242 BAU .9290
 RDE .5597 RRA -.1001 RC3 -.0133 FAU .00604
 FDE -.7452 FRA 1.8606 FC3 -.0922 BSP 19786
 BDE 2.9482 BRA 6.2216 BC3 1.2242 FSP -498

MID-COURSE EXECUTION ACCURACY

SGT 6054.9 SGR 434.7 SG3 146.7
 RRT -.5157 RRF -.5085 RTF .9730
 SGB 6070.5 R23 .0056 R13 -.9730
 SG1 6059.1 SG2 372.2 THA 177.87

ORBIT DETERMINATION ACCURACY

ST 2721.5 SR 426.4 SS 738.9
 CRT -.8429 CRS .8018 CST -.9973
 LSA 2842.3 MSA 235.1 SSA 11.9
 EL1 2745.3 EL2 227.5 ALF 172.42

LAUNCH DATE JUN 19 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 23 1968

HELIOCENTRIC CONIC

DISTANCE 614.471

RL 152.00 LAL -.00 LOL 267.05 VL 25.659 GAL 14.93 AZL 92.91 HCA 304.00 SMA 122.00 ECC .35052 INC 2.9122 V1 29.310
 RP 108.07 LAP 2.41 LOP 211.08 VP 36.989 GAP 19.49 AZP 91.63 TAL 147.62 TAP 91.61 RCA 79.24 APO 164.76 V2 35.065
 RC 181.185 GL -9.04 GP 2.18 ZAL 36.07 ZAP 177.63 ETS 110.86 ZAE 124.79 ETE 178.54 ZAC 55.89 ETC 13.39 CLP 177.07

PLANETOCENTRIC CONIC

C3 64.272 VHL 8.017 DLA -26.98 RAL 226.95 RAD 6569.2 VEL 13.624 PTH 2.49 VHP 12.116 DPA -7.22 RAP 209.77 ECC 2.0577
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 25 7 1431.44 3.97 356.07 110.42 118.06 13 48 59 831.4 7.70 349.37
 90.00 15 57 44 932.63 18.64 326.81 117.33 111.71 16 13 17 332.6 21.42 319.24
 100.00 14 12 22 1278.83 .46 342.92 108.48 119.89 14 33 41 678.8 4.43 336.39
 100.00 17 53 11 5848.52 22.38 278.87 118.87 110.35 19 30 39 5248.5 24.95 271.01
 110.00 14 25 41 1237.04 -6.03 335.74 104.45 123.71 14 46 18 637.0 -1.56 329.50
 110.00 19 56 21 5463.07 29.60 252.38 121.65 107.94 21 27 24 4863.1 31.76 243.84

DIFFERENTIAL CORRECTIONS

TDE-2.9451 TRA 6.7438 TC3-1.0321 BAU .8869
 RDE .5831 RRA -.1252 RC3 -.0107 FAU .00439
 FDE -.7289 FRA 1.9220 FC3 -.0592 BSP 19786
 BDE 3.0023 BRA 6.7450 BC3 1.0322 FSP -478

MID-COURSE EXECUTION ACCURACY

SGT 6034.7 SGR 429.0 SG3 140.8
 RRT -.5376 RRF -.5295 RTF .9750
 SGB 6050.0 R23 .0041 R13 -.9750
 SG1 6039.2 SG2 361.4 THA 177.80

ORBIT DETERMINATION ACCURACY

ST 2658.0 SR 417.8 SS 729.2
 CRT -.8338 CRS .7938 CST -.9975
 LSA 2777.7 MSA 235.5 SSA 11.4
 EL1 2680.9 EL2 228.7 ALF 172.48

LAUNCH DATE JUN 19 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 25 1968

HELIOCENTRIC CONIC

DISTANCE 618.379

RL 152.00 LAL -.00 LOL 267.05 VL 25.627 GAL 16.20 AZL 92.86 HCA 307.21 SMA 121.81 ECC .36667 INC 2.8589 V1 29.310
 RP 108.11 LAP 2.28 LOP 214.29 VP 36.954 GAP 20.56 AZP 91.73 TAL 146.67 TAP 93.87 RCA 77.15 APO 166.48 V2 35.052
 RC 183.028 GL -8.25 GP 2.14 ZAL 34.86 ZAP 177.04 ETS 131.29 ZAE 124.45 ETE 178.54 ZAC 53.88 ETC 13.65 CLP 177.96

PLANETOCENTRIC CONIC

C3 73.121 VHL 8.551 DLA -26.51 RAL 228.35 RAD 6569.4 VEL 13.945 PTH 2.55 VHP 12.760 DPA -8.06 RAP 211.71 ECC 2.2034
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 18 24 1503.03 1.67 .07 113.04 118.27 13 43 27 903.0 5.44 353.42
 90.00 16 15 34 922.31 18.90 326.16 121.11 111.49 16 30 57 322.3 21.65 318.57
 100.00 14 9 29 1338.08 -1.55 346.17 111.25 119.86 14 31 47 738.1 2.44 339.65
 100.00 18 7 11 5850.53 22.34 279.00 122.52 110.40 19 44 42 5250.5 24.91 271.15
 110.00 14 26 6 1285.88 -7.87 338.32 107.35 123.37 14 47 32 685.9 -3.42 332.05
 110.00 20 7 2 5475.50 29.33 253.25 125.25 108.40 21 38 18 4875.5 31.56 244.76

DIFFERENTIAL CORRECTIONS

TDE-2.9983 TRA 7.3125 TC3 -.8517 BAU .8326
 RDE .6061 RRA -.1527 RC3 -.0091 FAU .00264
 FDE -.7148 FRA 1.9908 FC3 -.0313 BSP 19666
 BDE 3.0589 BRA 7.3141 BC3 .8517 FSP -456

MID-COURSE EXECUTION ACCURACY

SGT 6011.5 SGR 422.2 SG3 135.4
 RRT -.5593 RRF -.5505 RTF .9771
 SGB 6026.4 R23 .0027 R13 -.9771
 SG1 6016.2 SG2 349.7 THA 177.74

ORBIT DETERMINATION ACCURACY

ST 2595.4 SR 407.6 SS 722.4
 CRT -.8246 CRS .7858 CST -.9977
 LSA 2714.6 MSA 234.8 SSA 10.9
 EL1 2617.2 EL2 228.7 ALF 172.56

LAUNCH DATE JUN 20 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 29 1967

HELIOCENTRIC CONIC

DISTANCE 162.696

RL 152.01 LAL -.00 LOL 268.01 VL 23.098 GAL -.85 AZL 93.62 HCA 66.46 SMA 109.45 ECC .38915 INC 3.6223 V1 29.308
 RP 108.88 LAP -3.32 LOP 334.43 VP 35.003 GAP -22.90 AZP 91.45 TAL 181.34 TAP 247.80 RCA 66.86 APO 152.04 V2 34.804
 RC 42.876 GL -13.09 GP -1.74 ZAL 94.16 ZAP 10.87 ETS 170.95 ZAE 166.64 ETE 49.29 ZAC 100.34 ETC 14.22 CLP 10.73

PLANETOCENTRIC CONIC

C3 41.517 VHL 6.443 DLA -9.52 RAL 169.03 RAD 6568.6 VEL 12.763 PTH 2.32 VHP 13.773 DPA 7.36 RAP 166.99 ECC 1.6833
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 48 2095.87 -16.52 34.10 40.58 113.33 6 34 44 1495.9 -13.23 26.98
 90.00 15 33 5 5339.69 27.61 243.20 46.94 83.44 17 2 5 4739.7 26.41 234.74
 100.00 7 16 28 1848.54 -17.81 15.32 39.98 114.41 7 47 17 1248.5 -14.37 8.22
 100.00 16 59 7 5062.25 29.01 222.60 46.75 82.44 18 23 29 4462.3 27.66 214.06
 110.00 8 14 4 1668.16 -21.23 359.87 38.22 117.44 8 41 52 1068.2 -17.38 352.85
 110.00 18 18 0 4815.39 32.76 203.17 46.06 79.64 19 38 15 4215.4 30.98 194.40

DIFFERENTIAL CORRECTIONS

TDE .3901 TRA -.7546 TC3 .1031 BAU .0728
 RDE -.4342 RRA -.1818 RC3 .0812 FAU .02048
 FDE -.3114 FRA .2807 FC3 -.4272 BSP 2082
 BDE .5837 BRA .7762 BC3 .1312 FSP -128

MID-COURSE EXECUTION ACCURACY

SGT 775.2 SGR 432.3 SG3 57.6
 RRT -.0254 RRF .0273 RTF -.6611
 SGB 887.6 R23 -.0029 R13 .6612
 SG1 775.3 SG2 432.1 THA 178.82

ORBIT DETERMINATION ACCURACY

ST 402.5 SR 389.2 SS 342.3
 CRT -.7907 CRS -.9212 CST .9642
 LSA 630.4 MSA 181.6 SSA 15.7
 EL1 529.8 EL2 181.0 ALF 136.21

LAUNCH DATE JUN 20 1967

FLIGHT TIME 72.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 169.305

RL 152.01 LAL -.00 LOL 268.01 VL 23.479 GAL -.95 AZL 93.58 HCA 69.63 SMA 111.07 ECC .36891 INC 3.5784 V1 29.308
 RP 108.87 LAP -3.35 LOP 337.60 VP 35.260 GAP -21.62 AZP 91.25 TAL 181.62 TAP 251.25 RCA 70.10 APO 152.05 V2 34.809
 RC 42.849 GL -13.95 GP -1.83 ZAL 94.83 ZAP 9.14 ETS 168.55 ZAE 164.79 ETE 41.84 ZAC 99.00 ETC 14.10 CLP 8.96

PLANETOCENTRIC CONIC

C3 36.961 VHL 6.080 DLA -10.03 RAL 168.04 RAD 6568.4 VEL 12.583 PTH 2.28 VHP 13.052 DPA 6.74 RAP 168.26 ECC 1.6083
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 56 2049.88 -15.26 31.32 37.63 114.14 6 34 6 1449.9 -11.87 24.28
 90.00 15 25 3 5326.95 27.50 242.28 43.96 82.99 16 53 50 4726.9 26.25 233.84
 100.00 7 16 19 1803.46 -16.52 12.59 37.03 115.27 7 46 23 1203.5 -12.98 5.59
 100.00 16 51 21 5048.60 28.88 221.61 43.75 81.93 18 15 29 4448.6 27.46 213.09
 110.00 8 13 18 1625.05 -19.85 357.28 35.26 118.42 8 40 23 1025.1 -15.90 350.39
 110.00 18 10 52 4799.77 32.56 201.99 43.03 78.97 19 30 51 4199.8 30.70 193.27

DIFFERENTIAL CORRECTIONS

TDE .3916 TRA -.7292 TC3 .1425 BAU .0833
 RDE -.4119 RRA -.1700 RC3 .0901 FAU .02156
 FDE -.3307 FRA .2768 FC3 -.5051 BSP 2214
 BDE .5684 BRA .7488 BC3 .1686 FSP -145

MID-COURSE EXECUTION ACCURACY

SGT 808.3 SGR 434.9 SG3 63.8
 RRT -.0305 RRF .0331 RTF -.6813
 SGB 917.9 R23 -.0038 R13 .6814
 SG1 808.5 SG2 434.6 THA 178.68

ORBIT DETERMINATION ACCURACY

ST 424.4 SR 391.2 SS 363.3
 CRT -.8012 CRS -.9285 CST .9638
 LSA 657.2 MSA 181.4 SSA 16.1
 EL1 548.0 EL2 181.3 ALF 137.90

LAUNCH DATE JUN 20 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 175.945

RL 152.01 LAL -.00 LOL 268.01 VL 23.829 GAL -1.06 AZL 93.54 HCA 72.79 SMA 112.64 ECC .35003 INC 3.5363 V1 29.308
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.501 GAP -20.40 AZP 91.05 TAL 181.97 TAP 254.77 RCA 73.21 APO 152.06 V2 34.815
 RC 42.925 GL -14.81 GP -1.92 ZAL 95.65 ZAP 7.43 ETS 164.98 ZAE 162.80 ETE 35.97 ZAC 97.68 ETC 14.00 CLP 7.18

PLANETOCENTRIC CONIC

C3 33.037 VHL 5.748 DLA -10.49 RAL 166.91 RAD 6568.3 VEL 12.426 PTH 2.25 VHP 12.362 DPA 6.11 RAP 169.50 ECC 1.5437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 59 10 2006.42 -14.03 28.71 34.66 114.85 6 32 37 1406.4 -10.57 21.75
 90.00 15 16 48 5313.75 27.39 241.33 40.89 82.52 16 45 22 4713.8 26.07 232.92
 100.00 7 15 18 1760.83 -15.27 10.05 34.05 116.02 7 44 39 1160.8 -11.64 3.13
 100.00 16 43 22 5034.57 28.74 220.59 40.67 81.41 18 7 16 4434.6 27.25 212.10
 110.00 8 11 41 1584.23 -18.51 354.88 32.28 119.26 8 38 6 984.2 -14.47 348.09
 110.00 18 3 28 4783.93 32.35 200.80 39.92 78.30 19 23 11 4183.9 30.40 192.13

DIFFERENTIAL CORRECTIONS

TDE .3931 TRA -.7035 TC3 .1881 BAU .0939
 RDE -.3909 RRA -.1588 RC3 .0991 FAU .02279
 FDE -.3512 FRA .2717 FC3 -.5971 BSP 2332
 BDE .5544 BRA .7212 BC3 .2126 FSP -163

MID-COURSE EXECUTION ACCURACY

SGT 842.0 SGR 436.7 SG3 70.7
 RRT -.0360 RRF .0389 RTF -.6996
 SGB 948.5 R23 -.0045 R13 .6998
 SG1 842.2 SG2 436.3 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 446.5 SR 392.7 SS 384.8
 CRT -.8118 CRS -.9356 CST .9634
 LSA 684.6 MSA 180.7 SSA 16.7
 EL1 566.5 EL2 180.7 ALF 139.51

LAUNCH DATE JUN 20 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 182.611

RL 152.01 LAL -.00 LOL 268.01 VL 24.152 GAL -1.19 AZL 93.50 HCA 75.96 SMA 114.14 ECC .33245 INC 3.4956 V1 29.308
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.725 GAP -19.24 AZP 90.85 TAL 182.39 TAP 258.35 RCA 76.19 APO 152.08 V2 34.822
 RC 43.312 GL -15.68 GP -2.03 ZAL 96.59 ZAP 5.74 ETS 159.21 ZAE 160.76 ETE 31.28 ZAC 96.39 ETC 13.92 CLP 5.37

PLANETOCENTRIC CONIC

C3 29.662 VHL 5.446 DLA -10.90 RAL 165.65 RAD 6568.2 VEL 12.290 PTH 2.21 VHP 11.703 DPA 5.48 RAP 170.72 ECC 1.4882
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 57 29 1965.84 -12.86 26.31 31.66 115.45 6 30 15 1365.8 -9.33 19.41
 90.00 15 8 26 5300.15 27.27 240.36 37.75 82.05 16 36 46 4700.1 25.89 231.96
 100.00 7 13 22 1721.02 -14.06 7.71 31.06 116.65 7 42 3 1121.0 -10.37 .86
 100.00 16 35 14 5020.21 28.59 219.54 37.53 80.88 17 58 54 4420.2 27.03 211.09
 110.00 8 9 15 1546.04 -17.23 352.66 29.29 119.99 8 35 1 946.0 -13.11 345.97
 110.00 17 55 51 4767.94 32.12 199.61 36.75 77.62 19 15 19 4167.9 30.08 190.99

DIFFERENTIAL CORRECTIONS

TDE .3965 TRA -.6759 TC3 .2433 BAU .1056
 RDE -.3713 RRA -.1482 RC3 .1079 FAU .02418
 FDE -.3748 FRA .2633 FC3 -.7058 BSP 2486
 BDE .5432 BRA .6919 BC3 .2662 FSP -186

MID-COURSE EXECUTION ACCURACY

SGT 876.6 SGR 437.8 SG3 78.5
 RRT -.0438 RRF .0473 RTF -.7185
 SGB 979.9 R23 -.0055 R13 .7187
 SG1 876.9 SG2 437.2 THA 178.33

ORBIT DETERMINATION ACCURACY

ST 470.3 SR 393.5 SS 408.4
 CRT -.8242 CRS -.9430 CST .9634
 LSA 714.6 MSA 178.9 SSA 17.3
 EL1 586.7 EL2 178.7 ALF 141.13

LAUNCH DATE JUN 20 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 189.298

RL 152.01 LAL -.00 LOL 268.01 VL 24.448 GAL -1.33 AZL 93.46 HCA 79.13 SMA 115.57 ECC .31614 INC 3.4559 V1 29.308
 RP 108.80 LAP -3.39 LOP 347.11 VP 35.933 GAP -18.13 AZP 90.65 TAL 182.87 TAP 262.00 RCA 79.03 APO 152.10 V2 34.830
 RC 43.796 GL -16.55 GP -2.14 ZAL 97.66 ZAP 4.14 ETS 148.59 ZAE 158.74 ETE 27.47 ZAC 95.12 ETC 13.84 CLP 3.54

PLANETOCENTRIC CONIC

C3 26.761 VHL 5.173 OLA -11.25 RAL 164.27 RAD 6568.1 VEL 12.171 PTH 2.18 VHP 11.072 DPA 4.85 RAP 171.90 ECC 1.4404
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 54 52 1928.50 -11.76 24.12 28.66 115.95 6 27 1 1328.5 -8.17 17.28
 90.00 15 0 1 5286.15 27.13 239.36 34.59 81.56 16 28 7 4686.2 25.68 230.99
 100.00 7 10 33 1684.34 -12.93 5.57 28.06 117.19 7 38 37 1084.3 -9.19 358.78
 100.00 16 27 2 5005.54 28.43 218.48 34.35 80.34 17 50 27 4405.5 26.80 210.06
 110.00 8 5 58 1510.78 -16.02 350.65 26.30 120.61 8 31 9 910.8 -11.83 344.03
 110.00 17 48 6 4751.86 31.88 198.42 33.55 76.96 19 7 18 4151.9 29.76 189.85

DIFFERENTIAL CORRECTIONS

TDE .3994 TRA -.6477 TC3 .3046 BAU .1167
 RDE -.3531 RRA -.1382 RC3 .1164 FAU .02573
 FDE -.3998 FRA .2530 FC3 -.8323 BSP 2614
 BDE .5331 BRA .6623 BC3 .3261 FSP -210

MID-COURSE EXECUTION ACCURACY

SGT 911.0 SGR 438.0 SG3 87.2
 RRT -.0523 RRF .0563 RTF -.7352
 SGB 1010.8 R23 -.0063 R13 .7354
 SG1 911.4 SG2 437.2 THA 178.13

ORBIT DETERMINATION ACCURACY

ST 493.9 SR 393.9 SS 432.2
 CRT -.8363 CRS -.9501 CST .9633
 LSA 744.6 MSA 176.6 SSA 17.8
 EL1 606.8 EL2 175.8 ALF 142.63

LAUNCH DATE JUN 20 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 196.002

RL 152.01 LAL -.00 LOL 268.01 VL 24.720 GAL -1.47 AZL 93.42 HCA 82.30 SMA 116.93 ECC .30105 INC 3.4171 V1 29.308
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.127 GAP -17.07 AZP 90.46 TAL 183.42 TAP 265.72 RCA 81.73 APO 152.13 V2 34.838
 RC 44.440 GL -17.40 GP -2.27 ZAL 98.85 ZAP 2.82 ETS 126.05 ZAE 156.79 ETE 24.32 ZAC 93.89 ETC 13.78 CLP 1.67

PLANETOCENTRIC CONIC

C3 24.270 VHL 4.926 OLA -11.54 RAL 162.78 RAD 6568.0 VEL 12.068 PTH 2.16 VHP 10.469 DPA 4.21 RAP 173.05 ECC 1.3994
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 20 1894.68 -10.74 22.16 25.67 116.36 6 22 55 1294.7 -7.12 15.36
 90.00 14 51 40 5271.74 26.98 238.33 31.40 81.07 16 19 32 4671.7 25.47 229.99
 100.00 7 6 51 1651.08 -11.89 3.65 25.08 117.63 7 34 22 1051.1 -8.10 356.92
 100.00 16 18 51 4990.58 28.25 217.41 31.16 79.80 17 42 1 4390.6 26.55 209.02
 110.00 8 1 53 1478.71 -14.89 348.84 23.34 121.13 8 26 32 878.7 -10.66 342.29
 110.00 17 40 18 4735.71 31.63 197.23 30.34 76.29 18 59 13 4135.7 29.42 188.72

DIFFERENTIAL CORRECTIONS

TDE .4025 TRA -.6189 TC3 .3744 BAU .1280
 RDE -.3363 RRA -.1289 RC3 .1240 FAU .02747
 FDE -.4275 FRA .2406 FC3 -.9799 BSP 2745
 BDE .5245 BRA .6322 BC3 .3945 FSP -238

MID-COURSE EXECUTION ACCURACY

SGT 946.1 SGR 437.4 SG3 97.0
 RRT -.0619 RRF .0667 RTF -.7519
 SGB 1042.3 R23 -.0076 R13 .7521
 SG1 946.5 SG2 436.3 THA 177.92

ORBIT DETERMINATION ACCURACY

ST 517.5 SR 393.8 SS 457.0
 CRT -.8485 CRS -.9568 CST .9634
 LSA 775.4 MSA 173.9 SSA 18.5
 EL1 627.2 EL2 172.0 ALF 144.03

LAUNCH DATE JUN 20 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 202.719

RL 152.01 LAL -.00 LOL 268.01 VL 24.970 GAL -1.62 AZL 93.38 HCA 85.47 SMA 118.22 ECC .28714 INC 3.3788 V1 29.308
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.306 GAP -16.06 AZP 90.27 TAL 184.02 TAP 269.49 RCA 84.27 APO 152.16 V2 34.846
 RC 45.237 GL -18.22 GP -2.42 ZAL 100.13 ZAP 2.43 ETS 84.04 ZAE 154.95 ETE 21.67 ZAC 92.70 ETC 13.73 CLP -.24

PLANETOCENTRIC CONIC

C3 22.135 VHL 4.705 OLA -11.77 RAL 161.20 RAD 6567.9 VEL 11.980 PTH 2.14 VHP 9.892 DPA 3.57 RAP 174.15 ECC 1.3643
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 56 1864.62 -9.83 20.42 22.70 116.69 6 18 0 1264.6 -6.17 13.66
 90.00 14 43 27 5256.90 26.82 237.27 28.23 80.56 16 11 4 4656.9 25.24 228.96
 100.00 7 2 18 1621.46 -10.95 1.96 22.12 117.99 7 29 19 1021.5 -7.12 355.26
 100.00 16 10 46 4975.29 28.06 216.31 27.98 79.25 17 33 42 4375.3 26.29 207.96
 110.00 7 57 2 1450.03 -13.88 347.23 20.40 121.56 8 21 12 850.0 -9.60 340.74
 110.00 17 32 32 4719.48 31.36 196.04 27.13 75.64 18 51 11 4119.5 29.07 187.58

DIFFERENTIAL CORRECTIONS

TDE .4028 TRA -.5898 TC3 .4493 BAU .1384
 RDE -.3208 RRA -.1202 RC3 .1304 FAU .02947
 FDE -.4575 FRA .2252 FC3 -1.1525 BSP 2855
 BDE .5149 BRA .6019 BC3 .4678 FSP -269

MID-COURSE EXECUTION ACCURACY

SGT 978.6 SGR 436.0 SG3 108.1
 RRT -.0705 RRF .0784 RTF -.7656
 SGB 1071.3 R23 -.0112 R13 .7660
 SG1 979.2 SG2 434.6 THA 177.76

ORBIT DETERMINATION ACCURACY

ST 537.8 SR 393.3 SS 482.4
 CRT -.8592 CRS -.9632 CST .9627
 LSA 804.3 MSA 171.3 SSA 19.1
 EL1 644.8 EL2 167.8 ALF 145.16

LAUNCH DATE JUN 20 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 209.444

RL 152.01 LAL -.00 LOL 268.01 VL 25.198 GAL -1.76 AZL 93.34 HCA 88.64 SMA 119.44 ECC .27435 INC 3.3409 V1 29.308
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.472 GAP -15.09 AZP 90.08 TAL 184.67 TAP 273.32 RCA 86.67 APO 152.20 V2 34.856
 RC 46.178 GL -19.01 GP -2.58 ZAL 101.50 ZAP 3.38 ETS 49.09 ZAE 153.25 ETE 19.39 ZAC 91.56 ETC 13.70 CLP -2.19

PLANETOCENTRIC CONIC

C3 20.307 VHL 4.506 OLA -11.93 RAL 159.54 RAD 6567.8 VEL 11.903 PTH 2.11 VHP 9.341 DPA 2.93 RAP 175.20 ECC 1.3342
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 41 1838.47 -9.03 18.92 19.78 116.95 6 12 19 1238.5 -5.34 12.18
 90.00 14 35 30 5241.58 26.65 236.18 25.08 80.05 16 2 52 4641.6 25.00 227.90
 100.00 6 56 57 1595.62 -10.12 .49 19.20 118.28 7 23 32 995.6 -6.26 353.82
 100.00 16 2 55 4959.66 27.86 215.19 24.83 78.70 17 25 35 4359.7 26.02 206.88
 110.00 7 51 28 1424.87 -12.98 345.84 17.51 121.90 8 15 13 824.9 -8.67 339.40
 110.00 17 24 53 4703.18 31.08 194.85 23.96 74.99 18 43 16 4103.2 28.70 186.46

DIFFERENTIAL CORRECTIONS

TDE .4085 TRA -.5596 TC3 .5350 BAU .1498
 RDE -.3067 RRA -.1122 RC3 .1352 FAU .03170
 FDE -.4911 FRA .2059 FC3 -1.3514 BSP 3016
 BDE .5108 BRA .5708 BC3 .5518 FSP -305

MID-COURSE EXECUTION ACCURACY

SGT 1015.4 SGR 433.8 SG3 120.5
 RRT -.0858 RRF .0928 RTF -.7811
 SGB 1104.2 R23 -.0110 R13 .7815
 SG1 1016.3 SG2 431.8 THA 177.44

ORBIT DETERMINATION ACCURACY

ST 563.5 SR 392.5 SS 508.9
 CRT -.8725 CRS -.9692 CST .9634
 LSA 837.9 MSA 167.6 SSA 19.7
 EL1 667.4 EL2 161.9 ALF 146.48

LAUNCH DATE JUN 20 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 216.174

RL 152.01 LAL -.00 LOL 268.01 VL 25.406 GAL -1.91 AZL 93.30 HCA 91.82 SMA 120.58 ECC .26263 INC 3.3030 V1 29.308
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.626 GAP -14.16 AZP 89.90 TAL 185.38 TAP 277.19 RCA 88.91 APO 152.25 V2 34.865
 RC 47.255 GL -19.75 GP -2.75 ZAL 102.94 ZAP 5.03 ETS 32.60 ZAE 151.73 ETE 17.40 ZAC 90.48 ETC 13.68 CLP -4.21

PLANETOCENTRIC CONIC

C3 18.743 VHL 4.329 DLA -12.03 RAL 157.84 RAD 6567.8 VEL 11.837 PTH 2.10 VHP 8.814 DPA 2.30 RAP 176.19 ECC 1.3085
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 35 40 1816.33 -8.34 17.66 16.91 117.16 6 5 56 1216.3 -4.63 10.94
 90.00 14 27 54 5225.76 26.46 235.07 21.99 79.52 15 55 0 4625.8 24.74 226.82
 100.00 6 50 52 1573.67 -9.41 359.24 16.34 118.50 7 17 6 973.7 -5.53 352.60
 100.00 15 55 23 4943.65 27.64 214.05 21.73 78.14 17 17 46 4343.7 25.73 205.78
 110.00 7 45 16 1403.31 -12.20 344.66 14.68 122.18 8 8 39 803.3 -7.86 338.25
 110.00 17 17 28 4686.78 30.78 193.67 20.85 74.34 18 35 35 4086.8 28.33 185.33

DIFFERENTIAL CORRECTIONS

TDE .4109 TRA -.5292 TC3 .6238 BAU .1601
 RDE -.2940 RRA -.1048 RC3 .1378 FAU .03424
 FDE -.5278 FRA .1833 FC3-1.5816 BSP 3147
 BDE .5052 BRA .5394 BC3 .6388 FSP -346

MID-COURSE EXECUTION ACCURACY

SGT 1048.8 SGR 430.9 SG3 134.5
 RRT -.1009 RRF .1091 RTF -.7942
 SGB 1133.9 R23 -.0131 R13 .7946
 SG1 1049.9 SG2 428.3 THA 177.15

ORBIT DETERMINATION ACCURACY

ST 584.9 SR 391.4 SS 535.9
 CRT -.8840 CRS -.9747 CST .9634
 LSA 868.9 MSA 164.3 SSA 20.4
 EL1 686.2 EL2 155.9 ALF 147.51

LAUNCH DATE JUN 20 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 222.906

RL 152.01 LAL -.00 LOL 268.01 VL 25.597 GAL -2.05 AZL 93.27 HCA 94.99 SMA 121.66 ECC .25193 INC 3.2650 V1 29.308
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.768 GAP -13.27 AZP 89.72 TAL 186.11 TAP 281.11 RCA 91.01 APO 152.30 V2 34.875
 RC 48.498 GL -20.44 GP -2.95 ZAL 104.43 ZAP 6.94 ETS 24.45 ZAE 150.40 ETE 15.63 ZAC 89.47 ETC 13.67 CLP -6.29

PLANETOCENTRIC CONIC

C3 17.408 VHL 4.172 DLA -12.05 RAL 156.10 RAD 6567.7 VEL 11.781 PTH 2.08 VHP 8.311 DPA 1.68 RAP 177.11 ECC 1.2865
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 28 58 1798.18 -7.77 16.62 14.12 117.31 5 58 56 1198.2 -4.05 9.92
 90.00 14 20 45 5209.42 26.25 233.91 18.98 78.97 15 47 35 4609.4 24.46 225.70
 100.00 6 44 9 1555.57 -8.82 358.22 13.56 118.68 7 10 5 955.6 -4.92 351.60
 100.00 15 48 15 4927.26 27.41 212.89 18.71 77.57 17 10 22 4327.3 25.42 204.66
 110.00 7 38 31 1385.32 -11.55 343.67 11.93 122.40 8 1 36 785.3 -7.19 337.29
 110.00 17 10 22 4670.27 30.47 192.48 17.81 73.70 18 28 13 4070.3 27.94 184.20

DIFFERENTIAL CORRECTIONS

TDE .4122 TRA -.4989 TC3 .7157 BAU .1696
 RDE -.2824 RRA -.0981 RC3 .1377 FAU .03711
 FDE -.5680 FRA .1570 FC3-1.8453 BSP 3263
 BDE .4997 BRA .5085 BC3 .7288 FSP -392

MID-COURSE EXECUTION ACCURACY

SGT 1080.7 SGR 427.3 SG3 150.3
 RRT -.1178 RRF .1280 RTF -.8059
 SGB 1162.2 R23 -.0159 R13 .8065
 SG1 1082.1 SG2 423.8 THA 176.85

ORBIT DETERMINATION ACCURACY

ST 604.1 SR 390.1 SS 563.1
 CRT -.8946 CRS -.9796 CST .9632
 LSA 898.7 MSA 161.4 SSA 21.0
 EL1 703.3 EL2 149.7 ALF 148.39

LAUNCH DATE JUN 20 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 229.635

RL 152.01 LAL -.00 LOL 268.01 VL 25.770 GAL -2.19 AZL 93.23 HCA 98.17 SMA 122.66 ECC .24220 INC 3.2266 V1 29.308
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.898 GAP -12.41 AZP 89.54 TAL 186.88 TAP 285.06 RCA 92.95 APO 152.36 V2 34.886
 RC 49.776 GL -21.06 GP -3.18 ZAL 105.94 ZAP 9.02 ETS 19.80 ZAE 149.29 ETE 14.04 ZAC 88.54 ETC 13.67 CLP -8.44

PLANETOCENTRIC CONIC

C3 16.269 VHL 4.034 DLA -12.01 RAL 154.36 RAD 6567.7 VEL 11.733 PTH 2.07 VHP 7.832 DPA 1.06 RAP 177.95 ECC 1.2677
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 21 41 1783.93 -7.33 15.81 11.43 117.43 5 51 25 1183.9 -3.60 9.12
 90.00 14 14 48 5192.57 26.02 232.73 16.07 78.42 15 40 41 4592.6 24.16 224.56
 100.00 6 36 55 1541.24 -8.35 357.42 10.88 118.81 7 2 36 941.2 -4.44 350.81
 100.00 15 41 36 4910.48 27.15 211.71 15.79 77.00 17 3 27 4310.5 25.09 203.51
 110.00 7 31 19 1370.84 -11.02 342.89 9.28 122.57 7 54 10 770.8 -6.64 336.52
 110.00 17 3 41 4653.66 30.15 191.29 14.88 73.07 18 21 14 4053.7 27.54 183.08

DIFFERENTIAL CORRECTIONS

TDE .4126 TRA -.4686 TC3 .8095 BAU .1785
 RDE -.2721 RRA -.0921 RC3 .1345 FAU .04036
 FDE -.6124 FRA .1259 FC3-2.1479 BSP 3376
 BDE .4943 BRA .4776 BC3 .8206 FSP -445

MID-COURSE EXECUTION ACCURACY

SGT 1110.5 SGR 423.2 SG3 168.3
 RRT -.1376 RRF .1502 RTF -.8165
 SGB 1188.4 R23 -.0195 R13 .8172
 SG1 1112.3 SG2 418.5 THA 176.50

ORBIT DETERMINATION ACCURACY

ST 621.0 SR 388.6 SS 590.9
 CRT -.9046 CRS -.9839 CST .9629
 LSA 927.4 MSA 158.7 SSA 21.6
 EL1 718.4 EL2 143.2 ALF 149.13

LAUNCH DATE JUN 20 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 236.359

RL 152.01 LAL -.00 LOL 268.01 VL 25.927 GAL -2.32 AZL 93.19 HCA 101.35 SMA 123.59 ECC .23338 INC 3.1875 V1 29.308
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.019 GAP -11.59 AZP 89.37 TAL 187.67 TAP 289.02 RCA 94.74 APO 152.43 V2 34.897
 RC 51.201 GL -21.61 GP -3.43 ZAL 107.46 ZAP 11.22 ETS 16.85 ZAE 148.40 ETE 12.57 ZAC 87.69 ETC 13.69 CLP -10.69

PLANETOCENTRIC CONIC

C3 15.298 VHL 3.911 DLA -11.91 RAL 152.64 RAD 6567.6 VEL 11.691 PTH 2.06 VHP 7.374 DPA .45 RAP 178.70 ECC 1.2518
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 58 1773.41 -7.00 15.22 8.85 117.51 5 43 31 1173.4 -3.26 8.53
 90.00 14 8 7 5175.21 25.78 231.52 13.27 77.86 15 34 22 4575.2 23.85 223.38
 100.00 6 29 15 1530.52 -8.00 356.82 8.31 118.90 6 54 45 930.5 -4.08 350.22
 100.00 15 35 31 4893.33 26.89 210.50 12.99 76.42 16 57 5 4293.3 24.75 202.36
 110.00 7 23 48 1359.69 -10.61 342.28 6.74 122.69 7 46 27 759.7 -6.22 335.93
 110.00 16 57 28 4636.93 29.81 190.11 12.07 72.44 18 14 45 4036.9 27.12 181.95

DIFFERENTIAL CORRECTIONS

TDE .4121 TRA -.4386 TC3 .9026 BAU .1864
 RDE -.2629 RRA -.0869 RC3 .1275 FAU .04407
 FDE -.6617 FRA .0896 FC3-2.4938 BSP 3482
 BDE .4888 BRA .4471 BC3 .9116 FSP -505

MID-COURSE EXECUTION ACCURACY

SGT 1137.6 SGR 418.6 SG3 188.6
 RRT -.1610 RRF .1765 RTF -.8260
 SGB 1212.2 R23 -.0237 R13 .8268
 SG1 1139.9 SG2 412.3 THA 176.10

ORBIT DETERMINATION ACCURACY

ST 635.4 SR 387.1 SS 619.2
 CRT -.9138 CRS -.9876 CST .9625
 LSA 955.0 MSA 156.5 SSA 22.1
 EL1 731.4 EL2 136.6 ALF 149.73

LAUNCH DATE JUN 20 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 243.076

RL 152.01 LAL -.00 LOL 268.01 VL 26.070 GAL -2.45 AZL 93.15 HCA 104.54 SMA 124.44 ECC .22541 INC 3.1476 V1 29.308
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.130 GAP -10.80 AZP 89.21 TAL 188.47 TAP 293.00 RCA 96.39 APO 152.50 V2 34.908
 RC 52.722 GL -22.08 GP -3.71 ZAL 108.97 ZAP 13.54 ETS 14.85 ZAE 147.75 ETE 11.18 ZAC 86.96 ETC 13.71 CLP -13.03

PLANETOCENTRIC CONIC

C3 14.471 VHL 3.804 DLA -11.75 RAL 150.96 RAD 6567.6 VEL 11.656 PTH 2.05 VHP 6.939 DPA -.16 RAP 179.34 ECC 1.2381
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 5 55 1766.38 -6.78 14.82 6.41 117.56 5 35 21 1166.4 -3.03 8.14
 90.00 14 2 45 5157.40 25.52 230.28 10.62 77.29 15 28 43 4557.4 23.52 222.18
 100.00 6 21 18 1523.18 -7.76 356.41 5.88 118.96 6 46 41 923.2 -3.83 349.81
 100.00 15 30 4 4875.83 26.60 209.28 10.33 75.83 16 51 20 4275.8 24.39 201.18
 110.00 7 16 3 1351.68 -10.31 341.85 4.33 122.77 7 38 35 751.7 -5.92 335.51
 110.00 16 51 47 4620.10 29.46 188.92 9.39 71.82 18 8 47 4020.1 26.69 180.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

TDE .4102 TRA -.4090 TC3 .9932 BAU .1935
 RDE -.2548 RRA -.0823 RC3 .1164 FAU .04828
 FDE -.7162 FRA .0477 FC3-2.8884 BSP 3577
 BDE .4829 BRA .4172 BC3 1.0000 FSP -575

SGT 1161.3 SGR 413.7 SG3 211.6
 RRT -.1883 RRF .2073 RTF -.8344
 SGB 1232.8 R23 -.0289 R13 .8355
 SG1 1164.3 SG2 405.2 THA 175.63

ORBIT DETERMINATION ACCURACY

ST 646.5 SR 385.6 SS 648.1
 CRT -.9221 CRS -.9906 CST .9619
 LSA 980.9 MSA 155.0 SSA 22.5
 EL1 741.4 EL2 130.1 ALF 150.18

LAUNCH DATE JUN 20 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 249.782

RL 152.01 LAL -.00 LOL 268.01 VL 26.199 GAL -2.56 AZL 93.11 HCA 107.72 SMA 125.23 ECC .21825 INC 3.1064 V1 29.308
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.231 GAP -10.04 AZP 89.05 TAL 189.27 TAP 296.99 RCA 97.90 APO 152.57 V2 34.920
 RC 54.330 GL -22.48 GP -4.03 ZAL 110.44 ZAP 16.00 ETS 13.42 ZAE 147.36 ETE 9.86 ZAC 86.34 ETC 13.75 CLP -15.49

PLANETOCENTRIC CONIC

C3 13.765 VHL 3.710 DLA -11.54 RAL 149.34 RAD 6567.5 VEL 11.625 PTH 2.04 VHP 6.526 DPA -.74 RAP 179.87 ECC 1.2265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 57 40 1762.55 -6.66 14.60 4.11 117.59 5 27 2 1162.6 -2.91 7.92
 90.00 13 58 6 5139.19 25.24 229.02 8.11 76.72 15 23 45 4539.2 23.16 220.96
 100.00 6 13 10 1518.94 -7.62 356.17 3.59 118.99 6 38 29 918.9 -3.69 349.58
 100.00 15 25 16 4858.04 26.30 208.05 7.82 75.25 16 46 14 4258.0 24.01 199.99
 110.00 7 8 13 1346.55 -10.12 341.57 2.07 122.83 7 30 40 746.5 -5.73 335.24
 110.00 16 46 43 4603.19 29.09 187.74 6.86 71.21 18 3 26 4003.2 26.25 179.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

TDE .4064 TRA -.3808 TC3 1.0764 BAU .1989
 RDE -.2476 RRA -.0785 RC3 .1005 FAU .05304
 FDE -.7760 FRA .0000 FC3-3.3358 BSP 3648
 BDE .4759 BRA .3888 BC3 1.0811 FSP -654

SGT 1179.8 SGR 408.7 SG3 237.6
 RRT -.2200 RRF .2433 RTF -.8411
 SGB 1248.6 R23 -.0354 R13 .8425
 SG1 1183.7 SG2 397.4 THA 175.09

ORBIT DETERMINATION ACCURACY

ST 653.4 SR 384.2 SS 677.0
 CRT -.9292 CRS -.9930 CST .9610
 LSA 1004.2 MSA 154.1 SSA 22.8
 EL1 747.7 EL2 124.0 ALF 150.46

LAUNCH DATE JUN 20 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 256.476

RL 152.01 LAL -.00 LOL 268.01 VL 26.314 GAL -2.67 AZL 93.06 HCA 110.91 SMA 125.96 ECC .21184 INC 3.0637 V1 29.308
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.324 GAP -9.30 AZP 88.91 TAL 190.05 TAP 300.96 RCA 99.28 APO 152.64 V2 34.932
 RC 56.016 GL -22.78 GP -4.39 ZAL 111.87 ZAP 18.59 ETS 12.36 ZAE 147.23 ETE 8.55 ZAC 85.85 ETC 13.79 CLP -18.08

PLANETOCENTRIC CONIC

C3 13.161 VHL 3.628 DLA -11.27 RAL 147.80 RAD 6567.5 VEL 11.599 PTH 2.03 VHP 6.134 DPA -1.32 RAP 180.27 ECC 1.2166
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 49 20 1761.62 -6.63 14.55 1.96 117.59 5 18 42 1161.6 -2.88 7.87
 90.00 13 54 9 5120.62 24.94 227.74 5.77 76.14 15 19 30 4520.6 22.79 219.73
 100.00 6 5 0 1517.50 -7.57 356.09 1.45 119.00 6 30 18 917.5 -3.64 349.50
 100.00 15 21 10 4839.97 25.98 206.80 5.47 74.67 16 41 50 4240.0 23.62 198.79
 110.00 7 0 24 1344.03 -10.03 341.44 359.96 122.85 7 22 48 744.0 -5.63 335.11
 110.00 16 42 16 4586.21 28.72 186.57 4.50 70.61 17 58 42 3986.2 25.80 178.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

TDE .4031 TRA -.3515 TC3 1.1581 BAU .2043
 RDE -.2415 RRA -.0756 RC3 .0790 FAU .05857
 FDE -.8448 FRA -.0571 FC3-3.8528 BSP 3762
 BDE .4699 BRA .3595 BC3 1.1608 FSP -749

SGT 1196.6 SGR 404.4 SG3 267.7
 RRT -.2599 RRF .2871 RTF -.8485
 SGB 1263.1 R23 -.0420 R13 .8503
 SG1 1201.7 SG2 388.8 THA 174.39

ORBIT DETERMINATION ACCURACY

ST 659.4 SR 383.1 SS 708.6
 CRT -.9364 CRS -.9950 CST .9605
 LSA 1029.4 MSA 153.4 SSA 22.9
 EL1 753.5 EL2 117.6 ALF 150.67

LAUNCH DATE JUN 20 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 263.155

RL 152.01 LAL -.00 LOL 268.01 VL 26.418 GAL -2.78 AZL 93.02 HCA 114.10 SMA 126.62 ECC .20612 INC 3.0191 V1 29.308
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.409 GAP -8.60 AZP 88.77 TAL 190.81 TAP 304.91 RCA 100.52 APO 152.71 V2 34.945
 RC 57.772 GL -23.01 GP -4.81 ZAL 113.24 ZAP 21.34 ETS 11.55 ZAE 147.37 ETE 7.23 ZAC 85.52 ETC 13.84 CLP -20.82

PLANETOCENTRIC CONIC

C3 12.644 VHL 3.556 DLA -10.96 RAL 146.36 RAD 6567.5 VEL 11.577 PTH 2.02 VHP 5.763 DPA -1.88 RAP 180.51 ECC 1.2081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 41 4 1763.24 -6.68 14.64 359.99 117.58 5 10 27 1163.2 -2.93 7.96
 90.00 13 50 58 5101.75 24.63 226.45 3.59 75.57 15 16 0 4501.8 22.41 218.48
 100.00 5 56 55 1518.53 -7.60 356.15 359.49 119.00 6 22 13 918.5 -3.68 349.56
 100.00 15 17 48 4821.69 25.64 205.54 3.29 74.09 16 38 10 4221.7 23.21 197.59
 110.00 6 52 42 1343.81 -10.02 341.42 358.02 122.85 7 15 6 743.8 -5.62 335.10
 110.00 16 38 30 4569.17 28.33 185.39 2.32 70.01 17 54 39 3969.2 25.34 177.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

TDE .3950 TRA -.3264 TC3 1.2215 BAU .2067
 RDE -.2361 RRA -.0733 RC3 .0518 FAU .06471
 FDE -.9174 FRA -.1187 FC3-4.4310 BSP 3792
 BDE .4602 BRA .3345 BC3 1.2226 FSP -852

SGT 1202.8 SGR 400.7 SG3 301.2
 RRT -.3024 RRF .3363 RTF -.8523
 SGB 1267.8 R23 -.0525 R13 .8547
 SG1 1209.6 SG2 379.8 THA 173.62

ORBIT DETERMINATION ACCURACY

ST 657.0 SR 382.1 SS 738.1
 CRT -.9413 CRS -.9963 CST .9590
 LSA 1048.0 MSA 154.2 SSA 22.9
 EL1 751.6 EL2 112.8 ALF 150.57

LAUNCH DATE JUN 20 1967

FLIGHT TIME 102.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 269.819

RL 152.01 LAL -.00 LOL 268.01 VL 26.511 GAL -2.87 AZL 92.97 HCA 117.29 SMA 127.21 ECC .20104 INC 2.9723 V1 29.308
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.486 GAP -7.92 AZP 88.64 TAL 191.54 TAP 308.83 RCA 101.64 APO 152.79 V2 34.957
 RC 59.590 GL -23.15 GP -5.28 ZAL 114.53 ZAP 24.27 ETS 10.93 ZAE 147.79 ETE 5.85 ZAC 85.36 ETC 13.89 CLP -23.72

PLANETOCENTRIC CONIC

C3 12.198 VHL 3.493 DLA -10.62 RAL 145.04 RAD 6567.5 VEL 11.558 PTH 2.02 VHP 5.414 DPA -2.43 RAP 180.57 ECC 1.2007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 32 56 1767.09 -6.80 14.86 358.18 117.55 5 2 23 1167.1 -3.06 8.18
 90.00 13 48 32 5082.61 24.30 225.14 1.60 74.99 15 13 14 4482.6 22.00 217.22
 100.00 5 48 59 1521.74 -7.71 356.33 357.69 118.97 6 14 21 921.7 -3.79 349.74
 100.00 15 15 10 4803.20 25.29 204.28 1.29 73.51 16 35 13 4203.2 22.79 196.38
 110.00 6 45 13 1345.63 -10.09 341.52 356.25 122.83 7 7 39 745.6 -5.69 335.19
 110.00 16 35 25 4552.07 27.92 184.23 .30 69.43 17 51 17 3952.1 24.87 176.39

DIFFERENTIAL CORRECTIONS

TDE .3853 TRA -.3030 TC3 1.2717 BAU .2074
 RDE -.2316 RRA -.0718 RC3 .0175 FAU .07172
 FDE -.9986 FRA -.1890 FC3-5.0907 BSP 3806
 BDE .4495 BRA .3114 BC3 1.2718 FSP -970

MID-COURSE EXECUTION ACCURACY

SGT 1201.8 SGR 398.6 SG3 339.4
 RRT -.3520 RRF .3939 RTF -.8547
 SGB 1266.2 R23 -.0656 R13 .8580
 SG1 1210.8 SG2 370.3 THA 172.65

ORBIT DETERMINATION ACCURACY

ST 650.5 SR 381.7 SS 769.2
 CRT -.9452 CRS -.9972 CST .9571
 LSA 1065.8 MSA 155.5 SSA 22.8
 EL1 746.4 EL2 108.6 ALF 150.30

LAUNCH DATE JUN 20 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 276.465

RL 152.01 LAL -.00 LOL 268.01 VL 26.594 GAL -2.95 AZL 92.92 HCA 120.48 SMA 127.75 ECC .19655 INC 2.9225 V1 29.308
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.556 GAP -7.26 AZP 88.52 TAL 192.23 TAP 312.71 RCA 102.64 APO 152.86 V2 34.970
 RC 61.464 GL -23.21 GP -5.82 ZAL 115.73 ZAP 27.39 ETS 10.44 ZAE 148.51 ETE 4.36 ZAC 85.40 ETC 13.94 CLP -26.81

PLANETOCENTRIC CONIC

C3 11.810 VHL 3.437 DLA -10.23 RAL 143.84 RAD 6567.5 VEL 11.541 PTH 2.01 VHP 5.086 DPA -2.96 RAP 180.45 ECC 1.1944
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 25 1 1772.90 -6.98 15.19 356.55 117.51 4 54 34 1172.9 -3.24 8.50
 90.00 13 46 52 5063.19 23.95 223.83 359.78 74.42 15 11 15 4463.2 21.58 215.95
 100.00 5 41 18 1526.84 -7.88 356.61 356.07 118.93 6 6 44 926.8 -3.96 350.02
 100.00 15 13 17 4784.48 24.92 203.01 359.47 72.94 16 33 1 4184.5 22.35 195.16
 110.00 6 38 1 1349.22 -10.22 341.72 354.65 122.80 7 0 30 749.2 -5.83 335.38
 110.00 16 33 3 4534.86 27.50 183.06 358.47 68.85 17 48 38 3934.9 24.38 175.29

DIFFERENTIAL CORRECTIONS

TDE .3738 TRA -.2809 TC3 1.3083 BAU .2066
 RDE -.2281 RRA -.0714 RC3 -.0247 FAU .07969
 FDE -1.0883 FRA -.2692 FC3-5.8418 BSP 3825
 BDE .4379 BRA .2898 BC3 1.3085 FSP -1110

MID-COURSE EXECUTION ACCURACY

SGT 1193.1 SGR 399.4 SG3 382.7
 RRT -.4087 RRF .4597 RTF -.8561
 SGB 1258.2 R23 -.0817 R13 .8606
 SG1 1205.3 SG2 360.8 THA 171.44

ORBIT DETERMINATION ACCURACY

ST 640.0 SR 382.0 SS 801.4
 CRT -.9484 CRS -.9977 CST .9551
 LSA 1082.9 MSA 157.1 SSA 22.5
 EL1 737.9 EL2 105.1 ALF 149.81

LAUNCH DATE JUN 20 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 283.094

RL 152.01 LAL -.00 LOL 268.01 VL 26.666 GAL -3.02 AZL 92.87 HCA 123.68 SMA 128.23 ECC .19260 INC 2.8694 V1 29.308
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.620 GAP -6.63 AZP 88.41 TAL 192.86 TAP 316.53 RCA 103.53 APO 152.92 V2 34.983
 RC 63.388 GL -23.18 GP -6.43 ZAL 116.84 ZAP 30.72 ETS 10.04 ZAE 149.52 ETE 2.69 ZAC 85.64 ETC 13.98 CLP -30.10

PLANETOCENTRIC CONIC

C3 11.469 VHL 3.387 DLA -9.82 RAL 142.77 RAD 6567.4 VEL 11.526 PTH 2.01 VHP 4.780 DPA -3.48 RAP 180.11 ECC 1.1888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 17 25 1780.41 -7.22 15.61 355.10 117.46 4 47 5 1180.4 -3.48 8.92
 90.00 13 45 58 5043.46 23.58 222.50 358.15 73.85 15 10 1 4443.5 21.14 214.67
 100.00 5 33 55 1533.60 -8.10 356.99 354.63 118.87 5 59 29 933.6 -4.19 350.39
 100.00 15 12 9 4765.50 24.54 201.73 357.83 72.37 16 31 34 4165.5 21.90 193.93
 110.00 6 31 9 1354.36 -10.41 341.99 353.23 122.74 6 53 44 754.4 -6.02 335.65
 110.00 16 31 24 4517.51 27.07 181.90 356.82 68.29 17 46 41 3917.5 23.88 174.19

DIFFERENTIAL CORRECTIONS

TDE .3576 TRA -.2638 TC3 1.3175 BAU .2024
 RDE -.2253 RRA -.0717 RC3 -.0757 FAU .08851
 FDE -1.1828 FRA -.3547 FC3-6.6809 BSP 3764
 BDE .4226 BRA .2734 BC3 1.3197 FSP -1262

MID-COURSE EXECUTION ACCURACY

SGT 1169.4 SGR 403.8 SG3 430.7
 RRT -.4670 RRF .5314 RTF -.8530
 SGB 1237.2 R23 -.1053 R13 .8597
 SG1 1186.0 SG2 352.1 THA 169.94

ORBIT DETERMINATION ACCURACY

ST 620.6 SR 382.9 SS 831.8
 CRT -.9493 CRS -.9980 CST .9516
 LSA 1094.4 MSA 159.8 SSA 22.1
 EL1 721.9 EL2 103.5 ALF 148.93

LAUNCH DATE JUN 20 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 289.702

RL 152.01 LAL -.00 LOL 268.01 VL 26.730 GAL -3.08 AZL 92.81 HCA 126.87 SMA 128.65 ECC .18915 INC 2.8122 V1 29.308
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.678 GAP -6.02 AZP 88.31 TAL 193.43 TAP 320.31 RCA 104.32 APO 152.98 V2 34.996
 RC 65.357 GL -23.07 GP -7.13 ZAL 117.85 ZAP 34.28 ETS 9.71 ZAE 150.84 ETE .75 ZAC 86.13 ETC 14.00 CLP -33.62

PLANETOCENTRIC CONIC

C3 11.166 VHL 3.342 DLA -9.37 RAL 141.85 RAD 6567.4 VEL 11.513 PTH 2.01 VHP 4.496 DPA -4.00 RAP 179.53 ECC 1.1838
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 10 8 1789.44 -7.50 16.13 353.83 117.39 4 39 57 1189.4 -3.77 9.43
 90.00 13 45 52 5023.32 23.20 221.15 356.69 73.29 15 9 35 4423.3 20.69 213.37
 100.00 5 26 53 1541.84 -8.37 357.45 353.36 118.80 5 52 35 941.8 -4.46 350.84
 100.00 15 11 48 4746.16 24.13 200.44 356.37 71.80 16 30 54 4146.2 21.42 192.69
 110.00 6 24 40 1360.88 -10.65 342.35 351.99 122.68 6 47 21 760.9 -6.27 336.00
 110.00 16 30 30 4499.88 26.62 180.72 355.35 67.72 17 45 30 3899.9 23.37 173.08

DIFFERENTIAL CORRECTIONS

TDE .3382 TRA -.2507 TC3 1.3009 BAU .1953
 RDE -.2234 RRA -.0730 RC3 -.1371 FAU .09828
 FDE -1.2836 FRA -.4464 FC3-7.6202 BSP 3654
 BDE .4053 BRA .2611 BC3 1.3081 FSP -1430

MID-COURSE EXECUTION ACCURACY

SGT 1132.2 SGR 413.8 SG3 484.0
 RRT -.5262 RRF .6074 RTF -.8460
 SGB 1205.4 R23 -.1370 R13 .8564
 SG1 1155.0 SG2 344.9 THA 168.03

ORBIT DETERMINATION ACCURACY

ST 594.9 SR 385.0 SS 861.8
 CRT -.9484 CRS -.9981 CST .9469
 LSA 1103.6 MSA 162.9 SSA 21.6
 EL1 701.0 EL2 103.6 ALF 147.67

LAUNCH DATE JUN 20 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 296.291

RL 152.01 LAL -.00 LOL 268.01 VL 26.786 GAL -3.13 AZL 92.75 HCA 130.07 SMA 129.02 ECC .18615 INC 2.7498 V1 29.308
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.729 GAP -5.43 AZP 88.23 TAL 193.94 TAP 324.02 RCA 105.00 APO 153.04 V2 35.009
 RT 67.365 GL -22.88 GP -7.94 ZAL 118.75 ZAP 38.10 ETS 9.41 ZAE 152.45 ETE 358.39 ZAC 86.88 ETC 14.00 CLP -37.38

PLANETOCENTRIC CONIC

C3 10.891 VHL 3.300 DLA -8.89 RAL 141.07 RAD 6567.4 VEL 11.501 PTH 2.00 VHP 4.235 DPA -4.50 RAP 178.69 ECC 1.1792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 3 12 1799.90 -7.83 16.72 352.73 117.30 4 33 12 1199.9 -4.11 10.02
 90.00 13 46 34 5002.61 22.78 219.77 355.40 72.71 15 9 57 4402.6 20.20 212.05
 100.00 5 20 13 1551.46 -8.68 357.99 352.27 118.72 5 46 4 951.5 -4.79 351.38
 100.00 15 12 15 4726.29 23.70 199.12 355.07 71.24 16 31 1 4126.3 20.92 191.43
 110.00 6 18 35 1368.68 -10.94 342.77 350.91 122.59 6 41 24 768.7 -6.56 336.41
 110.00 16 30 22 4481.83 26.15 179.53 354.05 67.16 17 45 4 3881.8 22.83 171.95

DIFFERENTIAL CORRECTIONS

TDE .3151 TRA -.2413 TC3 1.2559 BAU .1854
 RDE -.2225 RRA -.0753 RC3 -.2109 FAU .10903
 FDE-1.3885 FRA -.5451 FC3-8.6669 BSP 3511
 BDE .3857 BRA .2528 BC3 1.2734 FSP -1619

MID-COURSE EXECUTION ACCURACY

SGT 1079.9 SGR 431.4 SG3 542.7
 RRT -.5808 RRF .6843 RTF -.8336
 SGB 1162.9 R23 -.1794 R13 .8504
 SG1 1111.7 SG2 341.1 THA 165.55

ORBIT DETERMINATION ACCURACY

ST 562.2 SR 388.4 SS 890.6
 CRT -.9452 CRS -.9981 CST .9402
 LSA 1110.0 MSA 166.3 SSA 21.0
 EL1 675.1 EL2 105.6 ALF 145.91

LAUNCH DATE JUN 20 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 302.858

RL 152.01 LAL -.00 LOL 268.01 VL 26.833 GAL -3.17 AZL 92.68 HCA 133.28 SMA 129.34 ECC .18356 INC 2.6813 V1 29.308
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.775 GAP -4.86 AZP 88.16 TAL 194.38 TAP 327.65 RCA 105.60 APO 153.08 V2 35.023
 RC 69.409 GL -22.60 GP -8.87 ZAL 119.56 ZAP 42.18 ETS 9.12 ZAE 154.36 ETE 355.42 ZAC 87.90 ETC 13.96 CLP -41.41

PLANETOCENTRIC CONIC

C3 10.637 VHL 3.261 DLA -8.37 RAL 140.44 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 3.998 DPA -5.01 RAP 177.56 ECC 1.1751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 56 36 1811.80 -8.20 17.40 351.80 117.20 4 26 48 1211.8 -4.49 10.68
 90.00 13 48 9 4981.08 22.34 218.35 354.28 72.13 15 11 10 4381.1 19.69 210.68
 100.00 5 13 53 1562.47 -9.04 358.61 351.35 118.61 5 39 56 962.5 -5.15 351.98
 100.00 15 13 33 4705.64 23.25 197.76 353.95 70.66 16 31 59 4105.6 20.39 190.12
 110.00 6 12 53 1377.76 -11.27 343.26 350.02 122.49 6 35 50 777.8 -6.90 336.89
 110.00 16 31 3 4463.12 25.65 178.31 352.92 66.59 17 45 26 3863.1 22.26 170.79

DIFFERENTIAL CORRECTIONS

TDE .2895 TRA -.2355 TC3 1.1822 BAU .1734
 RDE -.2227 RRA -.0788 RC3 -.3000 FAU .12079
 FDE-1.4977 FRA -.6497 FC3-9.8317 BSP 3348
 BDE .3653 BRA .2483 BC3 1.2197 FSP -1831

MID-COURSE EXECUTION ACCURACY

SGT 1013.9 SGR 459.4 SG3 607.1
 RRT -.6256 RRF .7578 RTF -.8141
 SGB 1113.2 R23 -.2328 R13 .8427
 SG1 1058.9 SG2 343.2 THA 162.25

ORBIT DETERMINATION ACCURACY

ST 524.3 SR 393.6 SS 919.1
 CRT -.9394 CRS -.9981 CST .9312
 LSA 1116.0 MSA 169.6 SSA 20.4
 EL1 646.4 EL2 109.4 ALF 143.60

LAUNCH DATE JUN 20 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 309.405

RL 152.01 LAL -.00 LOL 268.01 VL 26.874 GAL -3.20 AZL 92.61 HCA 136.48 SMA 129.62 ECC .18134 INC 2.6051 V1 29.308
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.816 GAP -4.31 AZP 88.11 TAL 194.74 TAP 331.22 RCA 106.11 APO 153.12 V2 35.036
 RC 71.485 GL -22.23 GP -9.93 ZAL 120.26 ZAP 46.54 ETS 8.82 ZAE 156.52 ETE 351.52 ZAC 89.22 ETC 13.86 CLP -45.71

PLANETOCENTRIC CONIC

C3 10.396 VHL 3.224 DLA -7.81 RAL 139.96 RAD 6567.4 VEL 11.480 PTH 2.00 VHP 3.785 DPA -5.54 RAP 176.13 ECC 1.1711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 50 18 1825.22 -8.62 18.16 351.04 117.08 4 20 43 1225.2 -4.92 11.44
 90.00 13 50 40 4958.39 21.86 216.86 353.33 71.54 15 13 18 4358.4 19.13 209.24
 100.00 5 7 53 1574.94 -9.45 359.32 350.60 118.49 5 34 8 974.9 -5.57 352.67
 100.00 15 15 46 4683.90 22.75 196.33 352.99 70.07 16 33 50 4083.9 19.83 188.76
 110.00 6 7 32 1388.16 -11.65 343.83 349.29 122.37 6 30 40 788.2 -7.29 337.44
 110.00 16 32 36 4443.45 25.11 177.03 351.95 66.01 17 46 39 3843.4 21.66 169.59

DIFFERENTIAL CORRECTIONS

TDE .2582 TRA -.2364 TC3 1.0637 BAU .1582
 RDE -.2238 RRA -.0831 RC3 -.4058 FAU .13304
 FDE-1.5990 FRA -.7487 FC-11.0790 BSP 3102
 BDE .3417 BRA .2506 BC3 1.1385 FSP -2048

MID-COURSE EXECUTION ACCURACY

SGT 927.8 SGR 498.8 SG3 674.4
 RRT -.6455 RRF .8218 RTF -.7781
 SGB 1053.4 R23 -.3011 R13 .8306
 SG1 991.2 SG2 356.6 THA 157.84

ORBIT DETERMINATION ACCURACY

ST 476.6 SR 400.2 SS 941.1
 CRT -.9276 CRS -.9981 CST .9164
 LSA 1114.7 MSA 173.4 SSA 19.7
 EL1 611.4 EL2 116.6 ALF 140.36

LAUNCH DATE JUN 20 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 315.929

RL 152.01 LAL -.00 LOL 268.01 VL 26.908 GAL -3.22 AZL 92.52 HCA 139.69 SMA 129.85 ECC .17945 INC 2.5192 V1 29.308
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.853 GAP -3.77 AZP 88.08 TAL 195.02 TAP 334.71 RCA 106.55 APO 153.15 V2 35.049
 RC 73.590 GL -21.74 GP -11.16 ZAL 120.86 ZAP 51.19 ETS 8.47 ZAE 158.85 ETE 346.21 ZAC 90.83 ETC 13.68 CLP -50.30

PLANETOCENTRIC CONIC

C3 10.162 VHL 3.188 DLA -7.19 RAL 139.65 RAD 6567.4 VEL 11.470 PTH 1.99 VHP 3.598 DPA -6.09 RAP 174.38 ECC 1.1672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 13 1840.47 -9.09 19.04 350.46 116.93 4 14 54 1240.5 -5.40 12.29
 90.00 13 54 13 4934.02 21.32 215.27 352.53 70.92 15 16 27 4334.0 18.53 207.71
 100.00 5 2 7 1589.16 -9.91 .12 350.02 118.35 5 28 37 989.2 -6.05 353.46
 100.00 15 19 0 4660.55 22.20 194.82 352.19 69.45 16 36 41 4060.6 19.20 187.30
 110.00 6 2 30 1400.13 -12.08 344.48 348.73 122.22 6 25 50 800.1 -7.74 338.08
 110.00 16 35 7 4422.35 24.52 175.68 351.14 65.40 17 48 49 3822.4 21.00 168.31

DIFFERENTIAL CORRECTIONS

TDE .2247 TRA -.2407 TC3 .9092 BAU .1432
 RDE -.2260 RRA -.0887 RC3 -.5333 FAU .14588
 FDE-1.6944 FRA -.8474 FC-12.4271 BSP 2876
 BDE .3187 BRA .2565 BC3 1.0540 FSP -2288

MID-COURSE EXECUTION ACCURACY

SGT 830.2 SGR 553.6 SG3 745.3
 RRT -.6334 RRF .8749 RTF -.7196
 SGB 997.8 R23 -.3692 R13 .8215
 SG1 919.9 SG2 386.6 THA 151.66

ORBIT DETERMINATION ACCURACY

ST 424.8 SR 409.2 SS 960.3
 CRT -.9084 CRS -.9981 CST .8943
 LSA 1112.9 MSA 176.8 SSA 19.0
 EL1 576.2 EL2 126.2 ALF 136.18

LAUNCH DATE JUN 20 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 322.432

RL 152.01 LAL -0.00 LOL 268.01 VL 26.935 GAL -3.23 AZL 92.42 MCA 142.90 SMA 130.04 ECC .17788 INC 2.4211 V1 29.308
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.884 GAP -3.26 AZP 88.07 TAL 195.22 TAP 338.12 RCA 106.91 APO 153.17 V2 35.062
 RC 75.721 GL -21.13 GP -12.56 ZAL 121.36 ZAP 56.11 ETS 8.05 ZAE 161.22 ETE 338.75 ZAC 92.74 ETC 13.41 CLP -55.16

PLANETOCENTRIC CONIC

C3 9.931 VHL 3.151 DLA -6.49 RAL 139.50 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 3.438 DPA -6.71 RAP 172.32 ECC 1.1634
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 38 15 1857.98 -9.63 20.04 350.04 116.76 4 9 13 1258.0 -5.96 13.28
 90.00 13 58 59 4907.29 20.72 213.54 351.89 70.26 15 20 46 4307.3 17.84 206.05
 100.00 4 56 30 1605.53 -10.44 1.05 349.61 118.17 5 23 16 1005.5 -6.59 354.37
 100.00 15 23 25 4634.96 21.58 193.17 351.54 68.80 16 40 40 4035.0 18.50 185.72
 110.00 5 57 41 1414.02 -12.59 345.24 348.34 122.05 6 21 15 814.0 -8.26 338.82
 110.00 16 38 44 4399.25 23.86 174.21 350.48 64.76 17 52 3 3799.2 20.26 166.92

DIFFERENTIAL CORRECTIONS

TDE .1861 TRA -.2517 TC3 .7016 BAU .1301
 RDE -.2286 RRA -.0946 RC3 -.6840 FAU .15829
 FDE -1.7629 FRA -.9261 FC-13.7995 BSP 2629
 BDE .2947 BRA .2689 BC3 .9798 FSP -2513

MID-COURSE EXECUTION ACCURACY

SGT 722.6 SGR 623.3 SG3 814.1
 RRT -.5583 RRF .9151 RTF -.6094
 SGB 954.3 R23 -.4159 R13 .8237
 SG1 845.9 SG2 441.7 THA 142.44

ORBIT DETERMINATION ACCURACY

ST 365.7 SR 419.0 SS 967.3
 CRT -.8718 CRS -.9982 CST .8547
 LSA 1100.9 MSA 180.6 SSA 18.2
 EL1 538.4 EL2 139.4 ALF 130.55

LAUNCH DATE JUN 20 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 328.913

RL 152.01 LAL -0.00 LOL 268.01 VL 26.957 GAL -3.22 AZL 92.31 MCA 146.11 SMA 130.19 ECC .17657 INC 2.3073 V1 29.308
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.912 GAP -2.75 AZP 88.08 TAL 195.35 TAP 341.46 RCA 107.20 APO 153.18 V2 35.075
 RC 77.874 GL -20.37 GP -14.17 ZAL 121.77 ZAP 61.27 ETS 7.51 ZAE 163.35 ETE 328.16 ZAC 94.93 ETC 13.00 CLP -60.28

PLANETOCENTRIC CONIC

C3 9.695 VHL 3.114 DLA -5.69 RAL 139.52 RAD 6567.3 VEL 11.449 PTH 1.99 VHP 3.308 DPA -7.43 RAP 169.95 ECC 1.1595
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 32 13 1878.55 -10.25 21.23 349.80 116.54 4 3 32 1278.5 -6.61 14.44
 90.00 14 5 12 4877.19 20.02 211.62 351.39 69.54 15 26 29 4277.2 17.05 204.19
 100.00 4 50 52 1624.83 -11.06 2.15 349.38 117.95 5 17 57 1024.8 -7.23 355.45
 100.00 15 29 14 4606.14 20.86 191.33 351.04 68.09 16 46 0 4006.1 17.70 183.96
 110.00 5 52 57 1430.48 -13.18 346.15 348.13 121.83 6 16 47 830.5 -8.88 339.69
 110.00 16 43 39 4373.26 23.10 172.58 349.97 64.07 17 56 32 3773.3 19.42 165.37

DIFFERENTIAL CORRECTIONS

TDE .1449 TRA -.2671 TC3 .4420 BAU .1256
 RDE -.2313 RRA -.1009 RC3 -.8626 FAU .16974
 FDE -1.7979 FRA -.9825 FC-15.1578 BSP 2482
 BDE .2729 BRA .2855 BC3 .9692 FSP -2725

MID-COURSE EXECUTION ACCURACY

SGT 625.2 SGR 710.2 SG3 878.3
 RRT -.3810 RRF .9442 RTF -.4064
 SGB 946.2 R23 -.3571 R13 .8755
 SG1 791.2 SG2 518.9 THA 125.72

ORBIT DETERMINATION ACCURACY

ST 305.2 SR 429.5 SS 961.7
 CRT -.8035 CRS -.9984 CST .7827
 LSA 1080.8 MSA 184.2 SSA 17.6
 EL1 503.6 EL2 155.0 ALF 123.28

LAUNCH DATE JUN 20 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 335.372

RL 152.01 LAL -0.00 LOL 268.01 VL 26.974 GAL -3.21 AZL 92.17 MCA 149.33 SMA 130.30 ECC .17552 INC 2.1725 V1 29.308
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.936 GAP -2.27 AZP 88.13 TAL 195.39 TAP 344.71 RCA 107.43 APO 153.17 V2 35.088
 RC 80.046 GL -19.40 GP -16.04 ZAL 122.10 ZAP 66.64 ETS 6.81 ZAE 164.79 ETE 313.63 ZAC 97.36 ETC 12.43 CLP -65.63

PLANETOCENTRIC CONIC

C3 9.449 VHL 3.074 DLA -4.74 RAL 139.73 RAD 6567.3 VEL 11.438 PTH 1.98 VHP 3.208 DPA -8.30 RAP 167.28 ECC 1.1555
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 25 52 1903.38 -11.01 22.66 349.74 116.26 3 57 35 1303.4 -7.39 15.85
 90.00 14 13 14 4842.28 19.17 209.40 351.05 68.75 15 33 56 4242.3 16.11 202.06
 100.00 4 44 58 1648.18 -11.80 3.49 349.33 117.67 5 12 26 1048.2 -8.00 356.75
 100.00 15 36 48 4572.72 19.99 189.23 350.70 67.30 16 53 1 3972.7 16.75 181.94
 110.00 5 48 6 1450.53 -13.90 347.26 348.11 121.55 6 12 17 850.5 -9.62 340.77
 110.00 16 50 10 4343.14 22.19 170.72 349.62 63.30 18 2 33 3743.1 18.42 163.60

DIFFERENTIAL CORRECTIONS

TDE .1038 TRA -.2850 TC3 .1330 BAU .1370
 RDE -.2337 RRA -.1073 RC3 -1.0767 FAU .17979
 FDE -1.7915 FRA -1.0123 FC-16.4720 BSP 2566
 BDE .2557 BRA .3046 BC3 1.0849 FSP -2927

MID-COURSE EXECUTION ACCURACY

SGT 572.9 SGR 817.4 SG3 935.7
 RRT -.0670 RRF .9644 RTF -.0749
 SGB 998.2 R23 -.0510 R13 .9631
 SG1 819.2 SG2 570.4 THA 95.23

ORBIT DETERMINATION ACCURACY

ST 251.0 SR 440.2 SS 942.5
 CRT -.6759 CRS -.9985 CST .6511
 LSA 1053.4 MSA 187.6 SSA 16.9
 EL1 477.1 EL2 170.7 ALF 114.39

LAUNCH DATE JUN 20 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 341.810

RL 152.01 LAL -0.00 LOL 268.01 VL 26.985 GAL -3.18 AZL 92.01 MCA 152.54 SMA 130.38 ECC .17470 INC 2.0094 V1 29.308
 RP 107.96 LAP -.93 LOP 60.56 VP 37.956 GAP -1.79 AZP 88.22 TAL 195.34 TAP 347.89 RCA 107.61 APO 153.16 V2 35.101
 RC 82.236 GL -18.16 GP -18.20 ZAL 122.34 ZAP 72.14 ETS 5.90 ZAE 164.94 ETE 296.03 ZAC 99.98 ETC 11.63 CLP -71.16

PLANETOCENTRIC CONIC

C3 9.189 VHL 3.031 DLA -3.58 RAL 140.15 RAD 6567.3 VEL 11.427 PTH 1.98 VHP 3.142 DPA -9.40 RAP 164.36 ECC 1.1512
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 18 47 1934.37 -11.93 24.47 349.90 115.87 3 51 1 1334.4 -8.36 17.61
 90.00 14 23 40 4800.42 18.12 206.78 350.87 67.86 15 43 40 4200.4 14.95 199.53
 100.00 4 38 27 1677.37 -12.71 5.17 349.50 117.28 5 6 24 1077.4 -8.96 358.39
 100.00 15 46 41 4532.66 18.92 186.73 350.51 66.42 17 2 13 3932.7 15.57 179.54
 110.00 5 42 51 1475.74 -14.79 348.67 348.31 121.17 6 7 27 875.7 -10.55 342.13
 110.00 16 58 45 4307.06 21.07 168.51 349.42 62.44 18 10 32 3707.1 17.21 161.51

DIFFERENTIAL CORRECTIONS

TDE .0628 TRA -.3059 TC3 -.2376 BAU .1657
 RDE -.2334 RRA -.1120 RC3 -1.3274 FAU .18664
 FDE -1.7126 FRA -.9909 FC-17.5841 BSP 2906
 BDE .2417 BRA .3258 BC3 1.3485 FSP -3062

MID-COURSE EXECUTION ACCURACY

SGT 608.7 SGR 942.0 SG3 976.2
 RRT .3251 RRF .9777 RTF .3255
 SGB 1121.5 R23 .1698 R13 .9629
 SG1 973.4 SG2 557.0 THA 72.10

ORBIT DETERMINATION ACCURACY

ST 210.6 SR 446.4 SS 896.0
 CRT -.4388 CRS -.9987 CST .4104
 LSA 1004.8 MSA 191.1 SSA 16.3
 EL1 457.8 EL2 184.5 ALF 104.01

LAUNCH DATE JUN 20 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 348.225

RL 152.01 LAL -.00 LOL 268.01 VL 26.993 GAL -3.14 AZL 91.81 HCA 155.76 SMA 130.43 ECC .17408 INC 1.8067 V1 29.308
 RP 107.92 LAP -.74 LOP 63.78 VP 37.972 GAP -1.33 AZP 88.35 TAL 195.22 TAP 350.99 RCA 107.73 APO 153.14 V2 35.113
 RC 84.440 GL -16.54 GP -20.75 ZAL 122.51 ZAP 77.68 ETS 4.71 ZAE 163.40 ETE 278.79 ZAC 102.72 ETC 10.56 CLP -76.81

PLANETOCENTRIC CONIC

C3 8.910 VHL 2.985 DLA -2.09 RAL 140.81 RAD 6567.3 VEL 11.415 PTH 1.98 VHP 3.112 DPA -10.83 RAP 161.19 ECC 1.1466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 21 1974.63 -13.12 26.83 350.32 115.32 3 43 15 1374.6 -9.60 19.92
 90.00 14 37 23 4748.25 16.75 203.57 350.87 66.83 15 56 31 4148.3 13.47 196.42
 100.00 4 30 43 1715.38 -13.89 7.38 349.93 116.74 4 59 18 1115.4 -10.19 .54
 100.00 15 59 42 4482.74 17.53 183.68 350.51 65.40 17 14 25 3882.7 14.07 176.60
 110.00 5 36 44 1508.74 -15.94 350.53 348.77 120.64 6 1 52 908.7 -11.76 343.92
 110.00 17 10 11 4262.15 19.63 165.82 349.40 61.44 18 21 13 3662.1 15.66 158.95

DIFFERENTIAL CORRECTIONS

TOE .0272 TRA -.3260 TC3 -.6646 BAU .2093
 RDE -.2288 RRA -.1143 RC3 -1.6271 FAU .18983
 FDE -1.5550 FRA -.9198 FC-18.4451 BSP 3537
 BDE .2304 BRA .3455 BC3 1.7575 FSP -3139

MID-COURSE EXECUTION ACCURACY

SGT 743.2 SGR 1088.3 SG3 997.5
 RRT .6180 RRF .9864 RTF .6200
 SGB 1317.9 R23 .2173 R13 .9623
 SG1 1208.2 SG2 .526.3 THA 61.15

ORBIT DETERMINATION ACCURACY

ST 195.4 SR 445.0 SS 820.0
 CRT -.1178 CRS -.9987 CST .0881
 LSA 933.0 MSA 194.8 SSA 16.0
 EL1 445.8 EL2 193.7 ALF 93.65

LAUNCH DATE JUN 20 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 354.619

RL 152.01 LAL -.00 LOL 268.01 VL 26.996 GAL -3.10 AZL 91.55 HCA 158.98 SMA 130.45 ECC .17365 INC 1.5458 V1 29.308
 RP 107.89 LAP -.55 LOP 67.00 VP 37.986 GAP -.89 AZP 88.56 TAL 195.03 TAP 354.01 RCA 107.80 APO 153.11 V2 35.125
 RC 86.655 GL -14.35 GP -23.83 ZAL 122.63 ZAP 83.15 ETS 3.16 ZAE 160.19 ETE 265.20 ZAC 105.50 ETC 9.11 CLP -82.50

PLANETOCENTRIC CONIC

C3 8.608 VHL 2.934 DLA -.11 RAL 141.78 RAD 6567.3 VEL 11.402 PTH 1.97 VHP 3.126 DPA -12.76 RAP 157.81 ECC 1.1417
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 31 2029.48 -14.69 30.09 351.09 114.48 3 33 21 1429.5 -11.26 23.09
 90.00 14 55 57 4680.24 14.88 199.45 351.12 65.63 16 13 57 4080.2 11.47 192.43
 100.00 4 20 49 1767.26 -15.46 10.43 350.72 115.91 4 50 16 1167.3 -11.85 3.50
 100.00 16 17 20 4417.70 15.65 179.77 350.75 64.20 17 30 58 3817.7 12.05 172.82
 110.00 5 28 56 1554.01 -17.50 353.12 349.60 119.84 5 54 50 954.0 -13.40 346.41
 110.00 17 25 42 4203.72 17.69 162.40 349.63 60.26 18 35 45 3603.7 13.60 155.68

DIFFERENTIAL CORRECTIONS

TOE .0028 TRA -.3418 TC3 -1.1471 BAU .2644
 RDE -.2166 RRA -.1128 RC3 -1.9909 FAU .18849
 FDE -1.3087 FRA -.7981 FC-18.9577 BSP 4406
 BDE .2166 BRA .3600 BC3 2.2977 FSP -3146

MID-COURSE EXECUTION ACCURACY

SGT 948.0 SGR 1261.8 SG3 995.3
 RRT .7783 RRF .9920 RTF .7796
 SGB 1578.3 R23 .2135 R13 .9688
 SG1 1496.3 SG2 502.0 THA 55.21

ORBIT DETERMINATION ACCURACY

ST 201.4 SR 429.6 SS 707.6
 CRT .1345 CRS -.9986 CST -.1639
 LSA 828.2 MSA 199.1 SSA 16.0
 EL1 430.6 EL2 199.0 ALF 85.41

LAUNCH DATE JUN 20 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 360.991

RL 152.01 LAL -.00 LOL 268.01 VL 26.995 GAL -3.04 AZL 91.20 HCA 162.21 SMA 130.45 ECC .17339 INC 1.1948 V1 29.308
 RP 107.85 LAP -.37 LOP 70.21 VP 37.996 GAP -.45 AZP 88.86 TAL 194.75 TAP 356.96 RCA 107.83 APO 153.06 V2 35.137
 RC 88.880 GL -11.27 GP -27.65 ZAL 122.67 ZAP 88.38 ETS 1.13 ZAE 155.54 ETE 256.00 ZAC 108.21 ETC 7.16 CLP -88.17

PLANETOCENTRIC CONIC

C3 8.285 VHL 2.878 DLA 2.68 RAL 143.17 RAD 6567.3 VEL 11.388 PTH 1.97 VHP 3.196 DPA -15.42 RAP 154.19 ECC 1.1364
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 44 23 2108.71 -16.87 34.89 352.43 113.09 3 19 32 1508.7 -13.60 27.74
 90.00 15 22 9 4586.65 12.18 193.90 351.76 64.24 16 38 36 3986.7 8.61 187.04
 100.00 4 6 59 1842.31 -17.64 14.94 352.07 114.53 4 37 41 1242.3 -14.18 7.86
 100.00 16 42 15 4328.28 12.93 174.52 351.37 62.81 17 54 23 3728.3 9.18 167.73
 110.00 5 18 5 1619.75 -19.68 356.97 351.00 118.53 5 45 5 1019.7 -15.72 350.09
 110.00 17 47 38 4123.61 14.93 157.84 350.23 58.88 18 56 21 3523.6 10.69 151.29

DIFFERENTIAL CORRECTIONS

TOE -.0023 TRA -.3493 TC3 -1.6886 BAU .3276
 RDE -.1878 RRA -.1027 RC3 -2.4277 FAU .18063
 FDE -.9409 FRA -.6070 FC-18.8736 BSP 5433
 BDE .1879 BRA .3641 BC3 2.9572 FSP -3033

MID-COURSE EXECUTION ACCURACY

SGT 1195.6 SGR 1461.2 SG3 958.3
 RRT .8602 RRF .9955 RTF .8606
 SGB 1888.0 R23 .1985 R13 .9755
 SG1 1823.7 SG2 488.5 THA 51.60

ORBIT DETERMINATION ACCURACY

ST 210.9 SR 381.2 SS 534.4
 CRT .1961 CRS -.9979 CST -.2300
 LSA 657.9 MSA 205.5 SSA 17.2
 EL1 384.4 EL2 205.1 ALF 81.32

LAUNCH DATE JUN 20 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 367.342

RL 152.01 LAL -.00 LOL 268.01 VL 26.990 GAL -2.97 AZL 90.70 HCA 165.43 SMA 130.42 ECC .17329 INC .6941 V1 29.308
 RP 107.82 LAP -.17 LOP 73.44 VP 38.003 GAP -.02 AZP 89.33 TAL 194.41 TAP 359.84 RCA 107.82 APO 153.02 V2 35.149
 RC 91.113 GL -6.65 GP -32.58 ZAL 122.59 ZAP 93.17 ETS 358.43 ZAE 149.52 ETE 250.38 ZAC 110.71 ETC 4.47 CLP -93.76

PLANETOCENTRIC CONIC

C3 7.968 VHL 2.823 DLA 6.86 RAL 145.20 RAD 6567.3 VEL 11.374 PTH 1.96 VHP 3.345 DPA -19.18 RAP 150.21 ECC 1.1311
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 20 55 2232.59 -20.00 42.62 354.80 110.47 2 58 8 1632.6 -17.04 35.20
 90.00 16 1 52 4448.25 7.96 185.92 353.15 62.74 17 16 0 3848.2 4.25 179.21
 100.00 3 45 32 1959.67 -20.79 22.22 354.47 111.97 4 18 12 1359.7 -17.63 14.86
 100.00 17 19 56 4196.40 8.71 167.00 352.75 61.29 18 29 52 3596.4 4.82 160.38
 110.00 5 1 16 1722.66 -22.90 3.22 353.46 116.10 5 29 59 1122.7 -19.20 356.03
 110.00 18 20 41 4006.17 10.70 151.37 351.55 57.34 19 27 27 3406.2 6.32 145.02

DIFFERENTIAL CORRECTIONS

TOE .0277 TRA -.3411 TC3 -2.2807 BAU .3989
 RDE -.1308 RRA -.0802 RC3 -2.9700 FAU .16594
 FDE -.4606 FRA -.3644 FC-18.0301 BSP 6646
 BDE .1337 BRA .3504 BC3 3.7447 FSP -2817

MID-COURSE EXECUTION ACCURACY

SGT 1465.3 SGR 1705.5 SG3 885.5
 RRT .9036 RRF .9976 RTF .9038
 SGB 2248.5 R23 .1788 R13 .9815
 SG1 2195.0 SG2 487.7 THA 49.78

ORBIT DETERMINATION ACCURACY

ST 220.0 SR 274.7 SS 291.5
 CRT -.0448 CRS -.9912 CST -.0268
 LSA 399.7 MSA 220.5 SSA 22.4
 EL1 275.2 EL2 219.4 ALF 95.66

LAUNCH DATE JUN 20 1967

FLIGHT TIME 134.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 373.670

RL 152.01 LAL -.00 LOL 268.01 VL 26.982 GAL -2.88 AZL 89.92 HCA 168.65 SMA 130.36 ECC .17334 INC .0564 V1 29.308
 RP 107.78 LAP .02 LOP 76.66 VP 38.008 GAP .39 AZP 90.08 TAL 193.99 TAP 2.64 RCA 107.76 APO 152.96 V2 35.160
 RC 93.352 GL .80 GP -39.30 ZAL 122.11 ZAP 97.14 ETS 354.77 ZAE 141.83 ETE 247.39 ZAC 112.78 ETC .69 CLP -99.25

PLANETOCENTRIC CONIC

C3 7.763 VHL 2.786 DLA 13.64 RAL 148.42 RAD 6567.3 VEL 11.365 PTH 1.96 VHP 3.637 DPA -24.64 RAP 145.56 ECC 1.1278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 24 2451.58 -24.52 57.07 359.51 104.62 2 19 16 1851.6 -22.28 49.12
 90.00 17 10 1 4219.69 .67 173.08 356.44 61.69 18 20 21 3619.7 -3.12 166.45
 100.00 3 6 55 2166.13 -25.43 35.80 359.23 106.27 3 43 1 1566.1 -22.95 27.88
 100.00 18 24 11 3980.38 1.49 155.03 355.99 60.14 19 30 32 3380.4 -2.49 148.51
 110.00 4 31 16 1902.22 -27.78 14.88 358.35 110.77 5 2 58 1302.2 -24.70 7.06
 110.00 19 16 20 3817.06 3.60 141.32 354.67 55.98 20 19 57 3217.1 -.89 135.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1272 TRA -.3019 TC3-2.8729 BAU .4755 SGT 1743.5 SGR 1989.4 SG3 757.4 ST 327.9 SR 63.6 SS 134.7
 RDE -.0070 RRA -.0264 RC3-3.5686 FAU .14094 RRT .9271 RRF .9988 RTF .9276 CRT .1097 CRS -.4145 CST -.7596
 FDE .1640 FRA -.0484 FC-15.7175 BSP 7921 SGB 2645.3 R23 .1605 R13 .9859 LSA 344.7 MSA 92.2 SSA 49.1
 BDE .1274 BRA .3031 BC3 4.5813 FSP -2401 SG1 2597.5 SG2 500.6 THA 49.06 EL1 328.0 EL2 63.2 ALF 1.27

LAUNCH DATE JUN 20 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 379.974

RL 152.01 LAL -.00 LOL 268.01 VL 26.972 GAL -2.79 AZL 88.53 HCA 171.88 SMA 130.29 ECC .17353 INC 1.4648 V1 29.308
 RP 107.75 LAP .21 LOP 79.88 VP 38.010 GAP .79 AZP 91.45 TAL 193.50 TAP 5.38 RCA 107.68 APO 152.90 V2 35.170
 RC 95.596 GL 13.95 GP -48.94 ZAL 120.13 ZAP 99.64 ETS 349.70 ZAE 131.59 ETE 246.12 ZAC 113.95 ETC 355.18 CLP -104.77

PLANETOCENTRIC CONIC

C3 8.190 VHL 2.862 DLA 25.61 RAL 154.31 RAD 6567.3 VEL 11.383 PTH 1.97 VHP 4.253 DPA -32.79 RAP 139.39 ECC 1.1348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 34 11 2988.19 -28.05 95.57 10.09 85.93 24 23 59 2388.2 -28.32 86.92
 90.00 19 57 20 3702.83 -15.29 143.51 6.65 65.87 20 59 3 3102.8 -18.42 136.23
 100.00 1 24 41 2644.60 -29.87 70.39 10.19 88.82 2 8 46 2044.6 -29.72 61.59
 100.00 20 53 26 3521.66 -13.64 129.39 5.84 63.14 21 52 8 2921.7 -17.13 122.34
 110.00 3 19 13 2286.26 -33.82 43.01 10.02 95.26 3 57 19 1686.3 -32.73 33.94
 110.00 21 15 24 3452.76 -10.21 122.16 3.83 57.20 22 12 56 2852.8 -14.46 115.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3818 TRA -.1984 TC3-3.2123 BAU .5577 SGT 2039.3 SGR 2332.0 SG3 568.0 ST 777.7 SR 533.5 SS 626.8
 RDE .2625 RRA .0915 RC3-3.9536 FAU .10452 RRT .9405 RRF .9994 RTF .9424 CRT .9580 CRS -.9999 CST -.9597
 FDE .8414 FRA .2846 FC-11.0485 BSP 9378 SGB 3097.8 R23 .1415 R13 .9894 LSA 1120.7 MSA 161.9 SSA 6.3
 BDE .4633 BRA .2185 BC3 5.0941 FSP -1808 SG1 3052.3 SG2 529.4 THA 49.07 EL1 934.4 EL2 127.3 ALF 34.03

LAUNCH DATE JUN 20 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 386.246

RL 152.01 LAL -.00 LOL 268.01 VL 26.958 GAL -2.68 AZL 85.35 HCA 175.09 SMA 130.19 ECC .17383 INC 4.6517 V1 29.308
 RP 107.72 LAP .40 LOP 83.11 VP 38.010 GAP 1.19 AZP 94.64 TAL 192.94 TAP 8.03 RCA 107.56 APO 152.83 V2 35.180
 RC 97.843 GL 37.66 GP -63.55 ZAL 112.80 ZAP 99.38 ETS 342.35 ZAE 116.93 ETE 244.96 ZAC 113.19 ETC 346.61 CLP -111.46

PLANETOCENTRIC CONIC

C3 12.784 VHL 3.575 DLA 46.40 RAL 168.77 RAD 6567.5 VEL 11.583 PTH 2.03 VHP 5.913 DPA -45.03 RAP 128.81 ECC 1.2104
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 51.56 18 47 36 4155.67 -34.81 189.78 37.33 57.12 19 56 52 3555.7 -38.85 181.56
 128.44 2 43 12 2714.04 -34.80 77.55 37.33 57.11 3 28 26 2114.0 -38.84 69.34
 51.56 18 47 36 4155.67 -34.81 189.78 37.33 57.12 19 56 52 3555.7 -38.85 181.56
 128.44 2 43 12 2714.04 -34.80 77.55 37.33 57.11 3 28 26 2114.0 -38.84 69.34
 51.56 18 47 36 4155.67 -34.81 189.78 37.33 57.12 19 56 52 3555.7 -38.85 181.56
 128.44 2 43 12 2714.04 -34.80 77.55 37.33 57.11 3 28 26 2114.0 -38.84 69.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1007 TRA .1055 TC3-2.3269 BAU .6219 SGT 2437.2 SGR 2630.8 SG3 315.0 ST 1766.0 SR 1448.6 SS 1075.3
 RDE .8854 RRA .4096 RC3-2.7975 FAU .05584 RRT .9459 RRF .9994 RTF .9526 CRT .9876 CRS -.9999 CST -.9893
 FDE 1.2895 FRA .5631 FC3-3.7816 BSP 10771 SGB 3586.2 R23 .1295 R13 .9913 LSA 2517.2 MSA 193.7 SSA 1.8
 BDE 1.4126 BRA .4230 BC3 3.6388 FSP -1004 SG1 3537.7 SG2 588.2 THA 47.31 EL1 2277.3 EL2 176.1 ALF 39.29

LAUNCH DATE JUN 20 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 392.422

RL 152.01 LAL -.00 LOL 268.01 VL 26.942 GAL -2.55 AZL 70.58 HCA 178.23 SMA 130.08 ECC .17421 INC 19.4220 V1 29.308
 RP 107.69 LAP .59 LOP 86.34 VP 38.008 GAP 1.55 AZP 109.42 TAL 192.25 TAP 10.48 RCA 107.42 APO 152.74 V2 35.190
 RC 100.092 GL 65.17 GP -85.31 ZAL 97.71 ZAP 94.65 ETS 297.70 ZAE 92.02 ETE 206.56 ZAC 108.88 ETC 298.53 CLP 172.67

PLANETOCENTRIC CONIC

C3 97.273 VHL 9.863 DLA 63.06 RAL 209.84 RAD 6569.9 VEL 14.786 PTH 2.67 VHP 14.748 DPA -61.06 RAP 94.95 ECC 2.6009
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 30.97 20 31 42 4770.72 -16.80 234.81 111.03 28.24 21 51 12 4170.7 -23.80 231.10
 149.03 6 26 46 3071.29 -16.79 93.70 111.01 28.24 7 17 57 2471.3 -23.79 89.99
 30.97 20 31 42 4770.72 -16.80 234.81 111.03 28.24 21 51 12 4170.7 -23.80 231.10
 149.03 6 26 46 3071.29 -16.79 93.70 111.01 28.24 7 17 57 2471.3 -23.79 89.99
 30.97 20 31 42 4770.72 -16.80 234.81 111.03 28.24 21 51 12 4170.7 -23.80 231.10
 149.03 6 26 46 3071.29 -16.79 93.70 111.01 28.24 7 17 57 2471.3 -23.79 89.99

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.2837 TRA 2.6772 TC3 -.2011 BAU .2738 SGT 3947.4 SGR 705.9 SG3 95.2 ST 2167.9 SR 450.6 SS 668.3
 RDE -.7208 RRA .4327 RC3 -.0623 FAU .00658 RRT .4144 RRF .5070 RTF .9945 CRT -.6422 CRS .5459 CST -.9928
 FDE .7374 FRA .7864 FC3 -.0586 BSP 10341 SGB 4010.0 R23 .0920 R13 .9957 LSA 2285.7 MSA 354.0 SSA .5
 BDE 3.3619 BRA 2.7120 BC3 .2105 FSP -263 SG1 3958.5 SG2 640.6 THA 4.35 EL1 2187.6 EL2 342.3 ALF 172.20

LAUNCH DATE JUN 20 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 398.977

RL 152.01 LAL -.00 LOL 268.01 VL 26.923 GAL -2.48 AZL 116.35 HCA 181.75 SMA 129.96 ECC .17502 INC26.3481 V1 29.308
 RP 107.66 LAP .78 LOP 89.57 VP 38.003 GAP 2.01 AZP 63.66 TAL 191.85 TAP 13.59 RCA 107.21 APO 152.70 V2 35.199
 RC 102.344 GL -65.82 GP 84.19 ZAL 95.66 ZAP 95.73 ETS 130.74 ZAE 86.60 ETE 220.12 ZAC 81.56 ETC 126.39 CLP 170.61

PLANETOCENTRIC CONIC

C3 171.309 VHL 13.088 DLA -52.40 RAL 130.21 RAD 6570.9 VEL 17.107 PTH 2.93 VHP 14.939 DPA 71.03 RAP 283.25 ECC 3.8193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 43.88 3 50 19 2168.05 9.07 58.82 33.14 141.84 4 26 27 1568.0 15.31 54.12
 136.12 12 32 50 604.31 9.08 294.38 33.15 141.83 12 42 54 4.3 15.32 289.69
 43.88 3 50 19 2168.05 9.07 58.82 33.14 141.84 4 26 27 1568.0 15.31 54.12
 136.12 12 32 50 604.31 9.08 294.38 33.15 141.83 12 42 54 4.3 15.32 289.69
 43.88 3 50 19 2168.05 9.07 58.82 33.14 141.84 4 26 27 1568.0 15.31 54.12
 136.12 12 32 50 604.31 9.08 294.38 33.15 141.83 12 42 54 4.3 15.32 289.69

DIFFERENTIAL CORRECTIONS

TDE-3.3455 TRA -.5919 TC3 .0028 BAU .1261
 RDE-7.0728 RRA-2.4910 RC3 .0550 FAU-.00101
 FDE-2.3353 FRA -.5805 FC3 .0051 BSP 8657
 BDE 7.8241 BRA 2.5604 BC3 .0551 FSP -218

MID-COURSE EXECUTION ACCURACY

SGT 1524.9 SGR 3577.8 SG3 95.4
 RRT .9704 RRF .9903 RTF .9945
 SGB 3889.2 R23 -.1024 R13 .9947
 SG1 3874.3 SG2 339.9 THA 67.35

ORBIT DETERMINATION ACCURACY

ST 1470.1 SR 3142.2 SS 1329.3
 CRT .9964 CRS -.9988 CST -.9994
 LSA 3713.1 MSA 120.6 SSA .5
 EL1 3467.3 EL2 112.7 ALF 64.98

LAUNCH DATE JUN 20 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 405.113

RL 152.01 LAL -.00 LOL 268.01 VL 26.903 GAL -2.33 AZL 101.33 HCA 184.89 SMA 129.81 ECC .17563 INC11.3330 V1 29.308
 RP 107.63 LAP .96 LOP 92.80 VP 37.996 GAP 2.36 AZP 78.71 TAL 191.04 TAP 15.94 RCA 107.02 APO 152.61 V2 35.208
 RC 104.596 GL -58.85 GP 61.06 ZAL 101.37 ZAP 106.41 ETS 34.75 ZAE 111.40 ETE 129.69 ZAC 90.41 ETC 33.96 CLP-125.71

PLANETOCENTRIC CONIC

C3 38.094 VHL 6.172 DLA -44.45 RAL 131.28 RAD 6568.5 VEL 12.628 PTH 2.29 VHP 6.065 DPA 67.80 RAP 199.90 ECC 1.6269
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.19 4 29 42 1747.85 23.19 32.94 15.37 129.05 4 58 50 1147.8 28.07 26.32
 125.81 12 2 1 5644.25 23.20 263.28 15.39 129.04 13 36 6 5044.2 28.08 256.66
 54.19 4 29 42 1747.85 23.19 32.94 15.37 129.05 4 58 50 1147.8 28.07 26.32
 125.81 12 2 1 5644.25 23.20 263.28 15.39 129.04 13 36 6 5044.2 28.08 256.66
 54.19 4 29 42 1747.85 23.19 32.94 15.37 129.05 4 58 50 1147.8 28.07 26.32
 125.81 12 2 1 5644.25 23.20 263.28 15.39 129.04 13 36 6 5044.2 28.08 256.66

DIFFERENTIAL CORRECTIONS

TDE-2.6068 TRA-1.4117 TC3 -.9300 BAU .5609
 RDE 2.1309 RRA .4738 RC3 .5898 FAU .04740
 FDE-3.4168 FRA -.9702 FC3-1.0772 BSP 12127
 BDE 3.3669 BRA 1.4891 BC3 1.1013 FSP -999

MID-COURSE EXECUTION ACCURACY

SGT 3247.1 SGR 2196.0 SG3 316.5
 RRT -.9471 RRF -.9969 RTF .9683
 SGB 3920.0 R23 .1502 R13 -.9884
 SG1 3875.3 SG2 590.5 THA 146.48

ORBIT DETERMINATION ACCURACY

ST 2482.1 SR 1986.9 SS 1674.1
 CRT -.9915 CRS .9997 CST -.9945
 LSA 3586.6 MSA 217.7 SSA 1.3
 EL1 3172.9 EL2 202.4 ALF 141.38

LAUNCH DATE JUN 20 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 411.307

RL 152.01 LAL -.00 LOL 268.01 VL 26.880 GAL -2.18 AZL 98.12 HCA 188.11 SMA 129.66 ECC .17641 INC 8.1235 V1 29.308
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.988 GAP 2.73 AZP 81.96 TAL 190.26 TAP 18.37 RCA 106.79 APO 152.53 V2 35.216
 RC 106.849 GL -52.17 GP 44.69 ZAL 103.78 ZAP 115.23 ETS 29.29 ZAE 124.21 ETE 134.22 ZAC 97.54 ETC 30.15 CLP-126.85

PLANETOCENTRIC CONIC

C3 23.098 VHL 4.806 DLA -38.47 RAL 135.31 RAD 6567.9 VEL 12.020 PTH 2.15 VHP 4.559 DPA 55.26 RAP 177.06 ECC 1.3801
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 62.80 5 23 11 1519.43 24.96 14.54 9.43 120.27 5 48 30 919.4 28.78 7.08
 117.20 11 40 40 5622.78 24.98 262.77 9.43 120.26 13 14 22 5022.8 28.80 255.31
 62.80 5 23 11 1519.43 24.96 14.54 9.43 120.27 5 48 30 919.4 28.78 7.08
 117.20 11 40 40 5622.78 24.98 262.77 9.43 120.26 13 14 22 5022.8 28.80 255.31
 62.80 5 23 11 1519.43 24.96 14.54 9.43 120.27 5 48 30 919.4 28.78 7.08
 117.20 11 40 40 5622.78 24.98 262.77 9.43 120.26 13 14 22 5022.8 28.80 255.31

DIFFERENTIAL CORRECTIONS

TDE-1.9964 TRA-1.1141 TC3-1.7660 BAU .6096
 RDE 1.2697 RRA .2733 RC3 .8819 FAU .08599
 FDE-4.1314 FRA-1.0676 FC3-3.2231 BSP 11933
 BDE 2.3660 BRA 1.1471 BC3 1.9739 FSP -1687

MID-COURSE EXECUTION ACCURACY

SGT 3379.9 SGR 1784.1 SG3 522.0
 RRT -.9532 RRF -.9981 RTF .9667
 SGB 3821.9 R23 .1902 R13 -.9811
 SG1 3791.5 SG2 481.1 THA 152.82

ORBIT DETERMINATION ACCURACY

ST 2434.4 SR 1519.1 SS 1949.8
 CRT -.9918 CRS .9999 CST -.9937
 LSA 3463.1 MSA 205.8 SSA 2.0
 EL1 2864.7 EL2 165.3 ALF 148.13

LAUNCH DATE JUN 20 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 417.500

RL 152.01 LAL -.00 LOL 268.01 VL 26.856 GAL -2.02 AZL 96.73 HCA 191.35 SMA 129.49 ECC .17732 INC 6.7322 V1 29.308
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.977 GAP 3.09 AZP 83.40 TAL 189.43 TAP 20.77 RCA 106.53 APO 152.46 V2 35.223
 RC 109.101 GL -47.72 GP 33.98 ZAL 104.55 ZAP 121.86 ETS 25.99 ZAE 130.89 ETE 141.67 ZAC 102.14 ETC 27.84 CLP-129.54

PLANETOCENTRIC CONIC

C3 18.084 VHL 4.252 DLA -34.77 RAL 138.47 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 4.112 DPA 45.89 RAP 168.83 ECC 1.2976
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.92 6 8 30 1364.15 24.52 1.77 7.37 115.46 6 31 14 764.2 27.74 354.03
 111.08 11 20 32 5661.15 24.53 265.61 7.38 115.45 12 54 54 5061.2 27.75 257.86
 68.92 6 8 30 1364.15 24.52 1.77 7.37 115.46 6 31 14 764.2 27.74 354.03
 111.08 11 20 32 5661.15 24.53 265.61 7.38 115.45 12 54 54 5061.2 27.75 257.86
 68.92 6 8 30 1364.15 24.52 1.77 7.37 115.46 6 31 14 764.2 27.74 354.03
 111.08 11 20 32 5661.15 24.53 265.61 7.38 115.45 12 54 54 5061.2 27.75 257.86

DIFFERENTIAL CORRECTIONS

TDE-1.7642 TRA -.9502 TC3-2.3961 BAU .6126
 RDE .8167 RRA .1350 RC3 .8249 FAU .10216
 FDE-4.1161 FRA -.8495 FC3-4.8909 BSP 11175
 BDE 1.9441 BRA .9597 BC3 2.5341 FSP -1865

MID-COURSE EXECUTION ACCURACY

SGT 3497.4 SGR 1323.7 SG3 610.9
 RRT -.9484 RRF -.9968 RTF .9636
 SGB 3739.5 R23 .2240 R13 -.9730
 SG1 3718.6 SG2 394.9 THA 160.02

ORBIT DETERMINATION ACCURACY

ST 2423.3 SR 1102.6 SS 1976.4
 CRT -.9910 CRS .9999 CST -.9929
 LSA 3309.5 MSA 203.1 SSA 2.8
 EL1 2658.9 EL2 134.3 ALF 155.66

LAUNCH DATE JUN 20 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 423.672

RL 152.01 LAL -0.00 LOL 268.01 VL 26.830 GAL -1.85 AZL 95.95 MCA 194.58 SMA 129.32 ECC .17834 INC 5.9520 V1 29.308
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.965 GAP 3.45 AZP 84.24 TAL 188.56 TAP 23.14 RCA 106.26 APO 152.38 V2 35.230
 RC 111.351 GL -44.64 GP 26.80 ZAL 104.46 ZAP 127.00 ETS 23.46 ZAE 134.06 ETE 148.71 ZAC 104.96 ETC 25.92 CLP-132.39

PLANETOCENTRIC CONIC

C3 15.660 VHL 3.957 OLA -32.43 RAL 141.13 RAD 6567.6 VEL 11.707 PTH 2.06 VHP 3.981 DPA 39.31 RAP 164.85 ECC 1.2577
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.50 6 47 28 1244.09 23.85 352.14 7.00 112.65 7 8 12 644.1 26.71 344.29
 106.50 11 2 48 5715.08 23.86 269.46 7.01 112.63 12 38 3 5115.1 26.72 261.61
 73.50 6 47 28 1244.09 23.85 352.14 7.00 112.65 7 8 12 644.1 26.71 344.29
 106.50 11 2 48 5715.08 23.86 269.46 7.01 112.63 12 38 3 5115.1 26.72 261.61
 110.00 10 2 5 614.76 17.12 302.43 3.45 120.05 10 12 19 14.8 20.98 295.43
 110.00 12 47 22 5392.40 30.97 247.34 9.76 105.25 14 17 14 4792.4 32.75 238.57

DIFFERENTIAL CORRECTIONS

TDE-1.6871 TRA -.8703 TC3-2.9869 BAU .6434
 RDE .5873 RRA .0795 RC3 .7238 FAU .11158
 FDE-3.9677 FRA -.6891 FC3-6.1682 BSP 11763
 BDE 1.7864 BRA .8739 BC3 3.0734 FSP -2080

MID-COURSE EXECUTION ACCURACY

SGT 3712.6 SGR 1034.4 SG3 659.3
 RRT -.9465 RRF -.9936 RTF .9649
 SGB 3854.0 R23 .2273 R13 -.9703
 SG1 3840.5 SG2 322.5 THA 165.12

ORBIT DETERMINATION ACCURACY

ST 2484.4 SR 851.6 SS 1980.1
 CRT -.9911 CRS .9999 CST -.9928
 LSA 3283.1 MSA 198.5 SSA 3.8
 EL1 2624.1 EL2 107.3 ALF 161.20

LAUNCH DATE JUN 20 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 429.829

RL 152.01 LAL -0.00 LOL 268.01 VL 26.802 GAL -1.66 AZL 95.45 MCA 197.82 SMA 129.13 ECC .17948 INC 5.4504 V1 29.308
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.951 GAP 3.80 AZP 84.81 TAL 187.65 TAP 25.47 RCA 105.96 APO 152.31 V2 35.236
 RC 113.598 GL -42.39 GP 21.78 ZAL 103.83 ZAP 131.17 ETS 21.47 ZAE 135.34 ETE 154.56 ZAC 106.60 ETC 24.30 CLP-135.15

PLANETOCENTRIC CONIC

C3 14.249 VHL 3.775 OLA -30.92 RAL 143.55 RAD 6567.6 VEL 11.646 PTH 2.04 VHP 3.975 DPA 34.56 RAP 162.75 ECC 1.2345
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.04 7 21 28 1146.70 23.31 344.53 7.51 110.90 7 40 35 546.7 25.95 336.63
 102.96 10 48 8 5770.26 23.33 273.41 7.51 110.89 12 24 19 5170.3 25.96 265.51
 77.04 7 21 28 1146.70 23.31 344.53 7.51 110.90 7 40 35 546.7 25.95 336.63
 102.96 10 48 8 5770.26 23.33 273.41 7.51 110.89 12 24 19 5170.3 25.96 265.51
 110.00 9 42 9 689.02 14.54 306.64 2.97 121.28 9 53 38 89.0 18.57 299.84
 110.00 13 26 38 5275.93 32.74 238.72 10.50 100.44 14 54 34 4675.9 33.83 229.66

DIFFERENTIAL CORRECTIONS

TDE-1.6534 TRA -.7961 TC3-3.4726 BAU .6708
 RDE .4459 RRA .0445 RC3 .5843 FAU .11239
 FDE-3.7080 FRA -.4871 FC3-6.8283 BSP 12179
 BDE 1.7125 BRA .7974 BC3 3.5214 FSP -2104

MID-COURSE EXECUTION ACCURACY

SGT 3893.0 SGR 811.7 SG3 663.6
 RRT -.9386 RRF -.9866 RTF .9650
 SGB 3976.7 R23 .2213 R13 -.9681
 SG1 3967.2 SG2 274.8 THA 168.87

ORBIT DETERMINATION ACCURACY

ST 2546.2 SR 677.4 SS 1935.7
 CRT -.9913 CRS .9999 CST -.9927
 LSA 3263.6 MSA 195.0 SSA 4.8
 EL1 2633.3 EL2 86.4 ALF 165.21

LAUNCH DATE JUN 20 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 435.969

RL 152.01 LAL -0.00 LOL 268.01 VL 26.773 GAL -1.47 AZL 95.10 MCA 201.07 SMA 128.94 ECC .18073 INC 5.0990 V1 29.308
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.936 GAP 4.15 AZP 85.24 TAL 186.70 TAP 27.76 RCA 105.64 APO 152.24 V2 35.241
 RC 115.842 GL -40.65 GP 18.14 ZAL 102.84 ZAP 134.72 ETS 19.88 ZAE 135.62 ETE 159.19 ZAC 107.45 ETC 22.92 CLP-137.76

PLANETOCENTRIC CONIC

C3 13.335 VHL 3.652 OLA -29.95 RAL 145.88 RAD 6567.5 VEL 11.607 PTH 2.03 VHP 4.030 DPA 30.99 RAP 161.68 ECC 1.2195
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.81 7 51 12 1067.22 22.96 338.44 8.54 109.79 8 8 59 467.2 25.44 330.52
 100.19 10 36 57 5820.70 22.97 277.03 8.55 109.77 12 13 58 5220.7 25.45 269.11
 79.81 7 51 12 1067.22 22.96 338.44 8.54 109.79 8 8 59 467.2 25.44 330.52
 100.19 10 36 57 5820.70 22.97 277.03 8.55 109.77 12 13 58 5220.7 25.45 269.11
 110.00 9 36 10 724.95 13.26 308.63 3.62 121.80 9 48 15 124.9 17.37 301.93
 110.00 13 51 10 5210.97 33.43 233.78 11.43 97.59 15 18 1 4611.0 34.12 224.61

DIFFERENTIAL CORRECTIONS

TDE-1.6477 TRA -.7257 TC3-3.8954 BAU .6991
 RDE .3561 RRA .0245 RC3 .4505 FAU .10954
 FDE-3.4399 FRA -.2946 FC3-7.1114 BSP 12652
 BDE 1.6858 BRA .7261 BC3 3.9214 FSP -2066

MID-COURSE EXECUTION ACCURACY

SGT 4062.6 SGR 650.0 SG3 648.8
 RRT -.9236 RRF -.9729 RTF .9647
 SGB 4114.3 R23 .2049 R13 -.9666
 SG1 4106.9 SG2 246.4 THA 171.56

ORBIT DETERMINATION ACCURACY

ST 2616.6 SR 559.0 SS 1880.9
 CRT -.9918 CRS .9999 CST -.9926
 LSA 3265.0 MSA 191.7 SSA 5.9
 EL1 2674.7 EL2 70.0 ALF 168.03

LAUNCH DATE JUN 20 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 442.092

RL 152.01 LAL -0.00 LOL 268.01 VL 26.743 GAL -1.27 AZL 94.84 MCA 204.31 SMA 128.74 ECC .18210 INC 4.8376 V1 29.308
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.919 GAP 4.50 AZP 85.59 TAL 185.71 TAP 30.02 RCA 105.29 APO 152.18 V2 35.246
 RC 118.080 GL -39.24 GP 15.41 ZAL 101.58 ZAP 137.81 ETS 18.59 ZAE 135.39 ETE 162.81 ZAC 107.75 ETC 21.73 CLP-140.22

PLANETOCENTRIC CONIC

C3 12.705 VHL 3.564 OLA -29.36 RAL 148.18 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 4.119 DPA 28.18 RAP 161.27 ECC 1.2091
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.92 8 16 42 1004.57 22.75 333.71 9.95 109.07 8 33 26 404.6 25.14 325.78
 98.08 10 29 49 5862.48 22.76 280.05 9.95 109.05 12 7 32 5262.5 25.15 272.11
 100.00 9 57 3 679.47 19.37 308.52 8.55 113.22 10 8 23 79.5 22.35 300.99
 100.00 11 32 9 5662.81 26.23 266.42 11.11 104.88 13 6 32 5062.8 28.01 258.07
 110.00 9 36 51 743.07 12.60 309.63 4.87 122.04 9 49 14 143.1 16.75 302.97
 110.00 14 8 50 5171.97 33.74 230.78 12.70 95.84 15 35 2 4572.0 34.18 221.56

DIFFERENTIAL CORRECTIONS

TDE-1.6601 TRA -.6548 TC3-4.2667 BAU .7269
 RDE .2974 RRA .0137 RC3 .3313 FAU .10488
 FDE-3.1937 FRA -.1214 FC3-7.1468 BSP 13123
 BDE 1.6865 BRA .6549 BC3 4.2796 FSP -1996

MID-COURSE EXECUTION ACCURACY

SGT 4222.7 SGR 533.8 SG3 625.2
 RRT -.8982 RRF -.9483 RTF .9643
 SGB 4256.3 R23 .1809 R13 -.9655
 SG1 4249.9 SG2 233.2 THA 173.50

ORBIT DETERMINATION ACCURACY

ST 2694.6 SR 478.2 SS 1827.8
 CRT -.9927 CRS .9999 CST -.9926
 LSA 3285.6 MSA 188.1 SSA 7.0
 EL1 2736.1 EL2 56.6 ALF 170.00

LAUNCH DATE JUN 20 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 448.196

RL 152.01 LAL -1.00 LOL 268.01 VL 26.712 GAL -1.05 AZL 94.63 HCA 207.55 SMA 128.53 ECC .18360 INC 4.6344 V1 29.308
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.901 GAP 4.85 AZP 85.89 TAL 184.69 TAP 32.24 RCA 104.93 APO 152.13 V2 35.250
 RC 120.312 GL -38.05 GP 13.31 ZAL 100.10 ZAP 140.57 ETS 17.54 ZAE 134.90 ETE 165.64 ZAC 107.63 ETC 20.70 CLP-142.53

PLANETOCENTRIC CONIC

C3 12.256 VHL 3.501 OLA -29.02 RAL 150.50 RAD 6567.5 VEL 11.560 PTH 2.02 VHP 4.228 DPA 25.88 RAP 161.31 ECC 1.2017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.35 8 37 23 960.21 22.67 330.41 11.65 108.62 8 53 23 360.2 25.01 322.46
 96.65 10 27 41 603.47 22.68 304.26 11.65 108.61 10 37 44 3.5 25.01 296.31
 100.00 9 53 25 713.59 18.44 310.62 9.89 113.95 10 5 18 113.6 21.52 303.18
 100.00 11 54 20 5613.37 27.05 262.97 13.02 103.24 13 27 53 5013.4 28.60 254.52
 110.00 9 41 38 750.67 12.33 310.05 6.51 122.14 9 54 8 150.7 16.49 303.41
 110.00 14 22 36 5149.05 33.89 229.00 14.28 94.80 15 48 26 4549.1 34.18 219.77

DIFFERENTIAL CORRECTIONS

TDE-1.6833 TRA -.5797 TC3-4.5925 BAU .7534
 RDE .2578 RRA .0086 RC3 .2280 FAU .09935
 FDE-2.9702 FRA .0342 FC3-7.0182 BSP 13579
 BDE 1.7029 BRA .5797 BC3 4.5982 FSP -1911

MID-COURSE EXECUTION ACCURACY

SGT 4371.1 SGR 451.4 SG3 597.2
 RRT -.8581 RRF -.9084 RTF .9639
 SGB 4394.3 R23 .1538 R13 -.9646
 SG1 4388.2 SG2 230.9 THA 174.92

ORBIT DETERMINATION ACCURACY

ST 2775.7 SR 421.9 SS 1776.5
 CRT -.9941 CRS .9997 CST -.9926
 LSA 3317.3 MSA 184.2 SSA 8.1
 EL1 2807.2 EL2 45.3 ALF 171.40

LAUNCH DATE JUN 20 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 454.282

RL 152.01 LAL -1.00 LOL 268.01 VL 26.680 GAL -.82 AZL 94.47 HCA 210.80 SMA 128.32 ECC .18521 INC 4.4711 V1 29.308
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.881 GAP 5.19 AZP 86.16 TAL 183.63 TAP 34.43 RCA 104.55 APO 152.08 V2 35.253
 RC 122.538 GL -37.01 GP 11.64 ZAL 98.44 ZAP 143.07 ETS 16.66 ZAE 134.30 ETE 167.87 ZAC 107.19 ETC 19.80 CLP-144.70

PLANETOCENTRIC CONIC

C3 11.936 VHL 3.455 OLA -28.88 RAL 152.88 RAD 6567.5 VEL 11.547 PTH 2.02 VHP 4.351 DPA 23.95 RAP 161.69 ECC 1.1964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.05 8 52 30 936.45 22.69 328.67 13.59 108.37 9 8 6 336.5 24.99 320.71
 95.95 10 31 31 616.04 22.70 305.19 13.60 108.36 10 41 47 16.0 25.00 297.23
 100.00 9 58 13 723.16 18.18 311.21 11.72 114.15 10 10 17 123.2 21.29 303.80
 100.00 12 8 29 5592.60 27.36 261.51 15.02 102.53 13 41 41 4992.6 28.81 253.01
 110.00 9 49 15 751.37 12.30 310.09 8.47 122.15 10 1 47 151.4 16.46 303.45
 110.00 14 33 56 5137.16 33.95 228.08 16.15 94.25 15 59 33 4537.2 34.17 218.84

DIFFERENTIAL CORRECTIONS

TDE-1.7160 TRA -.5004 TC3-4.8838 BAU .7796
 RDE .2310 RRA .0072 RC3 .1407 FAU .09370
 FDE-2.7731 FRA .1714 FC3-6.7965 BSP 14043
 BDE 1.7315 BRA .5004 BC3 4.8859 FSP -1823

MID-COURSE EXECUTION ACCURACY

SGT 4515.0 SGR 395.4 SG3 568.6
 RRT -.8016 RRF -.8506 RTF .9635
 SGB 4532.2 R23 .1275 R13 -.9640
 SG1 4526.1 SG2 235.9 THA 175.97

ORBIT DETERMINATION ACCURACY

ST 2861.9 SR 383.1 SS 1730.0
 CRT -.9957 CRS .9992 CST -.9927
 LSA 3361.2 MSA 180.0 SSA 9.2
 EL1 2887.2 EL2 35.3 ALF 172.41

LAUNCH DATE JUN 20 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 460.350

RL 152.01 LAL -1.00 LOL 268.01 VL 26.647 GAL -.58 AZL 94.34 HCA 214.05 SMA 128.10 ECC .18695 INC 4.3361 V1 29.308
 RP 107.49 LAP 2.43 LOP 121.98 VP 37.860 GAP 5.53 AZP 86.41 TAL 182.54 TAP 36.58 RCA 104.15 APO 152.05 V2 35.256
 RC 124.755 GL -36.06 GP 10.31 ZAL 96.63 ZAP 145.35 ETS 15.93 ZAE 133.66 ETE 169.65 ZAC 106.49 ETC 18.99 CLP-146.74

PLANETOCENTRIC CONIC

C3 11.713 VHL 3.422 OLA -28.89 RAL 155.32 RAD 6567.4 VEL 11.537 PTH 2.01 VHP 4.484 DPA 22.26 RAP 162.33 ECC 1.1928
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.04 9 2 8 932.87 22.77 328.44 15.76 108.27 9 17 41 332.9 25.06 320.46
 95.96 10 41 23 611.74 22.78 304.90 15.76 108.25 10 51 34 11.7 25.07 296.93
 100.00 10 8 4 718.92 18.30 310.95 13.91 114.06 10 20 3 118.9 21.39 303.52
 100.00 12 18 8 5588.97 27.41 261.25 17.17 102.41 13 51 17 4989.0 28.85 252.74
 110.00 9 59 3 747.30 12.45 309.86 10.68 122.09 10 11 30 147.3 16.60 303.21
 110.00 14 43 39 5133.35 33.97 227.78 18.27 94.08 16 9 12 4533.4 34.16 218.54

DIFFERENTIAL CORRECTIONS

TDE-1.7526 TRA -.4118 TC3-5.1261 BAU .8028
 RDE .2127 RRA .0080 RC3 .0656 FAU .08770
 FDE-2.5935 FRA .2995 FC3-6.4821 BSP 14436
 BDE 1.7655 BRA .4118 BC3 5.1265 FSP -1728

MID-COURSE EXECUTION ACCURACY

SGT 4641.1 SGR 359.3 SG3 538.6
 RRT -.7284 RRF -.7754 RTF .9628
 SGB 4655.0 R23 .1053 R13 -.9631
 SG1 4648.5 SG2 245.8 THA 176.76

ORBIT DETERMINATION ACCURACY

ST 2945.4 SR 356.2 SS 1684.0
 CRT -.9972 CRS .9983 CST -.9928
 LSA 3407.0 MSA 175.7 SSA 10.3
 EL1 2966.8 EL2 26.4 ALF 173.12

LAUNCH DATE JUN 20 1967

FLIGHT TIME 164.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 466.398

RL 152.01 LAL -1.00 LOL 268.01 VL 26.613 GAL -.33 AZL 94.22 HCA 217.29 SMA 127.88 ECC .18883 INC 4.2220 V1 29.308
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.838 GAP 5.88 AZP 86.64 TAL 181.42 TAP 38.71 RCA 103.73 APO 152.02 V2 35.258
 RC 126.964 GL -35.17 GP 9.21 ZAL 94.67 ZAP 147.46 ETS 15.32 ZAE 133.02 ETE 171.09 ZAC 105.59 ETC 18.27 CLP-148.66

PLANETOCENTRIC CONIC

C3 11.573 VHL 3.402 OLA -29.00 RAL 157.85 RAD 6567.4 VEL 11.531 PTH 2.01 VHP 4.624 DPA 20.75 RAP 163.19 ECC 1.1905
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.49 9 7 47 944.61 22.91 329.35 18.14 108.28 9 23 32 344.6 25.19 321.37
 96.51 10 55 52 5883.01 22.92 281.62 18.14 108.26 12 33 55 5283.0 25.20 273.64
 100.00 10 21 43 704.76 18.69 310.08 16.40 113.77 10 33 28 104.8 21.74 302.62
 100.00 12 24 37 5598.09 27.28 261.90 19.48 102.72 13 57 55 4998.1 28.76 253.41
 110.00 10 10 32 739.92 12.72 309.46 13.12 122.00 10 22 52 139.9 16.86 302.79
 110.00 14 52 17 5135.69 33.96 227.97 20.63 94.19 16 17 53 4535.7 34.16 218.73

DIFFERENTIAL CORRECTIONS

TDE-1.7973 TRA -.3187 TC3-5.3471 BAU .8273
 RDE .2011 RRA .0106 RC3 .0047 FAU .08236
 FDE-2.4380 FRA .4105 FC3-6.1614 BSP 14858
 BDE 1.8085 BRA .3189 BC3 5.3471 FSP -1641

MID-COURSE EXECUTION ACCURACY

SGT 4772.3 SGR 339.3 SG3 511.6
 RRT -.6481 RRF -.6909 RTF .9624
 SGB 4784.3 R23 .0857 R13 -.9626
 SG1 4777.4 SG2 258.1 THA 177.35

ORBIT DETERMINATION ACCURACY

ST 3034.5 SR 338.7 SS 1644.1
 CRT -.9985 CRS .9967 CST -.9930
 LSA 3463.6 MSA 171.2 SSA 11.4
 EL1 3053.3 EL2 18.7 ALF 173.64

LAUNCH DATE JUN 20 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 472.427

RL 152.01 LAL -.00 LOL 268.01 VL 26.579 GAL -.06 AZL 94.12 HCA 220.54 SMA 127.65 ECC .19085 INC 4.1237 V1 29.308
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.815 GAP 6.22 AZP 86.86 TAL 180.27 TAP 40.82 RCA 103.29 APO 152.01 V2 35.259
 RC 129.165 GL -34.30 GP 8.30 ZAL 92.60 ZAP 149.43 ETS 14.81 ZAE 132.40 ETE 172.26 ZAC 104.51 ETC 17.62 CLP-150.47

PLANETOCENTRIC CONIC

C3 11.505 VHL 3.392 DLA -29.18 RAL 160.46 RAD 6567.4 VEL 11.528 PTH 2.01 VHP 4.772 DPA 19.37 RAP 164.21 ECC 1.1893
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.65 9 11 28 965.01 23.08 330.91 20.71 108.37 9 27 33 365.0 25.37 322.92
 97.35 11 13 0 5860.14 23.09 280.00 20.71 108.36 12 50 40 5260.1 25.38 272.01
 100.00 10 38 46 682.00 19.30 308.67 19.17 113.28 10 50 8 82.0 22.29 301.15
 100.00 12 28 23 5618.38 26.97 263.33 21.93 103.41 14 2 2 5018.4 28.54 254.88
 110.00 10 23 25 730.31 13.06 308.93 15.78 121.87 10 35 35 130.3 17.18 302.24
 110.00 15 0 14 5142.84 33.92 228.52 23.20 94.51 16 25 56 4542.8 34.17 219.28

DIFFERENTIAL CORRECTIONS

TOE-1.8522 TRA -.2293 TC3-5.5470 BAU .8532
 RDE .1948 RRA .0156 RC3 -.0435 FAU .07779
 FDE-2.3137 FRA .4831 FC3-5.8539 BSP 15610
 BDE 1.8624 BRA .2298 BC3 5.5471 FSP -1633

MID-COURSE EXECUTION ACCURACY

SGT 4913.7 SGR 331.7 SG3 488.1
 RRT -.5716 RRF -.6086 RTF .9638
 SGB 4924.9 R23 .0682 R13 -.9640
 SG1 4917.4 SG2 272.0 THA 177.78

ORBIT DETERMINATION ACCURACY

ST 3133.6 SR 329.1 SS 1616.2
 CRT -.9991 CRS .9945 CST -.9935
 LSA 3537.3 MSA 163.9 SSA 12.4
 EL1 3150.8 EL2 13.6 ALF 174.01

LAUNCH DATE JUN 20 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 478.436

RL 152.01 LAL -.00 LOL 268.01 VL 26.544 GAL .21 AZL 94.04 HCA 223.79 SMA 127.42 ECC .19302 INC 4.0376 V1 29.308
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.791 GAP 6.57 AZP 87.08 TAL 179.10 TAP 42.89 RCA 102.83 APO 152.02 V2 35.259
 RC 131.355 GL -33.44 GP 7.54 ZAL 90.41 ZAP 151.26 ETS 14.38 ZAE 131.82 ETE 173.22 ZAC 103.27 ETC 17.02 CLP-152.19

PLANETOCENTRIC CONIC

C3 11.504 VHL 3.392 DLA -29.42 RAL 163.15 RAD 6567.4 VEL 11.528 PTH 2.01 VHP 4.925 DPA 18.08 RAP 165.38 ECC 1.1893
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.68 9 14 34 989.61 23.26 332.80 23.47 108.54 9 31 3 389.6 25.57 324.80
 98.32 11 31 26 5835.51 23.27 278.24 23.48 108.52 13 8 41 5235.5 25.58 270.25
 100.00 10 59 34 649.55 20.16 306.65 22.23 112.55 11 10 23 49.5 23.05 299.04
 100.00 12 29 7 5650.80 26.44 265.59 24.51 104.49 14 3 18 5050.8 28.17 257.21
 110.00 10 37 26 719.25 13.46 308.32 18.64 121.72 10 49 25 119.3 17.56 301.60
 110.00 15 7 44 5153.86 33.86 229.38 25.98 95.01 16 33 38 4553.9 34.18 220.15

DIFFERENTIAL CORRECTIONS

TOE-1.8933 TRA -.1037 TC3-5.6514 BAU .8693
 RDE .1905 RRA .0182 RC3 -.0889 FAU .07157
 FDE-2.1657 FRA .6110 FC3-5.3860 BSP 15565
 BDE 1.9029 BRA .1053 BC3 5.6521 FSP -1466

MID-COURSE EXECUTION ACCURACY

SGT 4996.6 SGR 329.3 SG3 458.3
 RRT -.4893 RRF -.5238 RTF .9609
 SGB 5007.5 R23 .0597 R13 -.9611
 SG1 4999.2 SG2 287.0 THA 178.15

ORBIT DETERMINATION ACCURACY

ST 3201.0 SR 322.0 SS 1564.8
 CRT -.9990 CRS .9910 CST -.9933
 LSA 3573.8 MSA 163.0 SSA 13.5
 EL1 3217.1 EL2 14.1 ALF 174.26

LAUNCH DATE JUN 20 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 484.424

RL 152.01 LAL -.00 LOL 268.01 VL 26.508 GAL .51 AZL 93.96 HCA 227.04 SMA 127.19 ECC .19534 INC 3.9611 V1 29.308
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.765 GAP 6.91 AZP 87.30 TAL 177.91 TAP 44.94 RCA 102.35 APO 152.04 V2 35.259
 RC 133.537 GL -32.57 GP 6.90 ZAL 88.13 ZAP 152.98 ETS 14.03 ZAE 131.27 ETE 174.02 ZAC 101.91 ETC 16.48 CLP-153.81

PLANETOCENTRIC CONIC

C3 11.569 VHL 3.401 DLA -29.69 RAL 165.94 RAD 6567.4 VEL 11.531 PTH 2.01 VHP 5.084 DPA 16.86 RAP 166.67 ECC 1.1904
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.69 9 17 59 1015.35 23.44 334.77 26.41 108.76 9 34 55 415.4 25.78 326.77
 99.31 11 50 12 5812.10 23.45 276.58 26.42 108.75 13 27 4 5212.1 25.79 268.58
 100.00 11 26 0 601.44 21.39 303.60 25.60 111.39 11 36 1 1.4 24.11 295.86
 100.00 12 24 52 5701.25 25.53 269.06 27.13 106.10 13 59 54 5101.3 27.49 260.81
 110.00 10 52 21 707.59 13.88 307.67 21.68 121.56 11 4 8 107.6 17.95 300.93
 110.00 15 15 1 5167.86 33.77 230.46 28.95 95.65 16 41 9 4567.9 34.18 221.24

DIFFERENTIAL CORRECTIONS

TOE-1.9461 TRA .0141 TC3-5.7513 BAU .8897
 RDE .1902 RRA .0230 RC3 -.1210 FAU .06692
 FDE-2.0511 FRA .6914 FC3-5.0079 BSP 15910
 BDE 1.9554 BRA .0270 BC3 5.7525 FSP -1392

MID-COURSE EXECUTION ACCURACY

SGT 5104.3 SGR 333.7 SG3 434.9
 RRT -.4267 RRF -.4563 RTF .9610
 SGB 5115.2 R23 .0495 R13 -.9610
 SG1 5106.3 SG2 301.7 THA 178.40

ORBIT DETERMINATION ACCURACY

ST 3280.4 SR 320.6 SS 1528.5
 CRT -.9981 CRS .9869 CST -.9936
 LSA 3629.7 MSA 158.3 SSA 14.5
 EL1 3295.9 EL2 19.8 ALF 174.43

LAUNCH DATE JUN 20 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 490.391

RL 152.01 LAL -.00 LOL 268.01 VL 26.472 GAL .81 AZL 93.89 HCA 230.28 SMA 126.96 ECC .19783 INC 3.8924 V1 29.308
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.739 GAP 7.26 AZP 87.51 TAL 176.69 TAP 46.97 RCA 101.84 APO 152.08 V2 35.257
 RC 135.709 GL -31.69 GP 6.34 ZAL 85.76 ZAP 154.61 ETS 13.76 ZAE 130.77 ETE 174.69 ZAC 100.44 ETC 15.99 CLP-155.36

PLANETOCENTRIC CONIC

C3 11.700 VHL 3.421 DLA -29.97 RAL 168.80 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 5.248 DPA 15.70 RAP 168.07 ECC 1.1926
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.74 9 22 7 1041.01 23.60 336.74 29.52 109.03 9 39 28 441.0 25.98 328.74
 100.26 12 8 55 5791.17 23.61 275.08 29.53 109.02 13 45 26 5191.2 25.99 267.08
 79.74 9 22 7 1041.01 23.60 336.74 29.52 109.03 9 39 28 441.0 25.98 328.74
 100.26 12 8 55 5791.17 23.61 275.08 29.53 109.02 13 45 26 5191.2 25.99 267.08
 110.00 11 7 56 695.99 14.29 307.02 24.89 121.39 11 19 32 96.0 18.34 300.25
 110.00 15 22 16 5184.19 33.65 231.72 32.10 96.39 16 48 40 4584.2 34.17 222.51

DIFFERENTIAL CORRECTIONS

TOE-2.0002 TRA .1413 TC3-5.8113 BAU .9093
 RDE .1922 RRA .0278 RC3 -.1458 FAU .06243
 FDE-1.9436 FRA .7672 FC3-4.6191 BSP 16283
 BDE 2.0094 BRA .1440 BC3 5.8131 FSP -1327

MID-COURSE EXECUTION ACCURACY

SGT 5206.2 SGR 341.3 SG3 412.4
 RRT -.3757 RRF -.4010 RTF .9607
 SGB 5217.4 R23 .0418 R13 -.9608
 SG1 5207.8 SG2 316.2 THA 178.58

ORBIT DETERMINATION ACCURACY

ST 3353.5 SR 322.4 SS 1490.4
 CRT -.9962 CRS .9821 CST -.9938
 LSA 3680.6 MSA 154.5 SSA 15.5
 EL1 3368.8 EL2 27.9 ALF 174.53

LAUNCH DATE JUN 20 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 496.336

RL 152.01 LAL -0.00 LOL 268.01 VL 26.435 GAL 1.14 AZL 93.83 HCA 233.53 SMA 126.73 ECC .20050 INC 3.8298 V1 29.308
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.711 GAP 7.62 AZP 87.72 TAL 175.46 TAP 48.99 RCA 101.32 APO 152.13 V2 35.255
 RC 137.871 GL -30.78 GP 5.87 ZAL 83.32 ZAP 156.15 ETS 13.54 ZAE 130.32 ETE 175.26 ZAC 98.88 ETC 15.53 CLP-156.84

PLANETOCENTRIC CONIC

C3 11.901 VHL 3.450 DLA -30.26 RAL 171.73 RAD 6567.5 VEL 11.545 PTH 2.02 VHP 5.417 DPA 14.57 RAP 169.55 ECC 1.1959
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.86 9 27 12 1065.68 23.74 338.63 32.79 109.34 9 44 58 465.7 26.16 330.63
 101.14 12 27 15 5773.63 23.75 273.83 32.79 109.32 14 3 28 5173.6 26.17 265.83
 78.86 9 27 12 1065.68 23.74 338.63 32.79 109.34 9 44 58 465.7 26.16 330.63
 101.14 12 27 15 5773.63 23.75 273.83 32.79 109.32 14 3 28 5173.6 26.17 265.83
 110.00 11 23 58 685.12 14.67 306.42 28.26 121.22 11 35 24 85.1 18.70 299.62
 110.00 15 29 39 5202.19 33.51 233.11 35.41 97.20 16 56 21 4602.2 34.14 223.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.0559 TRA .2771 TC3-5.8279 BAU .9276 SGT 5302.0 SGR 350.8 SG3 391.2 ST 3420.4 SR 326.8 SS 1453.0
 RDE .1964 RRA .0325 RC3 -.1636 FAU .05816 RRT -.3371 RRF -.3591 RTF .9607 CRT -.9935 CRS .9766 CST -.9940
 FDE-1.8459 FRA .8352 FC3-4.2311 BSP 16627 SGB 5313.6 R23 .0361 R13 -.9607 LSA 3727.5 MSA 151.0 SSA 16.3
 BDE 2.0653 BRA .2790 BC3 5.8302 FSP -1264 SG1 5303.3 SG2 330.2 THA 178.72 EL1 3435.8 EL2 36.9 ALF 174.58

LAUNCH DATE JUN 20 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 502.257

RL 152.01 LAL -0.00 LOL 268.01 VL 26.399 GAL 1.48 AZL 93.77 HCA 236.78 SMA 126.49 ECC .20335 INC 3.7723 V1 29.308
 RP 107.50 LAP 3.16 LOP 144.73 VP 37.683 GAP 7.97 AZP 87.93 TAL 174.20 TAP 50.98 RCA 100.77 APO 152.21 V2 35.253
 RC 140.023 GL -29.84 GP 5.45 ZAL 80.83 ZAP 157.61 ETS 13.40 ZAE 129.90 ETE 175.73 ZAC 97.23 ETC 15.12 CLP-158.26

PLANETOCENTRIC CONIC

C3 12.175 VHL 3.489 DLA -30.54 RAL 174.73 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 5.592 DPA 13.46 RAP 171.11 ECC 1.2004
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.07 9 33 20 1088.98 23.84 340.41 36.20 109.67 9 51 29 489.0 26.30 332.42
 101.93 12 45 2 5759.93 23.85 272.84 36.21 109.66 14 21 2 5159.9 26.31 264.85
 78.07 9 33 20 1088.98 23.84 340.41 36.20 109.67 9 51 29 489.0 26.30 332.42
 101.93 12 45 2 5759.93 23.85 272.84 36.21 109.66 14 21 2 5159.9 26.31 264.85
 110.00 11 40 14 675.65 15.01 305.89 31.77 121.08 11 51 30 75.7 19.02 299.06
 110.00 15 37 18 5221.26 33.34 234.57 38.87 98.05 17 4 19 4621.3 34.09 225.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.1107 TRA .4240 TC3-5.8056 BAU .9454 SGT 5392.6 SGR 361.2 SG3 371.5 ST 3476.4 SR 333.3 SS 1414.0
 RDE .2026 RRA .0369 RC3 -.1748 FAU .05424 RRT -.3090 RRF -.3278 RTF .9607 CRT -.9901 CRS .9706 CST -.9943
 FDE-1.7539 FRA .9002 FC3-3.8571 BSP 16938 SGB 5404.7 R23 .0313 R13 -.9608 LSA 3764.8 MSA 148.4 SSA 17.1
 BDE 2.1204 BRA .4256 BC3 5.8083 FSP -1204 SG1 5393.8 SG2 343.4 THA 178.81 EL1 3492.1 EL2 46.6 ALF 174.58

LAUNCH DATE JUN 20 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 508.154

RL 152.01 LAL -0.00 LOL 268.01 VL 26.361 GAL 1.83 AZL 93.72 HCA 240.02 SMA 126.25 ECC .20641 INC 3.7189 V1 29.308
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.654 GAP 8.34 AZP 88.14 TAL 172.93 TAP 52.95 RCA 100.19 APO 152.31 V2 35.249
 RC 142.165 GL -28.87 GP 5.09 ZAL 78.29 ZAP 159.01 ETS 13.31 ZAE 129.51 ETE 176.14 ZAC 95.50 ETC 14.74 CLP-159.61

PLANETOCENTRIC CONIC

C3 12.528 VHL 3.539 DLA -30.79 RAL 177.78 RAD 6567.5 VEL 11.572 PTH 2.02 VHP 5.773 DPA 12.38 RAP 172.73 ECC 1.2062
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.38 9 40 29 1110.90 23.89 342.07 39.75 110.03 9 59 0 510.9 26.39 334.09
 102.62 13 2 11 5750.16 23.90 272.13 39.76 110.01 14 38 1 5150.2 26.40 264.15
 77.38 9 40 29 1110.90 23.89 342.07 39.75 110.03 9 59 0 510.9 26.39 334.09
 102.62 13 2 11 5750.16 23.90 272.13 39.76 110.01 14 38 1 5150.2 26.40 264.15
 110.00 11 56 29 668.24 15.27 305.47 35.40 120.96 12 7 38 68.2 19.26 298.62
 110.00 15 45 21 5240.81 33.14 236.06 42.46 98.91 17 12 42 4640.8 34.01 226.93

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.1623 TRA .5842 TC3-5.7290 BAU .9600 SGT 5469.1 SGR 371.8 SG3 352.1 ST 3517.9 SR 341.3 SS 1371.4
 RDE .2103 RRA .0407 RC3 -.1811 FAU .05029 RRT -.2890 RRF -.3054 RTF .9604 CRT -.9859 CRS .9638 CST -.9944
 FDE-1.6643 FRA .9643 FC3-3.4754 BSP 17157 SGB 5481.7 R23 .0278 R13 -.9604 LSA 3788.2 MSA 147.2 SSA 17.7
 BDE 2.1725 BRA .5856 BC3 5.7318 FSP -1140 SG1 5470.1 SG2 355.9 THA 178.87 EL1 3533.9 EL2 56.8 ALF 174.53

LAUNCH DATE JUN 20 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 514.024

RL 152.01 LAL -0.00 LOL 268.01 VL 26.324 GAL 2.20 AZL 93.67 HCA 243.27 SMA 126.02 ECC .20967 INC 3.6689 V1 29.308
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.623 GAP 8.71 AZP 88.35 TAL 171.65 TAP 54.91 RCA 99.60 APO 152.44 V2 35.245
 RC 144.295 GL -27.87 GP 4.77 ZAL 75.73 ZAP 160.35 ETS 13.29 ZAE 129.17 ETE 176.49 ZAC 93.71 ETC 14.39 CLP-160.92

PLANETOCENTRIC CONIC

C3 12.966 VHL 3.601 DLA -31.01 RAL 180.86 RAD 6567.5 VEL 11.591 PTH 2.03 VHP 5.960 DPA 11.31 RAP 174.41 ECC 1.2134
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.81 9 48 42 1131.15 23.87 343.59 43.41 110.39 10 7 34 531.2 26.43 335.63
 103.19 13 18 34 5744.64 23.88 271.71 43.42 110.38 14 54 18 5144.6 26.44 263.75
 76.81 9 48 42 1131.15 23.87 343.59 43.41 110.39 10 7 34 531.2 26.43 335.63
 103.19 13 18 34 5744.64 23.88 271.71 43.42 110.38 14 54 18 5144.6 26.44 263.75
 110.00 12 12 28 663.55 15.43 305.20 39.12 120.89 12 23 32 63.5 19.41 298.35
 110.00 15 53 58 5260.25 32.92 237.54 46.18 99.76 17 21 39 4660.2 33.92 228.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2166 TRA .7504 TC3-5.6269 BAU .9759 SGT 5550.0 SGR 382.5 SG3 334.6 ST 3553.8 SR 350.8 SS 1331.4
 RDE .2199 RRA .0441 RC3 -.1819 FAU .04680 RRT -.2777 RRF -.2922 RTF .9606 CRT -.9814 CRS .9572 CST -.9946
 FDE-1.5848 FRA 1.0190 FC3-3.1247 BSP 17463 SGB 5563.1 R23 .0253 R13 -.9606 LSA 3808.4 MSA 146.4 SSA 18.2
 BDE 2.2275 BRA .7517 BC3 5.6298 FSP -1089 SG1 5551.0 SG2 367.4 THA 178.90 EL1 3570.4 EL2 67.1 ALF 174.47

LAUNCH DATE JUN 20 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 519.866

RL 152.01 LAL -.00 LOL 268.01 VL 26.287 GAL 2.59 AZL 93.62 HCA 246.51 SMA 125.78 ECC .21317 INC 3.6217 V1 29.308
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.593 GAP 9.08 AZP 88.56 TAL 170.35 TAP 56.86 RCA 98.97 APO 152.60 V2 35.240
 RC 146.414 GL -26.84 GP 4.49 ZAL 73.15 ZAP 161.63 ETS 13.34 ZAE 128.85 ETE 176.78 ZAC 91.86 ETC 14.07 CLP-162.17

PLANETOCENTRIC CONIC

C3 13.498 VHL 3.674 DLA -31.18 RAL 183.96 RAD 6567.5 VEL 11.614 PTH 2.04 VHP 6.154 DPA 10.25 RAP 176.14 ECC 1.2221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.36 9 57 54 1149.90 23.80 344.97 47.18 110.77 10 17 4 549.9 26.41 337.03
 103.64 13 34 7 5743.31 23.81 271.57 47.18 110.76 15 9 51 5143.3 26.41 263.64
 76.36 9 57 54 1149.90 23.80 344.97 47.18 110.77 10 17 4 549.9 26.41 337.03
 103.64 13 34 7 5743.31 23.81 271.57 47.18 110.76 15 9 51 5143.3 26.41 263.64
 110.00 12 27 56 662.16 15.48 305.13 42.91 120.86 12 38 58 62.2 19.46 298.26
 110.00 16 3 15 5279.05 32.70 238.96 50.01 100.57 17 31 14 4679.0 33.81 229.90

DIFFERENTIAL CORRECTIONS

TDE-2.2683 TRA .9285 TC3-5.4856 BAU .9904
 RDE .2310 RRA .0467 RC3 -.1786 FAU .04348
 FDE-1.5082 FRA 1.0719 FC3-2.7884 BSP 17732
 BDE 2.2800 BRA .9296 BC3 5.4885 FSP -1040

MID-COURSE EXECUTION ACCURACY

SGT 5623.6 SGR 392.7 SG3 318.0
 RRT -.2721 RRF -.2849 RTF .9607
 SGB 5637.3 R23 .0232 R13 -.9607
 SG1 5624.6 SG2 377.8 THA 178.91

ORBIT DETERMINATION ACCURACY

ST 3575.7 SR 361.1 SS 1289.2
 CRT -.9763 CRS .9501 CST -.9948
 LSA 3815.2 MSA 147.0 SSA 18.5
 EL1 3593.0 EL2 77.7 ALF 174.37

LAUNCH DATE JUN 20 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 525.679

RL 152.01 LAL -.00 LOL 268.01 VL 26.249 GAL 3.00 AZL 93.58 HCA 249.76 SMA 125.55 ECC .21692 INC 3.5767 V1 29.308
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.561 GAP 9.47 AZP 88.76 TAL 169.04 TAP 58.79 RCA 98.31 APO 152.78 V2 35.234
 RC 148.521 GL -25.78 GP 4.24 ZAL 70.58 ZAP 162.87 ETS 13.46 ZAE 128.55 ETE 177.03 ZAC 89.97 ETC 13.79 CLP-163.39

PLANETOCENTRIC CONIC

C3 14.134 VHL 3.759 DLA -31.31 RAL 187.07 RAD 6567.6 VEL 11.641 PTH 2.04 VHP 6.355 DPA 9.20 RAP 177.91 ECC 1.2326
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.04 10 8 0 1167.18 23.64 346.21 51.02 111.15 10 27 27 567.2 26.31 338.30
 103.96 13 48 48 5746.19 23.66 271.73 51.03 111.14 15 24 34 5146.2 26.32 263.82
 76.04 10 8 0 1167.18 23.64 346.21 51.02 111.15 10 27 27 567.2 26.31 338.30
 103.96 13 48 48 5746.19 23.66 271.73 51.03 111.14 15 24 34 5146.2 26.32 263.82
 110.00 12 42 40 664.63 15.39 305.27 46.75 120.90 12 53 44 64.6 19.38 298.41
 110.00 16 13 18 5296.73 32.47 240.29 53.93 101.32 17 41 35 4696.7 33.69 231.26

DIFFERENTIAL CORRECTIONS

TDE-2.3175 TRA 1.1176 TC3-5.3101 BAU 1.0039
 RDE .2434 RRA .0486 RC3 -.1719 FAU .04033
 FDE-1.4351 FRA 1.1214 FC3-2.4701 BSP 17989
 BDE 2.3302 BRA 1.1186 BC3 5.3129 FSP -993

MID-COURSE EXECUTION ACCURACY

SGT 5691.2 SGR 402.3 SG3 302.2
 RRT -.2713 RRF -.2827 RTF .9609
 SGB 5705.4 R23 .0216 R13 -.9609
 SG1 5692.3 SG2 387.1 THA 178.90

ORBIT DETERMINATION ACCURACY

ST 3584.2 SR 371.9 SS 1245.7
 CRT -.9709 CRS .9429 CST -.9950
 LSA 3809.7 MSA 148.7 SSA 18.6
 EL1 3602.3 EL2 88.6 ALF 174.24

LAUNCH DATE JUN 20 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 531.460

RL 152.01 LAL -.00 LOL 268.01 VL 26.211 GAL 3.43 AZL 93.53 HCA 253.00 SMA 125.31 ECC .22094 INC 3.5336 V1 29.308
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.529 GAP 9.87 AZP 88.97 TAL 167.72 TAP 60.72 RCA 97.63 APO 153.00 V2 35.228
 RC 150.615 GL -24.71 GP 4.02 ZAL 68.01 ZAP 164.06 ETS 13.66 ZAE 128.29 ETE 177.25 ZAC 88.02 ETC 13.53 CLP-164.56

PLANETOCENTRIC CONIC

C3 14.884 VHL 3.858 DLA -31.39 RAL 190.16 RAD 6567.6 VEL 11.673 PTH 2.05 VHP 6.564 DPA 8.15 RAP 179.72 ECC 1.2449
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.85 10 18 58 1182.93 23.42 347.30 54.93 111.53 10 38 41 582.9 26.13 339.43
 104.15 14 2 29 5753.38 23.43 272.18 54.93 111.52 15 38 22 5153.4 26.14 264.30
 75.85 10 18 58 1182.93 23.42 347.30 54.93 111.53 10 38 41 582.9 26.13 339.43
 104.15 14 2 29 5753.38 23.43 272.18 54.93 111.52 15 38 22 5153.4 26.14 264.30
 110.00 12 56 27 671.36 15.16 305.64 50.62 121.01 13 7 38 71.4 19.16 298.81
 110.00 16 24 10 5312.95 32.25 241.50 57.93 102.01 17 52 43 4712.9 33.56 232.51

DIFFERENTIAL CORRECTIONS

TDE-2.3604 TRA 1.3225 TC3-5.0938 BAU 1.0141
 RDE .2571 RRA .0494 RC3 -.1628 FAU .03720
 FDE-1.3625 FRA 1.1721 FC3-2.1637 BSP 18133
 BDE 2.3743 BRA 1.3234 BC3 5.0964 FSP -942

MID-COURSE EXECUTION ACCURACY

SGT 5747.2 SGR 411.1 SG3 287.1
 RRT -.2738 RRF -.2837 RTF .9608
 SGB 5761.9 R23 .0202 R13 -.9608
 SG1 5748.3 SG2 395.3 THA 178.87

ORBIT DETERMINATION ACCURACY

ST 3574.7 SR 382.7 SS 1199.3
 CRT -.9650 CRS .9350 CST -.9950
 LSA 3786.8 MSA 152.2 SSA 18.5
 EL1 3593.8 EL2 99.8 ALF 174.10

LAUNCH DATE JUN 20 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 537.205

RL 152.01 LAL -.00 LOL 268.01 VL 26.174 GAL 3.88 AZL 93.49 HCA 256.24 SMA 125.08 ECC .22525 INC 3.4920 V1 29.308
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.496 GAP 10.27 AZP 89.17 TAL 166.39 TAP 62.63 RCA 96.90 APO 153.25 V2 35.221
 RC 152.696 GL -23.62 GP 3.82 ZAL 65.47 ZAP 165.21 ETS 13.95 ZAE 128.04 ETE 177.44 ZAC 86.04 ETC 13.30 CLP-165.71

PLANETOCENTRIC CONIC

C3 15.762 VHL 3.970 DLA -31.42 RAL 193.22 RAD 6567.6 VEL 11.711 PTH 2.06 VHP 6.783 DPA 7.11 RAP 181.56 ECC 1.2594
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.78 10 30 42 1197.28 23.11 348.25 58.88 111.90 10 50 39 597.3 25.88 340.42
 104.22 14 15 9 5764.81 23.13 272.91 58.89 111.89 15 51 14 5164.8 25.89 265.07
 75.78 10 30 42 1197.28 23.11 348.25 58.88 111.90 10 50 39 597.3 25.88 340.42
 104.22 14 15 9 5764.81 23.13 272.91 58.89 111.89 15 51 14 5164.8 25.89 265.07
 110.00 13 9 9 682.64 14.76 306.28 54.48 121.19 13 20 32 82.6 18.78 299.47
 110.00 16 35 53 5327.44 32.04 242.58 62.01 102.62 18 4 40 4727.4 33.44 233.63

DIFFERENTIAL CORRECTIONS

TDE-2.4044 TRA 1.5351 TC3-4.8633 BAU 1.0253
 RDE .2722 RRA .0494 RC3 -.1513 FAU .03439
 FDE-1.2971 FRA 1.2170 FC3-1.8889 BSP 18363
 BDE 2.4198 BRA 1.5358 BC3 4.8657 FSP -901

MID-COURSE EXECUTION ACCURACY

SGT 5804.5 SGR 419.2 SG3 273.1
 RRT -.2805 RRF -.2894 RTF .9610
 SGB 5819.6 R23 .0193 R13 -.9610
 SG1 5805.7 SG2 402.3 THA 178.83

ORBIT DETERMINATION ACCURACY

ST 3558.2 SR 393.7 SS 1155.5
 CRT -.9590 CRS .9273 CST -.9952
 LSA 3758.5 MSA 156.2 SSA 18.3
 EL1 3578.2 EL2 111.0 ALF 173.94

LAUNCH DATE JUN 20 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 542.912

RL 152.01 LAL -0.00 LOL 268.01 VL 26.136 GAL 4.36 AZL 93.45 HCA 259.48 SMA 124.85 ECC .22988 INC 3.4516 V1 29.308
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.463 GAP 10.70 AZP 89.37 TAL 165.06 TAP 64.54 RCA 96.15 APO 153.55 V2 35.214
 RC 154.762 GL -22.52 GP 3.65 ZAL 62.97 ZAP 166.33 ETS 14.35 ZAE 127.81 ETE 177.60 ZAC 84.02 ETC 13.10 CLP-166.82

PLANETOCENTRIC CONIC

C3 16.783 VHL 4.097 OLA -31.39 RAL 196.23 RAD 6567.7 VEL 11.754 PTH 2.07 VHP 7.011 DPA 6.07 RAP 183.43 ECC 1.2762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.85 10 43 10 1210.18 22.73 349.06 62.87 112.26 11 3 20 610.2 25.54 341.27
 104.15 14 26 43 5780.54 22.74 273.93 62.87 112.25 16 3 4 5180.5 25.56 266.14
 75.85 10 43 10 1210.18 22.73 349.06 62.87 112.26 11 3 20 610.2 25.54 341.27
 104.15 14 26 43 5780.54 22.74 273.93 62.87 112.25 16 3 4 5180.5 25.56 266.14
 110.00 13 20 40 698.56 14.20 307.17 58.32 121.43 13 32 19 98.6 18.25 300.40
 110.00 16 48 23 5340.16 31.84 243.52 66.14 103.14 18 17 23 4740.2 33.32 234.60

DIFFERENTIAL CORRECTIONS

TDE-2.4453 TRA 1.7608 TC3-4.6110 BAU 1.0350
 RDE .2885 RRA .0481 RC3 -.1384 FAU .03173
 FDE-1.2346 FRA 1.2608 FC3-1.6366 BSP 18572
 BDE 2.4623 BRA 1.7615 BC3 4.6131 FSP -862

MID-COURSE EXECUTION ACCURACY

SGT 5856.0 SGR 426.5 SG3 259.9
 RRT -.2899 RRF -.2976 RTF .9612
 SGB 5871.5 R23 .0183 R13 -.9613
 SG1 5857.3 SG2 408.1 THA 178.78

ORBIT DETERMINATION ACCURACY

ST 3529.6 SR 404.2 SS 1111.6
 CRT -.9526 CRS .9194 CST -.9953
 LSA 3719.0 MSA 161.4 SSA 18.0
 EL1 3550.6 EL2 122.2 ALF 173.77

LAUNCH DATE JUN 20 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 548.576

RL 152.01 LAL -0.00 LOL 268.01 VL 26.098 GAL 4.86 AZL 93.41 HCA 262.72 SMA 124.62 ECC .23485 INC 3.4120 V1 29.308
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.429 GAP 11.13 AZP 89.57 TAL 163.73 TAP 66.45 RCA 95.35 APO 153.88 V2 35.205
 RC 156.813 GL -21.42 GP 3.49 ZAL 60.52 ZAP 167.42 ETS 14.88 ZAE 127.60 ETE 177.73 ZAC 81.98 ETC 12.92 CLP-167.91

PLANETOCENTRIC CONIC

C3 17.965 VHL 4.239 OLA -31.31 RAL 199.18 RAD 6567.7 VEL 11.805 PTH 2.09 VHP 7.251 DPA 5.04 RAP 185.33 ECC 1.2957
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.04 10 56 18 1221.64 22.26 349.72 66.87 112.61 11 16 40 621.6 25.13 341.98
 103.96 14 37 7 5800.60 22.28 275.24 66.87 112.60 16 13 48 5200.6 25.14 267.49
 76.04 10 56 18 1221.64 22.26 349.72 66.87 112.61 11 16 40 621.6 25.13 341.98
 103.96 14 37 7 5800.60 22.28 275.24 66.87 112.60 16 13 48 5200.6 25.14 267.49
 110.00 13 30 59 719.03 13.47 308.30 62.13 121.72 13 42 58 119.0 17.57 301.59
 110.00 17 1 36 5351.20 31.67 244.33 70.31 103.59 18 30 48 4751.2 33.21 235.44

DIFFERENTIAL CORRECTIONS

TDE-2.4832 TRA 2.0001 TC3-4.3419 BAU 1.0433
 RDE .3059 RRA .0457 RC3 -.1247 FAU .02919
 FDE-1.1757 FRA 1.3033 FC3-1.4065 BSP 18762
 BDE 2.5020 BRA 2.0006 BC3 4.3437 FSP -825

MID-COURSE EXECUTION ACCURACY

SGT 5901.8 SGR 432.9 SG3 247.4
 RRT -.3015 RRF -.3082 RTF .9615
 SGB 5917.6 R23 .0177 R13 -.9615
 SG1 5903.2 SG2 412.6 THA 178.73

ORBIT DETERMINATION ACCURACY

ST 3490.2 SR 414.1 SS 1068.6
 CRT -.9459 CRS .9112 CST -.9954
 LSA 3669.7 MSA 167.3 SSA 17.6
 EL1 3512.1 EL2 133.5 ALF 173.59

LAUNCH DATE JUN 20 1967

FLIGHT TIME 194.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 554.195

RL 152.01 LAL -0.00 LOL 268.01 VL 26.060 GAL 5.38 AZL 93.37 HCA 265.96 SMA 124.39 ECC .24020 INC 3.3730 V1 29.308
 RP 107.67 LAP 3.36 LOP 173.96 VP 37.394 GAP 11.59 AZP 89.76 TAL 162.39 TAP 68.35 RCA 94.51 APO 154.27 V2 35.197
 RC 158.850 GL -20.32 GP 3.34 ZAL 58.13 ZAP 168.48 ETS 15.57 ZAE 127.39 ETE 177.85 ZAC 79.90 ETC 12.78 CLP-168.97

PLANETOCENTRIC CONIC

C3 19.329 VHL 4.396 OLA -31.18 RAL 202.06 RAD 6567.8 VEL 11.862 PTH 2.10 VHP 7.502 DPA 4.01 RAP 187.25 ECC 1.3181
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.36 11 10 2 1231.68 21.72 350.23 70.87 112.94 11 30 34 631.7 24.64 342.54
 103.64 14 46 19 5824.92 21.74 276.83 70.87 112.93 16 23 24 5224.9 24.65 269.14
 76.36 11 10 2 1231.68 21.72 350.23 70.87 112.94 11 30 34 631.7 24.64 342.54
 103.64 14 46 19 5824.92 21.74 276.83 70.87 112.93 16 23 24 5224.9 24.65 269.14
 110.00 13 40 7 743.82 12.58 309.67 65.89 122.05 13 52 31 143.8 16.72 303.01
 110.00 17 15 25 5360.78 31.51 245.03 74.52 103.98 18 44 46 4760.8 33.11 236.17

DIFFERENTIAL CORRECTIONS

TDE-2.5181 TRA 2.2531 TC3-4.0609 BAU 1.0498
 RDE .3243 RRA .0419 RC3 -.1106 FAU .02677
 FDE-1.1196 FRA 1.3450 FC3-1.1988 BSP 18936
 BDE 2.5389 BRA 2.2535 BC3 4.0624 FSP -790

MID-COURSE EXECUTION ACCURACY

SGT 5941.4 SGR 438.3 SG3 235.6
 RRT -.3150 RRF -.3206 RTF .9618
 SGB 5957.5 R23 .0170 R13 -.9618
 SG1 5943.0 SG2 415.9 THA 178.66

ORBIT DETERMINATION ACCURACY

ST 3441.1 SR 423.1 SS 1026.4
 CRT -.9389 CRS .9027 CST -.9955
 LSA 3611.5 MSA 174.0 SSA 17.1
 EL1 3464.0 EL2 144.6 ALF 173.40

LAUNCH DATE JUN 20 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 559.762

RL 152.01 LAL -0.00 LOL 268.01 VL 26.023 GAL 5.94 AZL 93.33 HCA 269.19 SMA 124.16 ECC .24597 INC 3.3344 V1 29.308
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.359 GAP 12.06 AZP 89.95 TAL 161.06 TAP 70.25 RCA 93.62 APO 154.70 V2 35.187
 RC 160.871 GL -19.23 GP 3.21 ZAL 55.80 ZAP 169.52 ETS 16.45 ZAE 127.20 ETE 177.95 ZAC 77.81 ETC 12.66 CLP-170.02

PLANETOCENTRIC CONIC

C3 20.899 VHL 4.572 OLA -31.00 RAL 204.85 RAD 6567.8 VEL 11.928 PTH 2.12 VHP 7.767 DPA 2.98 RAP 189.19 ECC 1.3439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.81 11 24 22 1240.18 21.11 350.59 74.85 113.25 11 45 2 640.2 24.07 342.96
 103.19 14 54 14 5853.63 21.12 278.71 74.86 113.24 16 31 48 5253.6 24.09 271.07
 76.81 11 24 22 1240.18 21.11 350.59 74.85 113.25 11 45 2 640.2 24.07 342.96
 103.19 14 54 14 5853.63 21.12 278.71 74.86 113.24 16 31 48 5253.6 24.09 271.07
 110.00 13 48 8 772.58 11.53 311.25 69.60 122.40 14 1 0 172.6 15.73 304.65
 110.00 17 29 39 5369.24 31.37 245.65 78.74 104.33 18 59 8 4769.2 33.02 236.82

DIFFERENTIAL CORRECTIONS

TDE-2.5471 TRA 2.5244 TC3-3.7670 BAU 1.0529
 RDE .3435 RRA .0366 RC3 -.0969 FAU .02438
 FDE-1.0649 FRA 1.3881 FC3-1.0098 BSP 19018
 BDE 2.5702 BRA 2.5247 BC3 3.7682 FSP -752

MID-COURSE EXECUTION ACCURACY

SGT 5973.2 SGR 442.7 SG3 224.5
 RRT -.3294 RRF -.3337 RTF .9620
 SGB 5989.6 R23 .0161 R13 -.9620
 SG1 5975.0 SG2 417.9 THA 178.59

ORBIT DETERMINATION ACCURACY

ST 3380.5 SR 430.8 SS 984.7
 CRT -.9312 CRS .8934 CST -.9955
 LSA 3542.6 MSA 181.6 SSA 16.6
 EL1 3404.3 EL2 155.9 ALF 173.22

LAUNCH DATE JUN 20 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 565.271

RL 152.01 LAL -.00 LOL 268.01 VL 25.986 GAL 6.53 AZL 93.30 HCA 272.43 SMA 123.93 ECC .25218 INC 3.2958 V1 29.308
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.324 GAP 12.56 AZP 90.14 TAL 159.73 TAP 72.15 RCA 92.68 APO 155.19 V2 35.178
 RC 162.878 GL -18.15 GP 3.09 ZAL 53.55 ZAP 170.53 ETS 17.58 ZAE 127.02 ETE 178.03 ZAC 75.70 ETC 12.57 CLP-171.05

PLANETOCENTRIC CONIC

C3 22.704 VHL 4.765 DLA -30.78 RAL 207.54 RAD 6567.9 VEL 12.003 PTH 2.14 VHP 8.047 DPA 1.96 RAP 191.15 ECC 1.3736
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.40 11 39 17 1247.01 20.43 350.79 78.82 113.54 12 0 4 647.0 23.44 343.21
 102.60 15 0 48 5886.82 20.44 280.89 78.82 113.53 16 38 55 5286.8 23.45 273.31
 77.40 11 39 17 1247.01 20.43 350.79 78.82 113.54 12 0 4 647.0 23.44 343.21
 102.60 15 0 48 5886.82 20.44 280.89 78.82 113.53 16 38 55 5286.8 23.45 273.31
 110.00 13 55 7 804.91 10.35 313.00 73.23 122.76 14 8 32 204.9 14.59 306.47
 110.00 17 44 9 5376.92 31.24 246.21 82.97 104.63 19 13 46 4776.9 32.93 237.40

DIFFERENTIAL CORRECTIONS

TDE-2.5775 TRA 2.8076 TC3-3.4775 BAU 1.0558
 RDE .3635 RRA .0300 RC3 -.0835 FAU .02220
 FDE-1.0158 FRA 1.4287 FC3 -.8466 BSP 19171
 BDE 2.6030 BRA 2.8077 BC3 3.4785 FSP -720

MID-COURSE EXECUTION ACCURACY

SGT 6002.5 SGR 446.3 SG3 214.1
 RRT -.3457 RRF -.3488 RTF .9625
 SGB 6019.1 R23 .0154 R13 -.9625
 SG1 6004.5 SG2 418.6 THA 178.52

ORBIT DETERMINATION ACCURACY

ST 3317.5 SR 437.3 SS 946.3
 CRT -.9235 CRS .8843 CST -.9956
 LSA 3472.3 MSA 189.0 SSA 16.1
 EL1 3342.1 EL2 166.6 ALF 173.04

LAUNCH DATE JUN 20 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 570.715

RL 152.01 LAL -.00 LOL 268.01 VL 25.948 GAL 7.15 AZL 93.26 HCA 275.66 SMA 123.71 ECC .25890 INC 3.2570 V1 29.308
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.288 GAP 13.08 AZP 90.32 TAL 158.41 TAP 74.06 RCA 91.68 APO 155.74 V2 35.167
 RC 164.869 GL -17.09 GP 2.99 ZAL 51.37 ZAP 171.52 ETS 19.04 ZAE 126.84 ETE 178.11 ZAC 73.58 ETC 12.50 CLP-172.06

PLANETOCENTRIC CONIC

C3 24.777 VHL 4.978 DLA -30.52 RAL 210.13 RAD 6568.0 VEL 12.089 PTH 2.16 VHP 8.344 DPA .95 RAP 193.12 ECC 1.4078
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.12 11 54 51 1251.76 19.68 350.79 82.75 113.81 12 15 43 651.8 22.73 343.28
 101.88 15 5 53 636.78 19.70 305.48 82.76 113.79 15 16 30 36.8 22.74 297.96
 78.12 11 54 51 1251.76 19.68 350.79 82.75 113.81 12 15 43 651.8 22.73 343.28
 101.88 15 5 53 636.78 19.70 305.48 82.76 113.79 15 16 30 36.8 22.74 297.96
 110.00 14 1 10 840.37 9.03 314.91 76.81 123.11 14 15 10 240.4 13.33 308.44
 110.00 17 58 45 5384.20 31.12 246.74 87.19 104.92 19 28 29 4784.2 32.85 237.95

DIFFERENTIAL CORRECTIONS

TDE-2.6062 TRA 3.1075 TC3-3.1886 BAU 1.0565
 RDE .3843 RRA .0217 RC3 -.0709 FAU .02011
 FDE -.9699 FRA 1.4698 FC3 -.7026 BSP 19305
 BDE 2.6344 BRA 3.1076 BC3 3.1894 FSP -690

MID-COURSE EXECUTION ACCURACY

SGT 6026.3 SGR 448.9 SG3 204.3
 RRT -.3631 RRF -.3649 RTF .9630
 SGB 6043.0 R23 .0146 R13 -.9630
 SG1 6028.5 SG2 418.1 THA 178.44

ORBIT DETERMINATION ACCURACY

ST 3249.6 SR 442.5 SS 910.2
 CRT -.9153 CRS .8748 CST -.9957
 LSA 3397.9 MSA 196.5 SSA 15.6
 EL1 3274.8 EL2 176.9 ALF 172.88

LAUNCH DATE JUN 20 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 576.086

RL 152.01 LAL -.00 LOL 268.01 VL 25.912 GAL 7.82 AZL 93.22 HCA 278.89 SMA 123.49 ECC .26618 INC 3.2179 V1 29.308
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.252 GAP 13.64 AZP 90.50 TAL 157.09 TAP 75.98 RCA 90.62 APO 156.36 V2 35.156
 RC 166.846 GL -16.05 GP 2.89 ZAL 49.28 ZAP 172.49 ETS 20.95 ZAE 126.66 ETE 178.17 ZAC 71.45 ETC 12.47 CLP-173.07

PLANETOCENTRIC CONIC

C3 27.159 VHL 5.211 DLA -30.22 RAL 212.61 RAD 6568.1 VEL 12.187 PTH 2.19 VHP 8.661 DPA -.05 RAP 195.10 ECC 1.4470
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.98 12 11 9 1254.12 18.87 350.59 86.64 114.05 12 32 3 654.1 21.96 343.13
 101.02 15 9 23 679.81 18.89 308.32 86.65 114.03 15 20 42 79.8 21.98 300.86
 78.98 12 11 9 1254.12 18.87 350.59 86.64 114.05 12 32 3 654.1 21.96 343.13
 101.02 15 9 23 679.81 18.89 308.32 86.65 114.03 15 20 42 79.8 21.98 300.86
 110.00 14 6 23 878.56 7.61 316.94 80.31 123.43 14 21 1 278.6 11.95 310.54
 110.00 18 13 19 5391.41 30.99 247.27 91.39 105.21 19 43 11 4791.4 32.76 238.50

DIFFERENTIAL CORRECTIONS

TDE-2.6332 TRA 3.4255 TC3-2.9033 BAU 1.0544
 RDE .4057 RRA .0119 RC3 -.0593 FAU .01811
 FDE -.9271 FRA 1.5113 FC3 -.5772 BSP 19414
 BDE 2.6643 BRA 3.4255 BC3 2.9039 FSP -661

MID-COURSE EXECUTION ACCURACY

SGT 6044.3 SGR 450.5 SG3 195.1
 RRT -.3813 RRF -.3818 RTF .9637
 SGB 6061.1 R23 .0136 R13 -.9637
 SG1 6046.8 SG2 416.3 THA 178.36

ORBIT DETERMINATION ACCURACY

ST 3177.9 SR 446.0 SS 876.5
 CRT -.9066 CRS .8651 CST -.9958
 LSA 3320.3 MSA 204.0 SSA 15.1
 EL1 3203.6 EL2 186.7 ALF 172.72

LAUNCH DATE JUN 20 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 581.372

RL 152.01 LAL -.00 LOL 268.01 VL 25.875 GAL 8.52 AZL 93.18 HCA 282.12 SMA 123.27 ECC .27406 INC 3.1780 V1 29.308
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.216 GAP 14.22 AZP 90.67 TAL 155.80 TAP 77.91 RCA 89.49 APO 157.06 V2 35.145
 RC 168.808 GL -15.04 GP 2.80 ZAL 47.27 ZAP 173.44 ETS 23.50 ZAE 126.48 ETE 178.21 ZAC 69.32 ETC 12.47 CLP-174.07

PLANETOCENTRIC CONIC

C3 29.896 VHL 5.468 DLA -29.89 RAL 214.97 RAD 6568.2 VEL 12.299 PTH 2.22 VHP 8.998 DPA -1.05 RAP 197.09 ECC 1.4920
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.02 12 28 24 1253.19 18.02 350.12 90.49 114.26 12 49 17 653.2 21.14 342.71
 99.98 15 11 0 728.71 18.03 311.55 90.49 114.25 15 23 8 128.7 21.15 304.15
 100.00 15 6 27 743.22 17.61 312.43 90.29 114.55 15 18 50 143.2 20.78 305.07
 100.00 15 15 38 713.91 18.43 310.64 90.68 113.96 15 27 32 113.9 21.52 303.20
 110.00 14 10 51 919.09 6.08 319.09 83.75 123.70 14 26 10 319.1 10.47 312.75
 110.00 18 27 43 5398.84 30.85 247.80 95.57 105.50 19 57 42 4798.8 32.67 239.06

DIFFERENTIAL CORRECTIONS

TDE-2.6563 TRA 3.7659 TC3-2.6209 BAU 1.0477
 RDE .4274 RRA .0001 RC3 -.0490 FAU .01611
 FDE -.8860 FRA 1.5555 FC3 -.4665 BSP 19432
 BDE 2.6905 BRA 3.7659 BC3 2.6214 FSP -630

MID-COURSE EXECUTION ACCURACY

SGT 6056.3 SGR 451.1 SG3 186.4
 RRT -.3998 RRF -.3988 RTF .9644
 SGB 6073.1 R23 .0124 R13 -.9644
 SG1 6059.0 SG2 413.3 THA 178.29

ORBIT DETERMINATION ACCURACY

ST 3101.6 SR 447.9 SS 844.6
 CRT -.8973 CRS .8545 CST -.9959
 LSA 3238.7 MSA 211.4 SSA 14.6
 EL1 3127.6 EL2 196.1 ALF 172.59

LAUNCH DATE JUN 20 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 586.563

RL 152.01 LAL -.00 LOL 268.01 VL 25.839 GAL 9.27 AZL 93.14 HCA 285.34 SMA 123.06 ECC .28263 INC 3.1373 V1 29.308
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.180 GAP 14.84 AZP 90.83 TAL 154.52 TAP 79.86 RCA 88.28 APO 157.84 V2 35.134
 RC 170.755 GL -14.05 GP 2.72 ZAL 45.36 ZAP 174.37 ETS 27.00 ZAE 126.30 ETE 178.26 ZAC 67.18 ETC 12.50 CLP-175.07

PLANETOCENTRIC CONIC

C3 33.047 VHL 5.749 DLA -29.53 RAL 217.22 RAD 6568.3 VEL 12.427 PTH 2.25 VHP 9.360 DPA -2.03 RAP 199.09 ECC 1.5439
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.26 12 46 58 1247.68 17.11 349.28 94.28 114.44 13 7 46 647.7 20.27 341.93
 98.74 15 10 22 784.60 17.12 315.27 94.28 114.43 15 23 27 184.6 20.28 307.92
 100.00 14 40 49 879.17 13.59 320.52 92.53 116.88 14 55 28 279.2 17.09 313.48
 100.00 15 59 12 628.34 20.71 305.31 95.91 112.05 16 9 40 28.3 23.52 297.64
 110.00 14 14 40 961.60 4.47 321.33 87.12 123.92 14 30 41 361.6 8.90 315.03
 110.00 18 41 51 5406.71 30.71 248.37 99.71 105.81 20 11 57 4806.7 32.57 239.65

DIFFERENTIAL CORRECTIONS

TDE-2.6839 TRA 4.1229 TC3-2.3533 BAU 1.0399
 RDE .4497 RRA -.0133 RC3 -.0398 FAU .01428
 FDE -.8506 FRA 1.5989 FC3 -.3742 BSP 19535
 BDE 2.7213 BRA 4.1230 BC3 2.3536 FSP -605

MID-COURSE EXECUTION ACCURACY

SGT 6064.6 SGR 450.8 SG3 178.3
 RRT -.4195 RRF -.4172 RTF .9654
 SGB 6081.4 R23 .0114 R13 -.9654
 SG1 6067.6 SG2 409.0 THA 178.21

ORBIT DETERMINATION ACCURACY

ST 3028.1 SR 448.2 SS 817.0
 CRT -.8880 CRS .8445 CST -.9960
 LSA 3160.7 MSA 217.9 SSA 14.1
 EL1 3054.3 EL2 204.4 ALF 172.48

LAUNCH DATE JUN 20 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 591.642

RL 152.01 LAL -.00 LOL 268.01 VL 25.803 GAL 10.07 AZL 93.10 HCA 288.56 SMA 122.85 ECC .29196 INC 3.0952 V1 29.308
 RP 107.90 LAP 2.93 LOP 196.60 VP 37.144 GAP 15.51 AZP 90.99 TAL 153.26 TAP 81.83 RCA 86.98 APO 158.71 V2 35.122
 RC 172.686 GL -13.09 GP 2.64 ZAL 43.54 ZAP 175.26 ETS 31.97 ZAE 126.10 ETE 178.29 ZAC 65.05 ETC 12.56 CLP-176.07

PLANETOCENTRIC CONIC

C3 36.679 VHL 6.056 DLA -29.14 RAL 219.35 RAD 6568.4 VEL 12.572 PTH 2.28 VHP 9.749 DPA -3.00 RAP 201.09 ECC 1.6037
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.80 13 7 35 1235.08 16.16 347.89 98.01 114.59 13 28 10 635.1 19.35 340.60
 97.20 15 6 44 849.85 16.18 319.64 98.02 114.58 15 20 54 249.8 19.36 312.35
 100.00 14 32 23 960.11 11.05 325.19 95.42 117.95 14 48 23 360.1 14.71 318.31
 100.00 16 24 37 600.05 21.42 303.51 100.37 111.36 16 34 37 .0 24.14 295.76
 110.00 14 17 52 1005.79 2.79 323.64 90.42 124.08 14 34 38 405.8 7.24 317.39
 110.00 18 55 37 5415.17 30.55 248.98 103.81 106.14 20 25 52 4815.2 32.46 240.28

DIFFERENTIAL CORRECTIONS

TDE-2.7120 TRA 4.5027 TC3-2.0963 BAU 1.0281
 RDE .4723 RRA -.0285 RC3 -.0318 FAU .01251
 FDE -.8181 FRA 1.6443 FC3 -.2954 BSP 19610
 BDE 2.7528 BRA 4.5028 BC3 2.0965 FSP -580

MID-COURSE EXECUTION ACCURACY

SGT 6067.8 SGR 449.5 SG3 170.6
 RRT -.4396 RRF -.4360 RTF .9665
 SGB 6084.4 R23 .0102 R13 -.9666
 SG1 6071.0 SG2 403.5 THA 178.13

ORBIT DETERMINATION ACCURACY

ST 2954.6 SR 446.9 SS 792.2
 CRT -.8784 CRS .8344 CST -.9962
 LSA 3083.3 MSA 223.8 SSA 13.6
 EL1 2980.7 EL2 211.7 ALF 172.39

LAUNCH DATE JUN 20 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 596.591

RL 152.01 LAL -.00 LOL 268.01 VL 25.767 GAL 10.94 AZL 93.05 HCA 291.79 SMA 122.64 ECC .30215 INC 3.0516 V1 29.308
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.108 GAP 16.22 AZP 91.13 TAL 152.04 TAP 83.83 RCA 85.58 APO 159.70 V2 35.110
 RC 174.603 GL -12.16 GP 2.58 ZAL 41.82 ZAP 176.10 ETS 39.31 ZAE 125.90 ETE 178.32 ZAC 62.92 ETC 12.65 CLP-177.07

PLANETOCENTRIC CONIC

C3 40.877 VHL 6.394 DLA -28.74 RAL 221.36 RAD 6568.6 VEL 12.738 PTH 2.32 VHP 10.169 DPA -3.95 RAP 203.10 ECC 1.6727
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.87 13 32 20 1208.52 15.18 345.47 101.68 114.70 13 52 29 608.5 18.39 338.23
 95.13 14 58 0 931.16 15.20 325.16 101.69 114.69 15 13 32 331.2 18.40 317.92
 100.00 14 26 54 1031.38 8.75 329.23 98.38 118.70 14 44 5 431.4 12.51 322.46
 100.00 16 46 7 5871.57 21.83 280.36 104.63 110.94 18 23 59 5271.6 24.48 272.56
 110.00 14 20 32 1051.38 1.05 326.02 93.66 124.17 14 38 4 451.4 5.52 319.80
 110.00 19 8 58 5424.33 30.38 249.64 107.85 106.49 20 39 23 4824.3 32.33 240.97

DIFFERENTIAL CORRECTIONS

TDE-2.7413 TRA 4.9071 TC3-1.8512 BAU 1.0118
 RDE .4951 RRA -.0457 RC3 -.0251 FAU .01079
 FDE -.7888 FRA 1.6921 FC3 -.2286 BSP 19669
 BDE 2.7857 BRA 4.9074 BC3 1.8514 FSP -556

MID-COURSE EXECUTION ACCURACY

SGT 6065.7 SGR 447.3 SG3 163.4
 RRT -.4600 RRF -.4552 RTF .9679
 SGB 6082.2 R23 .0090 R13 -.9679
 SG1 6069.2 SG2 396.9 THA 178.05

ORBIT DETERMINATION ACCURACY

ST 2881.7 SR 443.9 SS 770.4
 CRT -.8685 CRS .8244 CST -.9964
 LSA 3007.0 MSA 228.8 SSA 13.2
 EL1 2907.5 EL2 218.1 ALF 172.34

LAUNCH DATE JUN 20 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 18 1968

HELIOCENTRIC CONIC

DISTANCE 601.389

RL 152.01 LAL -.00 LOL 268.01 VL 25.732 GAL 11.86 AZL 93.01 HCA 295.01 SMA 122.44 ECC .31330 INC 3.0060 V1 29.308
 RP 107.97 LAP 2.72 LOP 203.04 VP 37.072 GAP 16.99 AZP 91.27 TAL 150.85 TAP 85.86 RCA 84.08 APO 160.80 V2 35.097
 RC 176.504 GL -11.26 GP 2.51 ZAL 40.19 ZAP 176.84 ETS 50.62 ZAE 125.68 ETE 178.34 ZAC 60.81 ETC 12.78 CLP-178.09

PLANETOCENTRIC CONIC

C3 45.743 VHL 6.763 DLA -28.32 RAL 223.24 RAD 6568.7 VEL 12.927 PTH 2.36 VHP 10.624 DPA -4.88 RAP 205.10 ECC 1.7528
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 89.79 14 20 48 1104.33 14.17 337.36 105.28 114.78 14 39 12 504.3 17.39 330.17
 90.21 14 24 36 1092.00 14.19 336.46 105.29 114.77 14 42 48 492.0 17.41 329.27
 100.00 14 22 43 1098.10 6.55 332.96 101.34 119.23 14 41 1 498.1 10.40 326.28
 100.00 17 5 22 5861.50 22.07 279.71 108.76 110.68 18 43 3 5261.5 24.69 271.89
 110.00 14 22 42 1098.13 -.74 328.46 96.84 124.18 14 41 0 498.1 3.75 322.25
 110.00 19 21 52 5434.23 30.18 250.34 111.83 106.87 20 52 26 4834.2 32.19 241.71

DIFFERENTIAL CORRECTIONS

TDE-2.7699 TRA 5.3425 TC3-1.6160 BAU .9883
 RDE .5179 RRA -.0650 RC3 -.0198 FAU .00905
 FDE -.7615 FRA 1.7441 FC3 -.1712 BSP 19622
 BDE 2.8179 BRA 5.3429 BC3 1.6161 FSP -530

MID-COURSE EXECUTION ACCURACY

SGT 6059.4 SGR 444.0 SG3 156.6
 RRT -.4805 RRF -.4744 RTF .9694
 SGB 6075.6 R23 .0076 R13 -.9694
 SG1 6063.1 SG2 389.1 THA 177.98

ORBIT DETERMINATION ACCURACY

ST 2808.8 SR 439.1 SS 751.2
 CRT -.8581 CRS .8138 CST -.9966
 LSA 2931.2 MSA 233.1 SSA 12.7
 EL1 2834.1 EL2 223.5 ALF 172.31

LAUNCH DATE JUN 20 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 20 1968

HELIOCENTRIC CONIC

DISTANCE 606.007

RL 152.01 LAL -0.00 LOL 268.01 VL 25.698 GAL 12.87 AZL 92.96 HCA 298.22 SMA 122.24 ECC .32554 INC 2.9580 V1 29.308
 RP 108.01 LAP 2.61 LOP 206.26 VP 37.036 GAP 17.83 AZP 91.40 TAL 149.71 TAP 87.93 RCA 82.44 APO 162.03 V2 35.084
 RC 178.389 GL -10.39 GP 2.46 ZAL 38.66 ZAP 177.39 ETS 68.02 ZAE 125.44 ETE 178.36 ZAC 58.71 ETC 12.95 CLP-179.12

PLANETOCENTRIC CONIC

C3 51.401 VHL 7.169 OLA -27.88 RAL 225.01 RAD 6568.9 VEL 13.144 PTH 2.40 VHP 11.119 DPA -5.79 RAP 207.10 ECC 1.8459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 46 3 1269.28 9.08 346.90 106.80 116.94 14 7 12 669.3 12.62 340.01
 90.00 15 13 24 985.35 17.28 330.08 110.70 112.79 15 29 49 385.3 20.22 322.64
 100.00 14 19 11 1162.15 4.41 336.51 104.27 119.60 14 38 33 562.2 8.31 329.90
 100.00 17 22 57 5855.75 22.21 279.34 112.78 110.54 19 0 33 5255.7 24.81 271.50
 110.00 14 24 23 1145.81 -2.56 330.95 99.95 124.10 14 43 29 545.8 1.93 324.74
 110.00 19 34 14 5444.85 29.97 251.10 115.73 107.27 21 4 59 4844.9 32.04 242.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8061 TRA 5.8030 TC3-1.3985 BAU .9611 SGT 6047.8 SGR 439.8 SG3 150.2 ST 2740.4 SR 432.9 SS 735.9
 RDE .5409 RRA -.0862 RC3 -.0154 FAU .00741 RRT -.5015 RRF -.4945 RTF .9711 CRT -.8481 CRS .8044 CST -.9968
 FDE -.7392 FRA 1.7978 FC3 -.1248 BSP 19679 SGB 6063.8 R23 .0063 R13 -.9711 LSA 2860.6 MSA 235.9 SSA 12.2
 BDE 2.8578 BRA 5.8036 BC3 1.3986 FSP -510 SG1 6051.8 SG2 380.3 THA 177.90 EL1 2765.1 EL2 227.3 ALF 172.32

LAUNCH DATE JUN 20 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 22 1968

HELIOCENTRIC CONIC

DISTANCE 610.412

RL 152.01 LAL -0.00 LOL 268.01 VL 25.664 GAL 13.95 AZL 92.91 HCA 301.44 SMA 122.04 ECC .33901 INC 2.9070 V1 29.308
 RP 108.05 LAP 2.48 LOP 209.47 VP 37.000 GAP 18.73 AZP 91.52 TAL 148.62 TAP 90.06 RCA 80.67 APO 163.41 V2 35.071
 RC 180.257 GL -9.55 GP 2.40 ZAL 37.24 ZAP 177.59 ETS 91.64 ZAE 125.17 ETE 178.37 ZAC 56.64 ETC 13.16 CLP 179.83

PLANETOCENTRIC CONIC

C3 58.009 VHL 7.616 OLA -27.43 RAL 226.64 RAD 6569.1 VEL 13.393 PTH 2.45 VHP 11.661 DPA -6.68 RAP 209.08 ECC 1.9547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 34 1 1360.04 6.25 352.06 109.32 117.68 13 56 41 760.0 9.90 345.29
 90.00 15 38 30 954.27 18.09 328.16 114.94 112.17 15 54 24 354.3 20.94 320.65
 100.00 14 15 59 1224.41 2.31 339.93 107.16 119.81 14 36 24 624.4 6.26 333.38
 100.00 17 39 13 5853.17 22.27 279.17 116.68 110.47 19 16 46 5253.2 24.86 271.33
 110.00 14 25 36 1194.22 -4.41 333.48 102.99 123.93 14 45 30 594.2 .08 327.27
 110.00 19 46 6 5456.13 29.74 251.89 119.55 107.69 21 17 2 4856.1 31.87 243.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8463 TRA 6.2969 TC3-1.1943 BAU .9263 SGT 6031.4 SGR 434.7 SG3 144.2 ST 2674.2 SR 425.2 SS 723.8
 RDE .5640 RRA -.1095 RC3 -.0121 FAU .00578 RRT -.5226 RRF -.5147 RTF .9730 CRT -.8382 CRS .7954 CST -.9971
 FDE -.7201 FRA 1.8560 FC3 -.0862 BSP 19755 SGB 6047.0 R23 .0050 R13 -.9730 LSA 2792.7 MSA 237.5 SSA 11.8
 BDE 2.9017 BRA 6.2979 BC3 1.1944 FSP -489 SG1 6035.7 SG2 370.3 THA 177.83 EL1 2698.0 EL2 229.9 ALF 172.35

LAUNCH DATE JUN 20 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 24 1968

HELIOCENTRIC CONIC

DISTANCE 614.561

RL 152.01 LAL -0.00 LOL 268.01 VL 25.631 GAL 15.13 AZL 92.85 HCA 304.65 SMA 121.85 ECC .35388 INC 2.8525 V1 29.308
 RP 108.09 LAP 2.35 LOP 212.69 VP 36.965 GAP 19.73 AZP 91.62 TAL 147.60 TAP 92.25 RCA 78.73 APO 164.97 V2 35.058
 RC 182.108 GL -8.73 GP 2.36 ZAL 35.93 ZAP 177.33 ETS 115.42 ZAE 124.87 ETE 178.38 ZAC 54.60 ETC 13.40 CLP 178.76

PLANETOCENTRIC CONIC

C3 65.761 VHL 8.109 OLA -26.96 RAL 228.16 RAD 6569.3 VEL 13.679 PTH 2.50 VHP 12.255 DPA -7.55 RAP 211.05 ECC 2.0823
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 25 32 1438.44 3.75 356.46 111.93 118.09 13 49 31 838.4 7.48 349.77
 90.00 15 59 3 936.64 18.54 327.06 118.91 111.80 16 14 39 336.6 21.33 319.50
 100.00 14 12 56 1285.34 .24 343.28 109.99 119.89 14 34 21 685.3 4.22 336.75
 100.00 17 54 20 5853.01 22.28 279.16 120.46 110.46 19 31 53 5253.0 24.86 271.32
 110.00 14 26 22 1243.17 -6.26 336.06 105.96 123.67 14 47 5 643.2 -1.79 329.82
 110.00 19 57 23 5467.95 29.49 252.73 123.26 108.12 21 28 31 4867.9 31.68 244.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.8937 TRA 6.8285 TC3-1.0048 BAU .8834 SGT 6011.4 SGR 428.6 SG3 138.5 ST 2611.4 SR 416.0 SS 715.1
 RDE .5870 RRA -.1350 RC3 -.0098 FAU .00413 RRT -.5439 RRF -.5353 RTF .9750 CRT -.8285 CRS .7870 CST -.9974
 FDE -.7044 FRA 1.9192 FC3 -.0544 BSP 19713 SGB 6026.6 R23 .0037 R13 -.9751 LSA 2728.9 MSA 237.7 SSA 11.3
 BDE 2.9526 BRA 6.8298 BC3 1.0048 FSP -470 SG1 6015.9 SG2 359.4 THA 177.77 EL1 2634.2 EL2 230.9 ALF 172.42

LAUNCH DATE JUN 20 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 26 1968

HELIOCENTRIC CONIC

DISTANCE 618.401

RL 152.01 LAL -0.00 LOL 268.01 VL 25.599 GAL 16.42 AZL 92.79 HCA 307.86 SMA 121.67 ECC .37035 INC 2.7936 V1 29.308
 RP 108.13 LAP 2.21 LOP 215.90 VP 36.930 GAP 20.82 AZP 91.72 TAL 146.66 TAP 94.52 RCA 76.61 APO 166.73 V2 35.045
 RC 183.942 GL -7.95 GP 2.31 ZAL 34.72 ZAP 176.70 ETS 133.04 ZAE 124.52 ETE 178.39 ZAC 52.59 ETC 13.69 CLP 177.65

PLANETOCENTRIC CONIC

C3 74.904 VHL 8.655 OLA -26.49 RAL 229.54 RAD 6569.5 VEL 14.009 PTH 2.56 VHP 12.912 DPA -8.38 RAP 212.99 ECC 2.2327
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 18 36 1510.69 1.42 .50 114.53 118.28 13 43 47 910.7 5.19 353.85
 90.00 16 16 59 925.89 18.81 326.39 122.69 111.57 16 32 25 325.9 21.57 318.81
 100.00 14 9 51 1345.18 -1.79 346.56 112.75 119.84 14 32 16 745.2 2.19 340.04
 100.00 18 8 26 5854.68 22.24 279.27 124.10 110.51 19 46 0 5254.7 24.83 271.43
 110.00 14 26 39 1292.46 -8.11 338.67 108.85 123.32 14 48 11 692.5 -3.67 332.40
 110.00 20 8 7 5480.16 29.23 253.58 126.86 108.56 21 39 28 4880.2 31.48 245.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.9442 TRA 7.4058 TC3 -.8262 BAU .8274 SGT 5987.5 SGR 421.5 SG3 133.2 ST 2549.8 SR 405.3 SS 709.3
 RDE .6098 RRA -.1629 RC3 -.0084 FAU .00239 RRT -.5650 RRF -.5558 RTF .9772 CRT -.8188 CRS .7786 CST -.9976
 FDE -.6910 FRA 1.9898 FC3 -.0277 BSP 19602 SGB 6002.3 R23 .0022 R13 -.9772 LSA 2666.9 MSA 236.9 SSA 10.8
 BDE 3.0067 BRA 7.4076 BC3 .8263 FSP -449 SG1 5992.3 SG2 347.5 THA 177.71 EL1 2571.5 EL2 230.7 ALF 172.52

LAUNCH DATE JUN 21 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 30 1967

HELIOCENTRIC CONIC

DISTANCE 163.559

RL 152.02 LAL -.00 LOL 268.96 VL 23.252 GAL -1.27 AZL 93.62 MCA 67.09 SMA 110.11 ECC .38124 INC 3.6250 V1 29.306
 RP 108.87 LAP -3.34 LOP 336.01 VP 35.109 GAP -22.40 AZP 91.41 TAL 182.06 TAP 249.15 RCA 68.13 APO 152.08 V2 34.806
 RC 42.841 GL -13.47 GP -1.93 ZAL 95.74 ZAP 10.22 ETS 169.26 ZAE 165.70 ETE 44.42 ZAC 99.52 ETC 14.12 CLP 10.04

PLANETOCENTRIC CONIC

C3 39.842 VHL 6.312 DLA -9.61 RAL 168.27 RAD 6568.5 VEL 12.697 PTH 2.31 VHP 13.494 DPA 6.85 RAP 167.75 ECC 1.6557
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 53 30 2082.79 -46.17 33.31 39.13 113.57 6 28 12 1482.8 -12.84 26.21
 90.00 15 25 28 5331.97 27.55 242.65 45.43 83.16 16 54 20 4732.0 26.31 234.20
 100.00 7 10 7 1835.60 -17.44 14.53 38.53 114.67 7 40 42 1235.6 -13.97 7.46
 100.00 16 51 31 5054.39 28.93 222.03 45.23 82.14 18 15 46 4454.4 27.54 213.50
 110.00 8 7 37 1655.54 -20.83 359.11 36.77 117.74 8 35 12 1055.5 -16.95 352.13
 110.00 18 10 31 4807.22 32.66 202.55 44.52 79.29 19 30 38 4207.2 30.83 193.80

DIFFERENTIAL CORRECTIONS

TDE .3848 TRA -.7294 TC3 .1215 BAU .0784
 RDE -.4253 RRA -.1760 RC3 .0830 FAU .02089
 FDE -.3102 FRA .2639 FC3 -.4538 BSP 2095
 BDE .5735 BRA .7503 BC3 .1472 FSP -132

MID-COURSE EXECUTION ACCURACY

SGT 772.3 SGR 431.6 SG3 59.0
 RRT -.0299 RRF .0316 RTF -.6623
 SGB 884.7 R23 -.0029 R13 .6624
 SG1 772.4 SG2 431.3 THA 178.61

ORBIT DETERMINATION ACCURACY

ST 403.2 SR 389.1 SS 339.7
 CRT -.7969 CRS -.9271 CST .9627
 LSA 630.2 MSA 178.8 SSA 15.9
 EL1 531.2 EL2 178.4 ALF 136.28

LAUNCH DATE JUN 21 1967

FLIGHT TIME 72.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 170.183

RL 152.02 LAL -.00 LOL 268.96 VL 23.623 GAL -1.36 AZL 93.58 MCA 70.26 SMA 111.72 ECC .36142 INC 3.5779 V1 29.306
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.362 GAP -21.14 AZP 91.21 TAL 182.40 TAP 252.66 RCA 71.34 APO 152.10 V2 34.812
 RC 42.900 GL -14.32 GP -2.02 ZAL 96.50 ZAP 8.49 ETS 166.25 ZAE 163.75 ETE 37.95 ZAC 98.20 ETC 14.02 CLP 8.25

PLANETOCENTRIC CONIC

C3 35.518 VHL 5.960 DLA -10.07 RAL 167.19 RAD 6568.4 VEL 12.525 PTH 2.27 VHP 12.781 DPA 6.22 RAP 168.99 ECC 1.5845
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 52 56 2038.52 -14.94 30.63 36.13 114.33 6 26 55 1438.5 -11.53 23.61
 90.00 15 17 24 5318.19 27.43 241.65 42.36 82.68 16 46 2 4718.2 26.13 233.23
 100.00 7 9 18 1792.17 -16.19 11.92 35.53 115.48 7 39 10 1192.2 -12.63 4.94
 100.00 16 43 43 5039.77 28.79 220.96 42.15 81.60 18 7 43 4439.8 27.33 212.47
 110.00 8 6 13 1613.92 -19.49 356.62 33.76 118.65 8 33 7 1013.9 -15.51 349.76
 110.00 18 3 17 4790.79 32.44 201.32 41.41 78.59 19 23 8 4190.8 30.53 192.62

DIFFERENTIAL CORRECTIONS

TDE .3850 TRA -.7054 TC3 .1620 BAU .0884
 RDE -.4038 RRA -.1646 RC3 .0917 FAU .02203
 FDE -.3297 FRA .2588 FC3 -.5371 BSP 2179
 BDE .5579 BRA .7244 BC3 .1862 FSP -149

MID-COURSE EXECUTION ACCURACY

SGT 805.4 SGR 434.1 SG3 65.5
 RRT -.0339 RRF .0379 RTF -.6800
 SGB 915.0 R23 -.0055 R13 .6801
 SG1 805.6 SG2 433.8 THA 178.52

ORBIT DETERMINATION ACCURACY

ST 423.9 SR 391.2 SS 360.5
 CRT -.8062 CRS -.9343 CST .9616
 LSA 656.0 MSA 179.0 SSA 16.4
 EL1 548.4 EL2 178.9 ALF 137.85

LAUNCH DATE JUN 21 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 176.835

RL 152.02 LAL -.00 LOL 268.96 VL 23.965 GAL -1.46 AZL 93.53 MCA 73.42 SMA 113.27 ECC .34295 INC 3.5327 V1 29.306
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.597 GAP -19.94 AZP 91.01 TAL 182.80 TAP 256.23 RCA 74.43 APO 152.12 V2 34.819
 RC 43.133 GL -15.18 GP -2.13 ZAL 97.40 ZAP 6.79 ETS 161.65 ZAE 161.73 ETE 32.82 ZAC 96.91 ETC 13.93 CLP 6.45

PLANETOCENTRIC CONIC

C3 31.801 VHL 5.639 DLA -10.49 RAL 165.98 RAD 6568.3 VEL 12.376 PTH 2.23 VHP 12.099 DPA 5.59 RAP 170.21 ECC 1.5234
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 51 27 1997.06 -13.77 28.16 33.11 114.99 6 24 44 1397.1 -10.28 21.21
 90.00 15 9 12 5303.90 27.30 240.63 39.22 82.18 16 37 35 4703.9 25.94 232.23
 100.00 7 7 34 1751.46 -14.98 9.50 32.51 116.17 7 36 46 1151.5 -11.35 2.60
 100.00 16 35 45 5024.73 28.64 219.87 38.99 81.04 17 59 30 4424.7 27.10 211.41
 110.00 8 3 58 1574.83 -18.20 354.33 30.74 119.45 8 30 13 974.8 -14.14 347.57
 110.00 17 55 50 4774.13 32.21 200.07 38.22 77.88 19 15 24 4174.1 30.21 191.43

DIFFERENTIAL CORRECTIONS

TDE .3889 TRA -.6767 TC3 .2140 BAU .1005
 RDE -.3836 RRA -.1538 RC3 .1003 FAU .02335
 FDE -.3510 FRA .2508 FC3 -.6357 BSP 2356
 BDE .5463 BRA .6940 BC3 .2363 FSP -170

MID-COURSE EXECUTION ACCURACY

SGT 838.6 SGR 435.9 SG3 72.7
 RRT -.0426 RRF .0455 RTF -.7015
 SGB 945.1 R23 -.0045 R13 .7017
 SG1 838.9 SG2 435.3 THA 178.26

ORBIT DETERMINATION ACCURACY

ST 447.4 SR 392.7 SS 382.2
 CRT -.8195 CRS -.9418 CST .9620
 LSA 684.7 MSA 177.2 SSA 17.0
 EL1 568.3 EL2 177.2 ALF 139.54

LAUNCH DATE JUN 21 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 183.512

RL 152.02 LAL -.00 LOL 268.96 VL 24.279 GAL -1.58 AZL 93.49 MCA 76.59 SMA 114.76 ECC .32580 INC 3.4889 V1 29.306
 RP 108.81 LAP -3.39 LOP 345.53 VP 35.816 GAP -18.79 AZP 90.81 TAL 183.27 TAP 259.87 RCA 77.37 APO 152.14 V2 34.826
 RC 43.534 GL -16.03 GP -2.25 ZAL 98.44 ZAP 5.13 ETS 153.88 ZAE 159.69 ETE 28.69 ZAC 95.64 ETC 13.86 CLP 4.62

PLANETOCENTRIC CONIC

C3 28.611 VHL 5.349 DLA -10.84 RAL 164.63 RAD 6568.1 VEL 12.247 PTH 2.20 VHP 11.448 DPA 4.95 RAP 171.39 ECC 1.4709
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 49 0 1958.76 -12.65 25.90 30.08 115.54 6 21 39 1358.8 -9.11 19.01
 90.00 15 0 55 5289.17 27.16 239.57 36.03 81.67 16 29 4 4689.2 25.73 231.20
 100.00 7 4 56 1713.83 -13.84 7.29 29.48 116.76 7 33 29 1113.8 -10.14 .45
 100.00 16 27 41 5009.34 28.47 218.76 35.79 80.48 17 51 10 4409.3 26.86 210.33
 110.00 8 0 53 1538.62 -16.97 352.23 27.72 120.13 8 26 31 938.6 -12.84 345.56
 110.00 17 48 14 4757.31 31.96 198.82 35.00 77.18 19 7 31 4157.3 29.87 190.24

DIFFERENTIAL CORRECTIONS

TDE .3913 TRA -.6496 TC3 .2707 BAU .1116
 RDE -.3649 RRA -.1436 RC3 .1087 FAU .02481
 FDE -.3741 FRA .2413 FC3 -.7506 BSP 2473
 BDE .5350 BRA .6653 BC3 .2917 FSP -191

MID-COURSE EXECUTION ACCURACY

SGT 872.6 SGR 436.8 SG3 80.8
 RRT -.0503 RRF .0540 RTF -.7193
 SGB 975.9 R23 -.0058 R13 .7195
 SG1 873.0 SG2 436.1 THA 178.08

ORBIT DETERMINATION ACCURACY

ST 470.0 SR 393.7 SS 404.7
 CRT -.8312 CRS -.9488 CST .9617
 LSA 713.1 MSA 175.5 SSA 17.6
 EL1 587.6 EL2 175.1 ALF 141.05

LAUNCH DATE JUN 21 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 190.208

RL 152.02 LAL -.00 LOL 268.96 VL 24.568 GAL -1.71 AZL 93.45 HCA 79.76 SMA 116.17 ECC .30991 INC 3.4463 V1 29.306
 RP 108.79 LAP -3.39 LOP 348.70 VP 36.020 GAP -17.69 AZP 90.61 TAL 183.81 TAP 263.57 RCA 80.17 APO 152.17 V2 34.834
 RC 44.099 GL -16.87 GP -2.38 ZAL 99.59 ZAP 3.64 ETS 138.97 ZAE 157.69 ETE 25.29 ZAC 94.40 ETC 13.79 CLP 2.76

PLANETOCENTRIC CONIC

C3 25.874 VHL 5.087 DLA -11.14 RAL 163.18 RAD 6568.0 VEL 12.135 PTH 2.17 VHP 10.825 DPA 4.31 RAP 172.55 ECC 1.4258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 38 1923.95 -11.62 23.86 27.05 116.00 6 17 42 1323.9 -8.03 17.02
 90.00 14 52 40 5273.99 27.01 238.49 32.81 81.15 16 20 34 4674.0 25.51 230.14
 100.00 7 1 23 1679.57 -12.78 5.30 26.45 117.25 7 29 22 1079.6 -9.03 358.52
 100.00 16 19 37 4993.60 28.29 217.62 32.57 79.91 17 42 50 4393.6 26.60 209.23
 110.00 7 56 57 1505.55 -15.83 350.35 24.71 120.70 8 22 2 905.6 -11.64 343.75
 110.00 17 40 32 4740.39 31.70 197.57 31.75 76.49 18 59 32 4140.4 29.52 189.05

DIFFERENTIAL CORRECTIONS

TDE .3938 TRA -.6215 TC3 .3357 BAU .1229
 RDE -.3476 RRA -.1341 RC3 .1163 FAU .02644
 FDE -.3992 FRA .2292 FC3 -.8847 BSP 2601
 BDE .5253 BRA .6358 BC3 .3552 FSP -217

MID-COURSE EXECUTION ACCURACY

SGT 906.9 SGR 437.0 SG3 89.9
 RRT -.0591 RRF .0639 RTF -.7364
 SGB 1006.7 R23 -.0072 R13 .7367
 SG1 907.4 SG2 436.0 THA 177.88

ORBIT DETERMINATION ACCURACY

ST 492.7 SR 394.2 SS 427.8
 CRT -.8431 CRS -.9557 CST .9616
 LSA 742.1 MSA 173.2 SSA 18.2
 EL1 607.1 EL2 172.0 ALF 142.46

LAUNCH DATE JUN 21 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 196.920

RL 152.02 LAL -.00 LOL 268.96 VL 24.832 GAL -1.84 AZL 93.40 HCA 82.93 SMA 117.52 ECC .29525 INC 3.4045 V1 29.306
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.209 GAP -16.65 AZP 90.42 TAL 184.40 TAP 267.34 RCA 82.82 APO 152.21 V2 34.842
 RC 44.820 GL -17.69 GP -2.52 ZAL 100.85 ZAP 2.66 ETS 108.48 ZAE 155.80 ETE 22.45 ZAC 93.20 ETC 13.74 CLP .86

PLANETOCENTRIC CONIC

C3 23.529 VHL 4.851 DLA -11.37 RAL 161.62 RAD 6568.0 VEL 12.038 PTH 2.15 VHP 10.230 DPA 3.67 RAP 173.66 ECC 1.3872
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 41 20 1892.88 -10.69 22.05 24.04 116.38 6 12 53 1292.9 -7.06 15.25
 90.00 14 44 33 5258.35 26.84 237.37 29.59 80.61 16 12 11 4658.4 25.27 229.06
 100.00 6 56 57 1648.94 -11.82 3.53 23.45 117.66 7 24 26 1048.9 -8.03 356.80
 100.00 16 11 37 4977.52 28.09 216.47 29.34 79.33 17 34 35 4377.5 26.33 208.11
 110.00 7 52 13 1475.87 -14.79 348.68 21.73 121.17 8 16 49 875.9 -10.56 342.14
 110.00 17 32 51 4723.36 31.42 196.32 28.50 75.79 18 51 34 4123.4 29.15 187.85

DIFFERENTIAL CORRECTIONS

TDE .3966 TRA -.5920 TC3 .4084 BAU .1341
 RDE -.3316 RRA -.1252 RC3 .1230 FAU .02831
 FDE -.4270 FRA .2138 FC3 -1.0415 BSP 2738
 BDE .5170 BRA .6051 BC3 .4265 FSP -246

MID-COURSE EXECUTION ACCURACY

SGT 940.9 SGR 436.4 SG3 100.1
 RRT -.0698 RRF .0755 RTF -.7527
 SGB 1037.1 R23 -.0087 R13 .7530
 SG1 941.5 SG2 435.0 THA 177.64

ORBIT DETERMINATION ACCURACY

ST 515.2 SR 394.3 SS 451.7
 CRT -.8554 CRS -.9623 CST .9615
 LSA 771.8 MSA 170.4 SSA 18.9
 EL1 626.7 EL2 167.9 ALF 143.78

LAUNCH DATE JUN 21 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 203.643

RL 152.02 LAL -.00 LOL 268.96 VL 25.074 GAL -1.98 AZL 93.36 HCA 86.10 SMA 118.79 ECC .28176 INC 3.3632 V1 29.306
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.384 GAP -15.65 AZP 90.23 TAL 185.06 TAP 271.16 RCA 85.32 APO 152.26 V2 34.851
 RC 45.690 GL -18.47 GP -2.68 ZAL 102.20 ZAP 2.89 ETS 67.60 ZAE 154.03 ETE 20.03 ZAC 92.05 ETC 13.70 CLP -1.08

PLANETOCENTRIC CONIC

C3 21.523 VHL 4.639 DLA -11.53 RAL 159.98 RAD 6567.9 VEL 11.954 PTH 2.13 VHP 9.661 DPA 3.03 RAP 174.72 ECC 1.3542
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 36 11 1865.73 -9.86 20.49 21.06 116.68 6 7 17 1265.7 -6.20 13.72
 90.00 14 36 39 5242.23 26.65 236.23 26.40 80.07 16 4 1 4642.2 25.01 227.95
 100.00 6 51 42 1622.11 -10.97 1.99 20.48 117.98 7 18 44 1022.1 -7.14 355.30
 100.00 16 3 49 4961.08 27.88 215.29 26.14 78.75 17 26 30 4361.1 26.04 206.97
 110.00 7 46 45 1449.71 -13.87 347.22 18.79 121.56 8 10 54 849.7 -9.59 340.73
 110.00 17 25 14 4706.25 31.13 195.08 25.28 75.11 18 43 41 4106.2 28.77 186.67

DIFFERENTIAL CORRECTIONS

TDE .3984 TRA -.5639 TC3 .4863 BAU .1447
 RDE -.3170 RRA -.1170 RC3 .1281 FAU .03038
 FDE -.4566 FRA .1961 FC3 -1.2220 BSP 2852
 BDE .5091 BRA .5759 BC3 .5028 FSP -278

MID-COURSE EXECUTION ACCURACY

SGT 975.1 SGR 435.0 SG3 111.5
 RRT -.0806 RRF .0883 RTF -.7668
 SGB 1067.7 R23 -.0113 R13 .7672
 SG1 975.9 SG2 433.2 THA 177.43

ORBIT DETERMINATION ACCURACY

ST 536.4 SR 394.1 SS 475.6
 CRT -.8665 CRS -.9682 CST .9610
 LSA 800.4 MSA 167.8 SSA 19.6
 EL1 645.2 EL2 163.5 ALF 144.94

LAUNCH DATE JUN 21 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 210.372

RL 152.02 LAL -.00 LOL 268.96 VL 25.296 GAL -2.11 AZL 93.32 HCA 89.28 SMA 119.98 ECC .26938 INC 3.3222 V1 29.306
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.546 GAP -14.69 AZP 90.04 TAL 185.76 TAP 275.04 RCA 87.66 APO 152.31 V2 34.860
 RC 46.700 GL -19.22 GP -2.86 ZAL 103.63 ZAP 4.20 ETS 42.39 ZAE 152.42 ETE 17.93 ZAC 90.95 ETC 13.68 CLP -3.08

PLANETOCENTRIC CONIC

C3 19.809 VHL 4.451 DLA -11.63 RAL 158.28 RAD 6567.8 VEL 11.882 PTH 2.11 VHP 9.118 DPA 2.39 RAP 175.72 ECC 1.3260
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 13 1842.64 -9.15 19.16 18.14 116.91 6 0 55 1242.6 -5.47 12.42
 90.00 14 29 4 5225.59 26.45 235.05 23.26 79.51 15 56 10 4625.6 24.74 226.81
 100.00 6 45 40 1599.20 -10.23 .69 17.57 118.24 7 12 19 999.2 -6.38 354.02
 100.00 15 56 18 4944.26 27.65 214.10 22.99 78.16 17 18 42 4344.3 25.74 205.82
 110.00 7 40 35 1427.20 -13.06 345.97 15.90 121.87 8 4 22 827.2 -8.76 339.52
 110.00 17 17 52 4689.02 30.82 193.83 22.10 74.43 18 36 1 4089.0 28.38 185.48

DIFFERENTIAL CORRECTIONS

TDE .4018 TRA -.5322 TC3 .5725 BAU .1555
 RDE -.3038 RRA -.1095 RC3 .1313 FAU .03278
 FDE -.4907 FRA .1735 FC3 -1.4328 BSP 3002
 BDE .5037 BRA .5433 BC3 .5873 FSP -317

MID-COURSE EXECUTION ACCURACY

SGT 1008.2 SGR 432.8 SG3 124.5
 RRT -.0966 RRF .1047 RTF -.7818
 SGB 1097.2 R23 -.0124 R13 .7823
 SG1 1009.2 SG2 430.4 THA 177.10

ORBIT DETERMINATION ACCURACY

ST 558.4 SR 393.5 SS 501.5
 CRT -.8792 CRS -.9740 CST .9613
 LSA 831.1 MSA 164.2 SSA 20.3
 EL1 664.7 EL2 157.5 ALF 146.05

LAUNCH DATE JUN 21 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 217.105

RL 152.02 LAL -0.00 LOL 268.96 VL 25.498 GAL -2.25 AZL 93.28 HCA 92.45 SMA 121.11 ECC .25807 INC 3.2813 V1 29.306
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.696 GAP -13.77 AZP 89.86 TAL 186.50 TAP 278.96 RCA 89.85 APO 152.36 V2 34.870
 RC 47.841 GL -19.91 GP -3.06 ZAL 105.12 ZAP 5.97 ETS 30.17 ZAE 151.00 ETE 16.07 ZAC 89.92 ETC 13.67 CLP -5.13

PLANETOCENTRIC CONIC

C3 18.346 VHL 4.283 DLA -11.66 RAL 156.55 RAD 6567.7 VEL 11.821 PTH 2.09 VHP 8.599 DPA 1.75 RAP 176.67 ECC 1.3019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 23 31 1823.60 -8.57 18.07 15.30 117.09 5 53 55 1223.6 -4.87 11.35
 90.00 14 21 54 5208.44 26.23 233.85 20.18 78.94 15 48 43 4608.4 24.44 225.63
 100.00 6 38 57 1580.22 -9.62 359.61 14.74 118.44 7 5 18 980.2 -5.75 352.97
 100.00 15 49 9 4927.05 27.40 212.88 19.91 77.56 17 11 16 4327.0 25.41 204.64
 110.00 7 33 50 1408.33 -12.38 344.93 13.09 122.12 7 57 19 808.3 -8.05 338.51
 110.00 17 10 45 4671.70 30.50 192.58 19.00 73.76 18 28 37 4071.7 27.97 184.30

DIFFERENTIAL CORRECTIONS

TDE .4035 TRA -.5019 TC3 .6621 BAU .1656
 RDE -.2919 RRA -.1026 RC3 .1319 FAU .03548
 FDE -.5273 FRA .1473 FC3 1.6745 BSP 3133
 BDE .4980 BRA .5123 BC3 .6751 FSP -360

MID-COURSE EXECUTION ACCURACY

SGT 1040.6 SGR 430.0 SG3 139.2
 RRT -.1129 RRF .1229 RTF -.7946
 SGB 1126.0 R23 -.0151 R13 .7951
 SG1 1042.0 SG2 426.7 THA 176.79

ORBIT DETERMINATION ACCURACY

ST 577.8 SR 392.8 SS 526.9
 CRT -.8903 CRS -.9791 CST .9610
 LSA 859.9 MSA 161.2 SSA 21.0
 EL1 682.0 EL2 151.5 ALF 146.98

LAUNCH DATE JUN 21 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 223.837

RL 152.02 LAL -0.00 LOL 268.96 VL 25.682 GAL -2.38 AZL 93.24 HCA 95.63 SMA 122.16 ECC .24777 INC 3.2401 V1 29.306
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.834 GAP -12.89 AZP 89.68 TAL 187.28 TAP 282.91 RCA 91.89 APO 152.43 V2 34.881
 RC 49.103 GL -20.53 GP -3.29 ZAL 106.64 ZAP 7.97 ETS 23.59 ZAE 149.78 ETE 14.40 ZAC 88.96 ETC 13.67 CLP -7.26

PLANETOCENTRIC CONIC

C3 17.099 VHL 4.135 DLA -11.62 RAL 154.80 RAD 6567.7 VEL 11.768 PTH 2.08 VHP 8.104 DPA 1.12 RAP 177.53 ECC 1.2814
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 16 13 1808.54 -8.10 17.21 12.55 117.23 5 46 21 1208.5 -4.38 10.50
 90.00 14 15 15 5190.77 26.00 232.61 17.20 78.36 15 41 46 4590.8 24.13 224.43
 100.00 6 31 40 1565.09 -9.13 358.76 11.99 118.59 6 57 45 965.1 -5.24 352.13
 100.00 15 42 28 4909.46 27.14 211.64 16.92 76.96 17 4 18 4309.5 25.07 203.45
 110.00 7 26 36 1393.05 -11.83 344.10 10.38 122.31 7 49 50 793.0 -7.48 337.70
 110.00 17 4 2 4654.27 30.16 191.34 16.00 73.09 18 21 36 4054.3 27.55 183.12

DIFFERENTIAL CORRECTIONS

TDE .4038 TRA -.4720 TC3 .7523 BAU .1745
 RDE -.2812 RRA -.0965 RC3 .1297 FAU .03851
 FDE -.5672 FRA .1171 FC3-1.9499 BSP 3238
 BDE .4920 BRA .4817 BC3 .7634 FSP -408

MID-COURSE EXECUTION ACCURACY

SGT 1070.4 SGR 426.6 SG3 155.7
 RRT -.1316 RRF .1439 RTF -.8056
 SGB 1152.3 R23 -.0185 R13 .8063
 SG1 1072.2 SG2 422.2 THA 176.45

ORBIT DETERMINATION ACCURACY

ST 594.5 SR 391.8 SS 552.4
 CRT -.9004 CRS -.9835 CST .9605
 LSA 886.8 MSA 158.6 SSA 21.6
 EL1 697.0 EL2 145.4 ALF 147.74

LAUNCH DATE JUN 21 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 230.566

RL 152.02 LAL -0.00 LOL 268.96 VL 25.850 GAL -2.51 AZL 93.20 HCA 98.81 SMA 123.14 ECC .23843 INC 3.1984 V1 29.306
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.961 GAP -12.04 AZP 89.51 TAL 188.09 TAP 286.90 RCA 93.78 APO 152.50 V2 34.891
 RC 50.476 GL -21.09 GP -3.54 ZAL 108.18 ZAP 10.10 ETS 19.61 ZAE 148.79 ETE 12.87 ZAC 88.08 ETC 13.68 CLP -9.47

PLANETOCENTRIC CONIC

C3 16.037 VHL 4.005 DLA -11.52 RAL 153.06 RAD 6567.6 VEL 11.723 PTH 2.07 VHP 7.632 DPA .49 RAP 178.31 ECC 1.2639
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 8 24 1797.33 -7.75 16.57 9.90 117.32 5 38 22 1197.3 -4.03 9.87
 90.00 14 9 10 5172.62 25.74 231.34 14.33 77.78 15 35 23 4572.6 23.80 223.21
 100.00 6 23 56 1553.68 -8.76 358.12 9.36 118.70 6 49 49 953.7 -4.86 351.50
 100.00 15 36 20 4891.50 26.86 210.38 14.05 76.35 16 57 52 4291.5 24.71 202.23
 110.00 7 19 0 1381.20 -11.39 343.45 7.78 122.45 7 42 1 781.2 -7.03 337.07
 110.00 16 57 45 4636.74 29.81 190.10 13.11 72.43 18 15 2 4036.7 27.12 181.94

DIFFERENTIAL CORRECTIONS

TDE .4035 TRA -.4420 TC3 .8439 BAU .1829
 RDE -.2717 RRA -.0911 RC3 .1239 FAU .04197
 FDE -.6117 FRA .0817 FC3-2.2659 BSP 3344
 BDE .4864 BRA .4513 BC3 .8529 FSP -463

MID-COURSE EXECUTION ACCURACY

SGT 1098.4 SGR 422.6 SG3 174.4
 RRT -.1539 RRF .1690 RTF -.8159
 SGB 1176.9 R23 -.0225 R13 .8168
 SG1 1100.7 SG2 416.7 THA 176.04

ORBIT DETERMINATION ACCURACY

ST 609.2 SR 390.7 SS 578.7
 CRT -.9099 CRS -.9874 CST .9600
 LSA 913.1 MSA 156.3 SSA 22.2
 EL1 710.3 EL2 139.0 ALF 148.38

LAUNCH DATE JUN 21 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 237.289

RL 152.02 LAL -0.00 LOL 268.96 VL 26.001 GAL -2.64 AZL 93.16 HCA 101.99 SMA 124.04 ECC .22998 INC 3.1560 V1 29.306
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.078 GAP -11.23 AZP 89.34 TAL 188.90 TAP 290.90 RCA 95.51 APO 152.57 V2 34.903
 RC 51.950 GL -21.57 GP -3.82 ZAL 109.71 ZAP 12.37 ETS 16.99 ZAE 148.03 ETE 11.43 ZAC 87.30 ETC 13.71 CLP -11.77

PLANETOCENTRIC CONIC

C3 15.133 VHL 3.890 DLA -11.35 RAL 151.35 RAD 6567.6 VEL 11.684 PTH 2.05 VHP 7.183 DPA -.12 RAP 179.00 ECC 1.2490
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 0 14 1789.73 -7.51 16.14 7.39 117.38 5 30 3 1189.7 -3.78 9.45
 90.00 14 3 44 5154.01 25.47 230.04 11.60 77.18 15 29 38 4554.0 23.45 221.96
 100.00 6 15 51 1545.76 -8.50 357.67 6.86 118.77 6 41 36 945.8 -4.59 351.06
 100.00 15 30 48 4873.21 26.56 209.10 11.30 75.75 16 52 1 4273.2 24.34 201.00
 110.00 7 11 8 1372.61 -11.08 342.98 5.30 122.55 7 34 1 772.6 -6.71 336.62
 110.00 16 52 0 4619.13 29.44 188.86 10.35 71.79 18 8 59 4019.1 26.67 180.77

DIFFERENTIAL CORRECTIONS

TDE .4018 TRA -.4126 TC3 .9340 BAU .1904
 RDE -.2632 RRA -.0864 RC3 .1141 FAU .04592
 FDE -.6605 FRA .0407 FC3-2.6273 BSP 3443
 BDE .4803 BRA .4215 BC3 .9409 FSP -527

MID-COURSE EXECUTION ACCURACY

SGT 1123.6 SGR 418.4 SG3 195.7
 RRT -.1796 RRF .1981 RTF -.8249
 SGB 1198.9 R23 -.0276 R13 .8260
 SG1 1126.5 SG2 410.5 THA 175.59

ORBIT DETERMINATION ACCURACY

ST 620.7 SR 389.6 SS 605.0
 CRT -.9184 CRS -.9905 CST .9592
 LSA 937.4 MSA 154.6 SSA 22.7
 EL1 720.7 EL2 132.7 ALF 148.86

LAUNCH DATE JUN 21 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 244.003

RL 152.02 LAL -1.00 LOL 268.96 VL 26.139 GAL -2.75 AZL 93.11 MCA 105.17 SMA 124.88 ECC .22238 INC 3.1126 V1 29.306
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.185 GAP -10.45 AZP 89.18 TAL 189.73 TAP 294.90 RCA 97.11 APO 152.65 V2 34.914
 RC 53.515 GL -21.97 GP -4.14 ZAL 111.22 ZAP 14.76 ETS 15.16 ZAE 147.52 ETE 10.07 ZAC 86.64 ETC 13.75 CLP -14.18

PLANETOCENTRIC CONIC

C3 14.363 VHL 3.790 DLA -11.13 RAL 149.70 RAD 6567.6 VEL 11.651 PTH 2.05 VHP 6.756 DPA -.73 RAP 179.57 ECC 1.2364
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 51 48 1785.47 -7.38 15.90 5.02 117.42 5 21 34 1185.5 -3.65 9.21
 90.00 13 58 58 5135.01 25.17 228.73 9.01 76.59 15 24 33 4535.0 23.08 220.69
 100.00 6 7 33 1541.07 -8.34 357.41 4.50 118.81 6 33 14 941.1 -4.44 350.80
 100.00 15 25 54 4854.63 26.24 207.81 8.71 75.14 16 46 49 4254.6 23.94 199.77
 110.00 7 3 8 1367.03 -10.88 342.68 2.97 122.61 7 25 55 767.0 -6.50 336.32
 110.00 16 46 49 4601.45 29.06 187.62 7.75 71.15 18 3 31 4001.4 26.21 179.60

DIFFERENTIAL CORRECTIONS

TOE .3989 TRA -.3838 TC3 1.0197 BAU .1967
 ROE -.2558 RRA -.0825 RC3 .0998 FAU .05040
 FDE -.7147 FRA -.0064 FC3-3.0380 BSP 3534
 BOE .4739 BRA .3925 BC3 1.0246 FSP -600

MID-COURSE EXECUTION ACCURACY

SGT 1144.9 SGR 414.0 SG3 219.8
 RRT -.2101 RRF .2326 RTF -.8329
 SGB 1217.5 R23 -.0336 R13 .8343
 SG1 1148.7 SG2 403.4 THA 175.04

ORBIT DETERMINATION ACCURACY

ST 629.1 SR 388.6 SS 632.0
 CRT -.9262 CRS -.9930 CST .9583
 LSA 960.3 MSA 153.5 SSA 23.1
 EL1 728.5 EL2 126.5 ALF 149.20

LAUNCH DATE JUN 21 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 250.705

RL 152.02 LAL -1.00 LOL 268.96 VL 26.262 GAL -2.86 AZL 93.07 MCA 108.36 SMA 125.64 ECC .21556 INC 3.0678 V1 29.306
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.283 GAP -9.70 AZP 89.03 TAL 190.54 TAP 298.90 RCA 98.56 APO 152.73 V2 34.926
 RC 55.163 GL -22.28 GP -4.51 ZAL 112.68 ZAP 17.30 ETS 13.82 ZAE 147.26 ETE 8.73 ZAC 86.10 ETC 13.79 CLP -16.72

PLANETOCENTRIC CONIC

C3 13.706 VHL 3.702 DLA -10.86 RAL 148.12 RAD 6567.5 VEL 11.623 PTH 2.04 VHP 6.351 DPA -1.33 RAP 180.01 ECC 1.2256
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 43 17 1784.21 -7.34 15.83 2.80 117.43 5 13 1 1184.2 -3.61 9.14
 90.00 13 54 56 5115.67 24.86 227.40 6.58 75.99 15 20 12 4515.7 22.69 219.40
 100.00 5 59 11 1539.30 -8.29 357.31 2.29 118.82 6 24 51 939.3 -4.38 350.70
 100.00 15 21 42 4835.81 25.90 206.51 6.28 74.53 16 42 18 4235.8 23.53 198.52
 110.00 6 55 7 1364.16 -10.77 342.52 .79 122.64 7 17 51 764.2 -6.39 336.17
 110.00 16 42 16 4583.72 28.66 186.39 5.31 70.52 17 58 40 3983.7 25.74 178.44

DIFFERENTIAL CORRECTIONS

TOE .3937 TRA -.3565 TC3 1.0969 BAU .2015
 ROE -.2492 RRA -.0794 RC3 .0803 FAU .05547
 FDE -.7736 FRA -.0600 FC3-3.5038 BSP 3596
 BOE .4660 BRA .3652 BC3 1.0998 FSP -683

MID-COURSE EXECUTION ACCURACY

SGT 1160.3 SGR 409.8 SG3 247.0
 RRT -.2448 RRF .2725 RTF -.8391
 SGB 1230.6 R23 -.0413 R13 .8409
 SG1 1165.2 SG2 395.7 THA 174.41

ORBIT DETERMINATION ACCURACY

ST 632.7 SR 387.5 SS 658.5
 CRT -.9326 CRS -.9949 CST .9570
 LSA 979.8 MSA 153.3 SSA 23.4
 EL1 732.0 EL2 120.9 ALF 149.34

LAUNCH DATE JUN 21 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 257.394

RL 152.02 LAL -1.00 LOL 268.96 VL 26.373 GAL -2.97 AZL 93.02 MCA 111.55 SMA 126.34 ECC .20947 INC 3.0213 V1 29.306
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.373 GAP -8.98 AZP 88.89 TAL 191.33 TAP 302.88 RCA 99.88 APO 152.81 V2 34.938
 RC 56.885 GL -22.51 GP -4.92 ZAL 114.09 ZAP 19.98 ETS 12.82 ZAE 147.27 ETE 7.39 ZAC 85.70 ETC 13.84 CLP -19.39

PLANETOCENTRIC CONIC

C3 13.144 VHL 3.625 DLA -10.54 RAL 146.64 RAD 6567.5 VEL 11.599 PTH 2.03 VHP 5.968 DPA -1.91 RAP 180.31 ECC 1.2163
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 34 45 1785.64 -7.38 15.91 .75 117.42 5 4 31 1185.6 -3.65 9.22
 90.00 13 51 37 5096.04 24.53 226.06 4.33 75.40 15 16 34 4496.0 22.29 218.10
 100.00 5 50 51 1540.14 -8.31 357.36 .25 118.82 6 16 31 940.1 -4.41 350.75
 100.00 15 18 13 4816.77 25.55 205.21 4.02 73.93 16 38 30 4216.8 23.10 197.27
 110.00 6 47 11 1363.73 -10.75 342.50 358.78 122.64 7 9 55 763.7 -6.38 336.15
 110.00 16 38 22 4565.95 28.25 185.17 3.03 69.90 17 54 28 3966.0 25.25 177.28

DIFFERENTIAL CORRECTIONS

TOE .3894 TRA -.3283 TC3 1.1719 BAU .2061
 ROE -.2437 RRA -.0772 RC3 .0547 FAU .06137
 FDE -.8420 FRA -.1239 FC3-4.0421 BSP 3701
 BOE .4594 BRA .3372 BC3 1.1731 FSP -783

MID-COURSE EXECUTION ACCURACY

SGT 1174.4 SGR 406.6 SG3 278.6
 RRT -.2886 RRF .3210 RTF -.8460
 SGB 1242.8 R23 -.0491 R13 .8484
 SG1 1180.9 SG2 387.1 THA 173.60

ORBIT DETERMINATION ACCURACY

ST 635.9 SR 387.0 SS 688.2
 CRT -.9391 CRS -.9963 CST .9561
 LSA 1001.9 MSA 153.2 SSA 23.5
 EL1 735.5 EL2 115.0 ALF 149.42

LAUNCH DATE JUN 21 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 264.069

RL 152.02 LAL -1.00 LOL 268.96 VL 26.473 GAL -3.06 AZL 92.97 MCA 114.74 SMA 126.98 ECC .20406 INC 2.9726 V1 29.306
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.455 GAP -8.28 AZP 88.76 TAL 192.10 TAP 306.84 RCA 101.07 APO 152.89 V2 34.951
 RC 58.673 GL -22.66 GP -5.38 ZAL 115.43 ZAP 22.83 ETS 12.05 ZAE 147.56 ETE 6.00 ZAC 85.47 ETC 13.89 CLP -22.22

PLANETOCENTRIC CONIC

C3 12.661 VHL 3.558 DLA -10.18 RAL 145.27 RAD 6567.5 VEL 11.578 PTH 2.02 VHP 5.606 DPA -2.49 RAP 180.45 ECC 1.2084
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 26 22 1789.40 -7.50 16.12 358.88 117.39 4 56 11 1189.4 -3.77 9.43
 90.00 13 49 4 5076.18 24.18 224.70 2.25 74.80 15 13 40 4476.2 21.86 216.80
 100.00 5 42 39 1543.25 -8.42 357.53 358.39 118.79 6 8 23 943.2 -4.51 350.92
 100.00 15 15 27 4797.56 25.18 203.90 1.94 73.34 16 35 25 4197.6 22.66 196.01
 110.00 6 39 27 1365.42 -10.82 342.59 356.94 122.63 7 2 12 765.4 -6.44 336.24
 110.00 16 35 9 4548.16 27.83 183.96 .94 69.30 17 50 57 3948.2 24.76 176.14

DIFFERENTIAL CORRECTIONS

TOE .3801 TRA -.3046 TC3 1.2263 BAU .2076
 ROE -.2389 RRA -.0757 RC3 .0230 FAU .06791
 FDE -.9137 FRA -.1928 FC3-4.6432 BSP 3720
 BOE .4490 BRA .3139 BC3 1.2266 FSP -891

MID-COURSE EXECUTION ACCURACY

SGT 1176.7 SGR 404.5 SG3 313.7
 RRT -.3350 RRF .3753 RTF -.8490
 SGB 1244.3 R23 -.0615 R13 .8522
 SG1 1185.3 SG2 378.4 THA 172.68

ORBIT DETERMINATION ACCURACY

ST 630.6 SR 386.5 SS 715.7
 CRT -.9433 CRS -.9971 CST .9540
 LSA 1017.2 MSA 154.5 SSA 23.5
 EL1 731.3 EL2 110.7 ALF 149.18

LAUNCH DATE JUN 21 1967

FLIGHT TIME 102.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 270.726

RL 152.02 LAL -.00 LOL 268.96 VL 26.561 GAL -3.14 AZL 92.92 HCA 117.93 SMA 127.55 ECC .19927 INC 2.9214 V1 29.306
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.529 GAP -7.61 AZP 88.63 TAL 192.82 TAP 310.75 RCA 102.13 APO 152.97 V2 34.964
 RC 60.521 GL -22.72 GP -5.91 ZAL 116.68 ZAP 25.86 ETS 11.44 ZAE 148.13 ETE 4.52 ZAC 85.43 ETC 13.95 CLP -25.22

PLANETOCENTRIC CONIC

C3 12.243 VHL 3.499 DLA -9.79 RAL 144.02 RAD 6567.5 VEL 11.560 PTH 2.02 VHP 5.266 DPA -3.05 RAP 180.40 ECC 1.2015
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 18 10 1795.21 -7.68 16.45 357.18 117.34 4 48 5 1195.2 -3.96 9.75
 90.00 13 47 16 5056.08 23.82 223.34 .36 74.22 15 11 32 4456.1 21.43 215.49
 100.00 5 34 41 1548.34 -8.58 357.82 356.70 118.74 6 0 30 948.3 -4.68 351.20
 100.00 15 13 26 4778.18 24.80 202.59 .04 72.75 16 33 4 4178.2 22.20 194.75
 110.00 6 31 58 1368.97 -10.95 342.78 355.27 122.59 6 54 47 769.0 -6.57 336.42
 110.00 16 32 38 4530.31 27.39 182.76 359.03 68.70 17 48 8 3930.3 24.25 175.00

DIFFERENTIAL CORRECTIONS

TDE .3682 TRA -.2835 TC3 1.2649 BAU .2071
 RDE -.2350 RRA -.0752 RC3 -.0163 FAU .07530
 FDE -.9918 FRA -.2697 FC3-5.3245 BSP 3711
 BDE .4368 BRA .2932 BC3 1.2650 FSP -1014

MID-COURSE EXECUTION ACCURACY

SGT 1170.0 SGR 404.7 SG3 353.3
 RRT -.3870 RRF .4371 RTF -.8499
 SGB 1238.0 R23 -.0777 R13 .8544
 SG1 1181.6 SG2 369.5 THA 171.54

ORBIT DETERMINATION ACCURACY

ST 619.8 SR 386.6 SS 743.2
 CRT -.9461 CRS -.9976 CST .9513
 LSA 1030.0 MSA 156.5 SSA 23.3
 EL1 722.6 EL2 107.4 ALF 148.69

LAUNCH DATE JUN 21 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 277.365

RL 152.02 LAL -.00 LOL 268.96 VL 26.639 GAL -3.22 AZL 92.87 HCA 121.12 SMA 128.06 ECC .19505 INC 2.8669 V1 29.306
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.596 GAP -6.96 AZP 88.52 TAL 193.50 TAP 314.62 RCA 103.08 APO 153.04 V2 34.977
 RC 62.420 GL -22.71 GP -6.52 ZAL 117.84 ZAP 29.09 ETS 10.96 ZAE 148.99 ETE 2.88 ZAC 85.59 ETC 13.99 CLP -28.42

PLANETOCENTRIC CONIC

C3 11.878 VHL 3.446 DLA -9.36 RAL 142.89 RAD 6567.5 VEL 11.544 PTH 2.01 VHP 4.948 DPA -3.60 RAP 180.15 ECC 1.1955
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 10 16 1802.79 -7.92 16.88 355.66 117.28 4 40 18 1202.8 -4.20 10.18
 90.00 13 46 13 5035.72 23.44 221.98 358.64 73.63 15 10 9 4435.7 20.97 214.17
 100.00 5 27 1 1555.16 -8.81 358.20 355.18 118.68 5 52 56 955.2 -4.91 351.58
 100.00 15 12 9 4758.58 24.40 201.27 358.32 72.17 16 31 28 4158.6 21.73 193.49
 110.00 6 24 50 1374.14 -11.14 343.07 353.78 122.53 6 47 44 774.1 -6.77 336.70
 110.00 16 30 50 4512.36 26.94 181.55 357.30 68.12 17 46 2 3912.4 23.73 173.86

DIFFERENTIAL CORRECTIONS

TDE .3537 TRA -.2654 TC3 1.2838 BAU .2041
 RDE -.2318 RRA -.0755 RC3 -.0639 FAU .08358
 FDE -1.0763 FRA -.3547 FC3-6.0916 BSP 3673
 BDE .4229 BRA .2759 BC3 1.2854 FSP -1154

MID-COURSE EXECUTION ACCURACY

SGT 1152.7 SGR 408.2 SG3 397.7
 RRT -.4435 RRF .5059 RTF -.8482
 SGB 1222.9 R23 -.0990 R13 .8547
 SG1 1168.4 SG2 361.0 THA 170.12

ORBIT DETERMINATION ACCURACY

ST 603.7 SR 387.3 SS 770.6
 CRT -.9475 CRS -.9978 CST .9478
 LSA 1040.4 MSA 159.2 SSA 23.0
 EL1 709.5 EL2 105.4 ALF 147.92

LAUNCH DATE JUN 21 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 283.986

RL 152.02 LAL -.00 LOL 268.96 VL 26.708 GAL -3.28 AZL 92.81 HCA 124.32 SMA 128.52 ECC .19135 INC 2.8087 V1 29.306
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.657 GAP -6.34 AZP 88.42 TAL 194.11 TAP 318.44 RCA 103.93 APO 153.11 V2 34.990
 RC 64.367 GL -22.61 GP -7.21 ZAL 118.91 ZAP 32.55 ETS 10.55 ZAE 150.16 ETE .99 ZAC 85.97 ETC 14.02 CLP -31.83

PLANETOCENTRIC CONIC

C3 11.555 VHL 3.399 DLA -8.90 RAL 141.91 RAD 6567.4 VEL 11.530 PTH 2.01 VHP 4.652 DPA -4.14 RAP 179.67 ECC 1.1902
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 2 41 1811.94 -8.20 17.41 354.32 117.20 4 32 52 1211.9 -4.49 10.69
 90.00 13 45 57 5015.02 23.03 220.59 357.11 73.06 15 9 32 4415.0 20.49 212.84
 100.00 5 19 41 1563.51 -9.08 358.67 353.85 118.60 5 45 44 963.5 -5.19 352.04
 100.00 15 11 38 4738.68 23.97 199.94 356.78 71.59 16 30 37 4138.7 21.24 192.22
 110.00 6 18 3 1380.75 -11.38 343.42 352.47 122.45 6 41 4 780.8 -7.02 337.05
 110.00 16 29 46 4494.21 26.48 180.35 355.75 67.54 17 44 40 3894.2 23.20 172.72

DIFFERENTIAL CORRECTIONS

TDE .3378 TRA -.2492 TC3 1.2855 BAU .1995
 RDE -.2296 RRA -.0771 RC3 -.1220 FAU .09296
 FDE -1.1695 FRA -.4507 FC3-6.9647 BSP 3636
 BDE .4085 BRA .2608 BC3 1.2913 FSP -1318

MID-COURSE EXECUTION ACCURACY

SGT 1126.4 SGR 417.1 SG3 448.1
 RRT -.5044 RRF .5810 RTF -.8446
 SGB 1201.1 R23 -.1254 R13 .8543
 SG1 1147.9 SG2 353.4 THA 168.30

ORBIT DETERMINATION ACCURACY

ST 584.1 SR 389.1 SS 799.7
 CRT -.9479 CRS -.9978 CST .9437
 LSA 1051.3 MSA 161.9 SSA 22.5
 EL1 694.0 EL2 104.3 ALF 146.89

LAUNCH DATE JUN 21 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 290.586

RL 152.02 LAL -.00 LOL 268.96 VL 26.768 GAL -3.33 AZL 92.75 HCA 127.52 SMA 128.92 ECC .18812 INC 2.7457 V1 29.306
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.712 GAP -6.34 AZP 88.33 TAL 194.67 TAP 322.19 RCA 104.67 APO 153.17 V2 35.003
 RC 66.356 GL -22.42 GP -8.00 ZAL 119.87 ZAP 36.25 ETS 10.20 ZAE 151.62 ETE 358.74 ZAC 86.60 ETC 14.03 CLP -35.48

PLANETOCENTRIC CONIC

C3 11.264 VHL 3.356 DLA -8.41 RAL 141.07 RAD 6567.4 VEL 11.517 PTH 2.01 VHP 4.379 DPA -4.68 RAP 178.93 ECC 1.1854
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 55 27 1822.52 -8.53 18.01 353.15 117.10 4 25 49 1222.5 -4.83 11.28
 90.00 13 46 29 4993.87 22.60 219.19 355.75 72.48 15 9 43 4393.9 20.00 211.49
 100.00 5 12 43 1573.24 -9.39 359.22 352.69 118.51 5 38 56 973.2 -5.52 352.58
 100.00 15 11 54 4718.37 23.53 198.60 355.42 71.01 16 30 33 4118.4 20.72 190.93
 110.00 6 11 40 1388.65 -11.67 343.86 351.34 122.36 6 34 49 788.6 -7.31 337.47
 110.00 16 29 26 4475.73 25.99 179.13 354.38 66.97 17 44 2 3875.7 22.64 171.57

DIFFERENTIAL CORRECTIONS

TDE .3167 TRA -.2389 TC3 1.2547 BAU .1911
 RDE -.2282 RRA -.0795 RC3 -.1912 FAU .10316
 FDE -1.2637 FRA -.5502 FC3-7.9286 BSP 3515
 BDE .3903 BRA .2518 BC3 1.2692 FSP -1493

MID-COURSE EXECUTION ACCURACY

SGT 1082.4 SGR 432.5 SG3 502.9
 RRT -.5599 RRF .6569 RTF -.8344
 SGB 1165.6 R23 -.1632 R13 .8498
 SG1 1112.2 SG2 348.7 THA 165.99

ORBIT DETERMINATION ACCURACY

ST 555.2 SR 391.7 SS 825.5
 CRT -.9454 CRS -.9977 CST .9371
 LSA 1056.0 MSA 165.5 SSA 22.0
 EL1 671.2 EL2 105.6 ALF 145.32

LAUNCH DATE JUN 21 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 297.166

RL 152.02 LAL -1.00 LOL 268.96 VL 26.820 GAL -3.38 AZL 92.68 HCA 130.72 SMA 129.27 ECC .18533 INC 2.6771 V1 29.306
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.761 GAP -5.15 AZP 88.25 TAL 195.15 TAP 325.87 RCA 105.31 APO 153.23 V2 35.016
 RC 68.382 GL -22.15 GP -8.91 ZAL 120.73 ZAP 40.22 ETS 9.87 ZAE 153.37 ETE 355.96 ZAC 87.51 ETC 14.00 CLP -39.38

PLANETOCENTRIC CONIC

C3 10.997 VHL 3.316 DLA -7.88 RAL 140.38 RAD 6567.4 VEL 11.506 PTH 2.00 VHP 4.129 DPA -5.22 RAP 177.92 ECC 1.1810
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 48 34 1834.47 -8.90 18.69 352.16 116.99 4 19 8 1234.5 -5.21 11.96
 90.00 13 47 51 4972.04 22.15 217.75 354.56 71.89 15 10 43 4372.0 19.47 210.10
 100.00 5 6 7 1584.31 -9.75 359.85 351.71 118.40 5 32 31 984.3 -5.89 353.19
 100.00 15 13 0 4697.43 23.06 197.22 354.23 70.43 16 31 17 4097.4 20.18 189.60
 110.00 6 5 41 1397.78 -12.00 344.35 350.37 122.25 6 28 59 797.8 -7.66 337.95
 110.00 16 29 54 4456.73 25.48 177.89 353.18 66.40 17 44 11 3856.7 22.07 170.40

DIFFERENTIAL CORRECTIONS

TDE .2921 TRA -.2334 TC3 1.1934 BAU .1800
 RDE -.2276 RRA -.0831 RC3 -.2740 FAU .11428
 FDE-1.3599 FRA -.6535 FC3-8.9964 BSP 3341
 BDE .3703 BRA .2477 BC3 1.2245 FSP -1682

MID-COURSE EXECUTION ACCURACY

SGT 1023.2 SGR 456.8 SG3 562.7
 RRT -.6063 RRF .7306 RTF -.8170
 SGB 1120.5 R23 -.2127 R13 .8425
 SG1 1064.8 SG2 349.0 THA 162.97

ORBIT DETERMINATION ACCURACY

ST 519.8 SR 395.6 SS 849.4
 CRT -.9398 CRS -.9975 CST .9278
 LSA 1057.9 MSA 169.4 SSA 21.5
 EL1 644.1 EL2 109.1 ALF 143.20

LAUNCH DATE JUN 21 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 303.724

RL 152.02 LAL -1.00 LOL 268.96 VL 26.864 GAL -3.41 AZL 92.60 HCA 133.93 SMA 129.57 ECC .18293 INC 2.6015 V1 29.306
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.805 GAP -4.59 AZP 88.19 TAL 195.56 TAP 329.48 RCA 105.87 APO 153.27 V2 35.029
 RC 70.443 GL -21.79 GP -9.95 ZAL 121.49 ZAP 44.45 ETS 9.53 ZAE 155.38 ETE 352.38 ZAC 88.70 ETC 13.92 CLP -43.56

PLANETOCENTRIC CONIC

C3 10.748 VHL 3.278 DLA -7.31 RAL 139.84 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 3.904 DPA -5.77 RAP 176.62 ECC 1.1769
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 42 0 1847.89 -9.32 19.46 351.34 116.86 4 12 48 1247.9 -5.64 12.71
 90.00 13 50 6 4949.22 21.66 216.26 353.54 71.30 15 12 36 4349.2 18.91 208.67
 100.00 4 59 51 1596.78 -10.16 .55 350.90 118.27 5 26 27 996.8 -6.30 353.89
 100.00 15 14 57 4675.56 22.55 195.79 353.20 69.84 16 32 53 4075.6 19.60 188.24
 110.00 6 0 5 1408.19 -12.38 344.92 349.58 122.12 6 23 33 808.2 -8.05 338.50
 110.00 16 31 13 4436.92 24.93 176.61 352.14 65.82 17 45 10 3836.9 21.45 169.19

DIFFERENTIAL CORRECTIONS

TDE .2655 TRA -.2307 TC3 1.1036 BAU .1674
 RDE -.2281 RRA -.0880 RC3 -.3741 FAU .12639
 FDE-1.4584 FRA -.7646 FC-10.1811 BSP 3178
 BDE .3501 BRA .2470 BC3 1.1652 FSP -1902

MID-COURSE EXECUTION ACCURACY

SGT 950.9 SGR 493.2 SG3 628.3
 RRT -.6385 RRF .7983 RTF -.7904
 SGB 1071.2 R23 -.2711 R13 .8347
 SG1 1009.8 SG2 357.4 THA 158.91

ORBIT DETERMINATION ACCURACY

ST 480.3 SR 401.5 SS 873.0
 CRT -.9309 CRS -.9974 CST .9152
 LSA 1060.0 MSA 173.0 SSA 20.8
 EL1 615.5 EL2 114.5 ALF 140.48

LAUNCH DATE JUN 21 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 310.261

RL 152.02 LAL -1.00 LOL 268.96 VL 26.902 GAL -3.43 AZL 92.52 HCA 137.13 SMA 129.82 ECC .18088 INC 2.5172 V1 29.306
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.844 GAP -4.04 AZP 88.15 TAL 195.88 TAP 333.02 RCA 106.34 APO 153.30 V2 35.042
 RC 72.534 GL -21.34 GP -11.13 ZAL 122.15 ZAP 48.97 ETS 9.17 ZAE 157.59 ETE 347.61 ZAC 90.18 ETC 13.77 CLP -48.01

PLANETOCENTRIC CONIC

C3 10.508 VHL 3.242 DLA -6.70 RAL 139.46 RAD 6567.4 VEL 11.485 PTH 2.00 VHP 3.704 DPA -6.35 RAP 175.01 ECC 1.1729
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 35 43 1862.92 -9.78 20.32 350.69 116.71 4 6 46 1262.9 -6.11 13.56
 90.00 13 53 20 4925.02 21.12 214.69 352.68 70.69 15 15 25 4325.0 18.30 207.15
 100.00 4 53 52 1610.83 -10.61 1.35 350.26 118.11 5 20 43 1010.8 -6.77 354.67
 100.00 15 17 53 4652.36 22.00 194.29 352.33 69.24 16 35 25 4052.4 18.98 186.80
 110.00 5 54 49 1420.00 -12.80 345.57 348.96 121.97 6 18 29 820.0 -8.49 339.13
 110.00 16 33 25 4415.94 24.34 175.27 351.26 65.22 17 47 1 3815.9 20.79 167.92

DIFFERENTIAL CORRECTIONS

TDE .2333 TRA -.2358 TC3 .9660 BAU .1523
 RDE -.2292 RRA -.0937 RC3 -.4917 FAU .13867
 FDE-1.5427 FRA -.8642 FC-11.4247 BSP 2931
 BDE .3270 BRA .2537 BC3 1.0839 FSP -2117

MID-COURSE EXECUTION ACCURACY

SGT 859.2 SGR 541.7 SG3 694.8
 RRT -.6374 RRF .8544 RTF -.7407
 SGB 1015.8 R23 -.3394 R13 .8244
 SG1 941.6 SG2 380.9 THA 153.43

ORBIT DETERMINATION ACCURACY

ST 431.5 SR 408.2 SS 887.9
 CRT -.9133 CRS -.9974 CST .8941
 LSA 1053.3 MSA 177.2 SSA 20.2
 EL1 581.0 EL2 123.5 ALF 136.74

LAUNCH DATE JUN 21 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 316.775

RL 152.02 LAL -1.00 LOL 268.96 VL 26.932 GAL -3.44 AZL 92.42 HCA 140.34 SMA 130.03 ECC .17916 INC 2.4219 V1 29.306
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.878 GAP -3.52 AZP 88.13 TAL 196.13 TAP 336.47 RCA 106.74 APO 153.33 V2 35.056
 RC 74.652 GL -20.76 GP -12.49 ZAL 122.71 ZAP 53.76 ETS 8.73 ZAE 159.89 ETE 341.05 ZAC 91.96 ETC 13.53 CLP -52.74

PLANETOCENTRIC CONIC

C3 10.272 VHL 3.205 DLA -6.01 RAL 139.23 RAD 6567.4 VEL 11.474 PTH 1.99 VHP 3.531 DPA -6.97 RAP 173.08 ECC 1.1691
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 29 36 1879.95 -10.30 21.31 350.21 116.52 4 0 56 1280.0 -6.65 14.52
 90.00 13 57 41 4898.83 20.52 213.00 351.97 70.05 15 19 20 4298.8 17.62 205.53
 100.00 4 48 6 1626.75 -11.12 2.26 349.78 117.93 5 15 12 1026.8 -7.30 355.55
 100.00 15 21 53 4627.27 21.39 192.68 351.62 68.60 16 39 0 4027.3 18.29 185.25
 110.00 5 49 49 1433.52 -13.29 346.32 348.51 121.79 6 13 42 833.5 -8.99 339.86
 110.00 16 36 39 4393.26 23.69 173.84 350.54 64.60 17 49 52 3793.3 20.07 166.56

DIFFERENTIAL CORRECTIONS

TDE .1977 TRA -.2457 TC3 .7853 BAU .1384
 RDE -.2307 RRA -.1002 RC3 -.6314 FAU .15100
 FDE-1.6097 FRA -.9543 FC-12.7260 BSP 2692
 BDE .3038 BRA .2654 BC3 1.0076 FSP -2336

MID-COURSE EXECUTION ACCURACY

SGT 757.2 SGR 605.3 SG3 761.9
 RRT -.5890 RRF .8988 RTF -.6537
 SGB 969.4 R23 -.3948 R13 .8220
 SG1 871.2 SG2 425.2 THA 145.49

ORBIT DETERMINATION ACCURACY

ST 377.8 SR 416.1 SS 895.0
 CRT -.8829 CRS -.9974 CST .8596
 LSA 1041.0 MSA 181.2 SSA 19.5
 EL1 545.5 EL2 135.3 ALF 131.87

LAUNCH DATE JUN 21 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 323.268

RL 152.02 LAL -0.00 LOL 268.96 VL 26.957 GAL -3.44 AZL 92.31 HCA 143.55 SMA 130.20 ECC .17772 INC 2.3128 V1 29.306
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.908 GAP -3.00 AZP 88.14 TAL 196.29 TAP 339.85 RCA 107.06 APO 153.34 V2 35.069
 RC 76.795 GL -20.05 GP -14.03 ZAL 123.17 ZAP 58.82 ETS 8.20 ZAE 162.07 ETE 331.89 ZAC 94.02 ETC 13.17 CLP -57.74

PLANETOCENTRIC CONIC

C3 10.035 VHL 3.168 DLA -5.24 RAL 139.18 RAD 6567.4 VEL 11.464 PTH 1.99 VHP 3.387 DPA -7.67 RAP 170.84 ECC 1.1652
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 23 31 1899.61 -10.89 22.44 349.90 116.30 3 55 10 1299.6 -7.27 15.64
 90.00 14 3 20 4869.83 19.84 211.15 351.41 69.37 15 24 30 4269.8 16.86 203.74
 100.00 4 42 23 1645.18 -11.70 3.31 349.48 117.70 5 9 48 1045.2 -7.90 356.58
 100.00 15 27 9 4599.49 20.69 190.91 351.06 67.93 16 43 49 3999.5 17.51 183.56
 110.00 5 44 58 1449.26 -13.85 347.19 348.23 121.57 6 9 7 849.3 -9.57 340.70
 110.00 16 41 4 4368.18 22.94 172.27 349.97 63.94 17 53 52 3768.2 19.25 165.07

DIFFERENTIAL CORRECTIONS

TDE .1611 TRA -.2594 TC3 .5622 BAU .1311
 RDE -.2330 RRA -.1078 RC3 -.7989 FAU .16312
 FDE-1.6586 FRA-1.0326 FC-14.0722 BSP 2549
 BDE .2832 BRA .2809 BC3 .9769 FSP -2565

MID-COURSE EXECUTION ACCURACY

SGT 658.6 SGR 687.1 SG3 828.7
 RRT -.4660 RRF .9323 RTF -.5012
 SGB 951.7 R23 -.3832 R13 .8532
 SG1 815.2 SG2 491.1 THA 132.40

ORBIT DETERMINATION ACCURACY

ST 324.0 SR 425.7 SS 896.6
 CRT -.8311 CRS -.9976 CST .8032
 LSA 1027.3 MSA 185.1 SSA 18.8
 EL1 513.7 EL2 149.3 ALF 125.80

LAUNCH DATE JUN 21 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 329.739

RL 152.02 LAL -0.00 LOL 268.96 VL 26.976 GAL -3.43 AZL 92.19 HCA 146.77 SMA 130.34 ECC .17654 INC 2.1855 V1 29.306
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.933 GAP -2.51 AZP 88.17 TAL 196.37 TAP 343.14 RCA 107.33 APO 153.35 V2 35.082
 RC 78.958 GL -19.16 GP -15.80 ZAL 123.54 ZAP 64.09 ETS 7.52 ZAE 163.77 ETE 319.28 ZAC 96.34 ETC 12.65 CLP -62.99

PLANETOCENTRIC CONIC

C3 9.792 VHL 3.129 DLA -4.35 RAL 139.30 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 3.273 DPA -8.49 RAP 168.30 ECC 1.1611
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 17 14 1922.80 -11.59 23.79 349.78 116.02 3 49 17 1322.8 -8.00 16.95
 90.00 14 10 35 4836.87 19.04 209.06 351.01 68.63 15 31 12 4236.9 15.96 201.73
 100.00 4 36 33 1666.98 -12.39 4.57 349.37 117.42 5 4 20 1067.0 -8.62 357.81
 100.00 15 33 58 4567.93 19.87 188.93 350.65 67.19 16 50 6 3967.9 16.61 181.65
 110.00 5 40 7 1467.97 -14.52 348.23 348.14 121.29 6 4 35 868.0 -10.27 341.71
 110.00 16 46 53 4339.70 22.08 170.50 349.56 63.22 17 59 13 3739.7 18.31 163.40

DIFFERENTIAL CORRECTIONS

TDE .1213 TRA -.2786 TC3 .2811 BAU .1352
 RDE -.2340 RRA -.1149 RC3 -.9938 FAU .17348
 FDE-1.6577 FRA-1.0751 FC-15.3382 BSP 2526
 BDE .2636 BRA .3014 BC3 1.0328 FSP -2757

MID-COURSE EXECUTION ACCURACY

SGT 584.9 SGR 784.2 SG3 886.4
 RRT -.2107 RRF .9555 RTF -.2255
 SGB 978.3 R23 -.1820 R13 .9384
 SG1 803.5 SG2 558.0 THA 107.65

ORBIT DETERMINATION ACCURACY

ST 270.1 SR 433.5 SS 878.2
 CRT -.7308 CRS -.9977 CST .6973
 LSA 998.0 MSA 189.1 SSA 18.2
 EL1 483.2 EL2 165.4 ALF 118.05

LAUNCH DATE JUN 21 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 336.187

RL 152.02 LAL -0.00 LOL 268.96 VL 26.990 GAL -3.41 AZL 92.03 HCA 149.98 SMA 130.43 ECC .17561 INC 2.0344 V1 29.306
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.955 GAP -2.03 AZP 88.24 TAL 196.37 TAP 346.35 RCA 107.53 APO 153.34 V2 35.094
 RC 81.139 GL -18.04 GP -17.84 ZAL 123.83 ZAP 69.52 ETS 6.65 ZAE 164.47 ETE 303.28 ZAC 98.87 ETC 11.93 CLP -68.44

PLANETOCENTRIC CONIC

C3 9.537 VHL 3.088 DLA -3.27 RAL 139.62 RAD 6567.3 VEL 11.442 PTH 1.98 VHP 3.191 DPA -9.49 RAP 165.49 ECC 1.1569
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 28 1951.04 -12.43 25.44 349.85 115.65 3 43 0 1351.0 -8.87 18.56
 90.00 14 19 53 4798.24 18.06 206.65 350.76 67.81 15 39 51 4198.2 14.89 199.40
 100.00 4 30 17 1693.57 -13.22 6.11 349.45 117.06 4 58 31 1093.6 -9.49 359.31
 100.00 15 42 45 4530.94 18.87 186.63 350.40 66.38 16 58 16 3930.9 15.52 179.44
 110.00 5 55 1 1490.91 -15.32 349.52 348.24 120.94 5 59 52 890.9 -11.11 342.95
 110.00 16 54 30 4306.36 21.04 168.47 349.29 62.42 18 6 17 3706.4 17.19 161.47

DIFFERENTIAL CORRECTIONS

TDE .0831 TRA -.2997 TC3 -.0487 BAU .1564
 RDE -.2340 RRA -.1220 RC3-1.2260 FAU .18199
 FDE-1.6129 FRA-1.0876 FC-16.5213 BSP 2768
 BDE .2483 BRA .3236 BC3 1.2270 FSP -2929

MID-COURSE EXECUTION ACCURACY

SGT 578.6 SGR 901.8 SG3 935.2
 RRT .1573 RRF .9716 RTF .1550
 SGB 1071.5 R23 .0983 R13 .9666
 SG1 909.4 SG2 566.7 THA 80.53

ORBIT DETERMINATION ACCURACY

ST 227.4 SR 440.0 SS 846.0
 CRT -.5555 CRS -.9979 CST .5160
 LSA 961.0 MSA 192.9 SSA 17.7
 EL1 461.3 EL2 180.4 ALF 109.04

LAUNCH DATE JUN 21 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 342.614

RL 152.02 LAL -0.00 LOL 268.96 VL 27.000 GAL -3.37 AZL 91.85 HCA 153.20 SMA 130.50 ECC .17488 INC 1.8506 V1 29.306
 RP 107.94 LAP -.83 LOP 62.17 VP 37.973 GAP -1.56 AZP 88.35 TAL 196.29 TAP 349.49 RCA 107.67 APO 153.32 V2 35.107
 RC 83.336 GL -16.62 GP -20.19 ZAL 124.05 ZAP 75.04 ETS 5.53 ZAE 163.68 ETE 286.13 ZAC 101.55 ETC 10.97 CLP -74.04

PLANETOCENTRIC CONIC

C3 9.266 VHL 3.044 DLA -1.95 RAL 140.16 RAD 6567.3 VEL 11.430 PTH 1.98 VHP 3.144 DPA -10.75 RAP 162.44 ECC 1.1525
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 45 1986.61 -13.46 27.54 350.16 115.15 3 35 51 1386.6 -9.97 20.61
 90.00 14 31 54 4751.42 16.83 203.76 350.69 66.89 15 51 5 4151.4 13.56 196.61
 100.00 4 23 11 1727.14 -14.25 8.07 349.77 116.56 4 51 58 1127.1 -10.57 1.21
 100.00 15 54 9 4486.12 17.63 183.88 350.32 65.46 17 8 55 3886.1 14.17 176.80
 110.00 5 29 21 1520.03 -16.33 351.17 348.59 120.45 5 54 41 920.0 -12.17 344.54
 110.00 17 4 28 4266.00 19.75 166.05 349.20 61.52 18 15 34 3666.0 15.80 159.17

DIFFERENTIAL CORRECTIONS

TDE .0474 TRA -.3227 TC3 -.4385 BAU .1931
 RDE -.2298 RRA -.1266 RC3-1.4961 FAU .18687
 FDE-1.4929 FRA-1.0430 FC-17.4601 BSP 3267
 BDE .2346 BRA .3467 BC3 1.5591 FSP -3031

MID-COURSE EXECUTION ACCURACY

SGT 669.8 SGR 1036.1 SG3 965.0
 RRT .5035 RRF .9821 RTF .5054
 SGB 1233.8 R23 .1970 R13 .9623
 SG1 1109.0 SG2 540.7 THA 65.90

ORBIT DETERMINATION ACCURACY

ST 203.1 SR 439.3 SS 784.8
 CRT -.2835 CRS -.9979 CST .2394
 LSA 900.5 MSA 197.1 SSA 17.3
 EL1 443.9 EL2 192.7 ALF 99.22

LAUNCH DATE JUN 21 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 349.019

RL 152.02 LAL -.00 LOL 268.96 VL 27.004 GAL -3.33 AZL 91.62 HCA 156.42 SMA 130.53 ECC .17435 INC 1.6204 V1 29.306
 RP 107.91 LAP -.65 LOP 65.39 VP 37.988 GAP -1.10 AZP 88.51 TAL 196.13 TAP 352.55 RCA 107.77 APO 153.29 V2 35.119
 RC 85.546 GL -14.74 GP -22.96 ZAL 124.20 ZAP 80.54 ETS 4.10 ZAE 161.25 ETE 271.21 ZAC 104.29 ETC 9.69 CLP -79.71

PLANETOCENTRIC CONIC

C3 8.976 VHL 2.996 DLA -.24 RAL 140.96 RAD 6567.3 VEL 11.418 PTH 1.98 VHP 3.137 DPA -12.38 RAP 159.18 ECC 1.1477
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 18 2033.36 -14.80 30.32 350.77 114.42 3 27 11 1433.4 -11.38 23.31
 90.00 14 47 44 4692.39 15.22 200.18 350.83 65.83 16 5 57 4092.4 11.83 193.14
 100.00 4 14 31 1771.33 -15.58 10.68 350.39 115.84 4 44 3 1171.3 -11.98 3.74
 100.00 16 9 12 4429.64 16.00 180.48 350.46 64.41 17 23 1 3829.6 12.43 173.51
 110.00 5 22 31 1558.52 -17.65 353.38 349.25 119.76 5 48 29 958.5 -13.56 346.66
 110.00 17 17 42 4215.22 18.08 163.07 349.32 60.48 18 27 57 3615.2 14.01 156.32

DIFFERENTIAL CORRECTIONS

TDE .0197 TRA -.3435 TC3 -.8822 BAU .2421
 RDE -.2190 RRA -.1275 RC3-1.8144 FAU .18746
 FDE-1.2909 FRA -.9426 FC-18.0801 BSP 4003
 BDE .2199 BRA .3664 BC3 2.0175 FSP -3062

MID-COURSE EXECUTION ACCURACY

SGT 844.1 SGR 1190.3 SG3 972.6
 RRT .7158 RRF .9890 RTF .7176
 SGB 1459.2 R23 .2124 R13 .9660
 SG1 1365.8 SG2 513.7 THA 58.05

ORBIT DETERMINATION ACCURACY

ST 201.3 SR 426.4 SS 690.7
 CRT -.0096 CRS -.9978 CST -.0367
 LSA 811.4 MSA 201.9 SSA 17.3
 EL1 426.4 EL2 201.3 ALF 90.33

LAUNCH DATE JUN 21 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 355.401

RL 152.02 LAL -.00 LOL 268.96 VL 27.005 GAL -3.27 AZL 91.32 HCA 159.64 SMA 130.53 ECC .17400 INC 1.3223 V1 29.306
 RP 107.87 LAP -.46 LOP 68.60 VP 37.999 GAP -.66 AZP 88.76 TAL 195.89 TAP 355.53 RCA 107.82 APO 153.25 V2 35.131
 RC 87.767 GL -12.20 GP -26.29 ZAL 124.27 ZAP 85.88 ETS 2.25 ZAE 157.37 ETE 260.24 ZAC 107.01 ETC 7.99 CLP -85.40

PLANETOCENTRIC CONIC

C3 8.668 VHL 2.944 DLA 2.06 RAL 142.10 RAD 6567.3 VEL 11.404 PTH 1.97 VHP 3.178 DPA -14.57 RAP 155.72 ECC 1.1427
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 40 48 2097.93 -16.58 34.23 351.81 113.29 3 15 46 1497.9 -13.29 27.10
 90.00 15 9 20 4614.46 12.99 195.54 351.28 64.62 16 26 14 4014.5 9.47 188.63
 100.00 4 3 6 1832.46 -17.36 14.34 351.45 114.73 4 33 38 1232.5 -13.88 7.28
 100.00 16 29 43 4355.15 13.76 176.08 350.89 63.20 17 42 18 3755.2 10.05 169.25
 110.00 5 13 32 1611.99 -19.43 356.51 350.35 118.69 5 40 24 1012.0 -15.45 349.65
 110.00 17 35 46 4148.40 15.79 159.24 349.74 59.28 18 44 54 3548.4 11.60 152.64

DIFFERENTIAL CORRECTIONS

TDE .0064 TRA -.3586 TC3-1.3803 BAU .3007
 RDE -.1977 RRA -.1240 RC3-2.1975 FAU .18321
 FDE-1.0040 FRA -.7944 FC-18.2992 BSP 4951
 BDE .1978 BRA .3794 BC3 2.5951 FSP -3027

MID-COURSE EXECUTION ACCURACY

SGT 1071.6 SGR 1371.4 SG3 955.5
 RRT .8271 RRF .9935 RTF .8280
 SGB 1740.4 R23 .2030 R13 .9726
 SG1 1668.5 SG2 495.0 THA 53.38

ORBIT DETERMINATION ACCURACY

ST 211.3 SR 393.4 SS 558.6
 CRT .1362 CRS -.9971 CST -.1878
 LSA 683.8 MSA 208.5 SSA 18.0
 EL1 394.9 EL2 208.5 ALF 84.19

LAUNCH DATE JUN 21 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 361.762

RL 152.02 LAL -.00 LOL 268.96 VL 27.002 GAL -3.21 AZL 90.92 HCA 162.86 SMA 130.51 ECC .17381 INC .9159 V1 29.306
 RP 107.83 LAP -.27 LOP 71.82 VP 38.008 GAP -.23 AZP 89.12 TAL 195.57 TAP 358.43 RCA 107.83 APO 153.20 V2 35.143
 RC 89.996 GL -8.59 GP -30.44 ZAL 124.25 ZAP 90.88 ETS 359.85 ZAE 152.22 ETE 253.00 ZAC 109.59 ETC 5.73 CLP -91.02

PLANETOCENTRIC CONIC

C3 8.352 VHL 2.890 DLA 5.32 RAL 143.72 RAD 6567.3 VEL 11.390 PTH 1.97 VHP 3.282 DPA -17.57 RAP 152.01 ECC 1.1375
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 22 48 2192.87 -19.04 40.11 353.58 111.37 2 59 20 1592.9 -15.96 32.78
 90.00 15 40 17 4505.50 9.73 189.20 352.24 63.28 16 55 22 3905.5 6.07 182.43
 100.00 3 46 39 1922.40 -19.83 19.88 353.24 112.84 4 18 41 1322.4 -16.56 12.61
 100.00 16 59 7 4251.19 10.49 170.10 351.84 61.85 18 9 58 3651.2 6.65 163.42
 110.00 5 0 39 1690.80 -21.93 1.25 352.19 116.90 5 28 50 1090.8 -18.15 354.17
 110.00 18 1 36 4055.57 12.50 154.06 350.65 57.92 19 9 12 3455.6 8.17 147.64

DIFFERENTIAL CORRECTIONS

TDE .0188 TRA -.3619 TC3-1.9278 BAU .3656
 RDE -.1540 RRA -.1086 RC3-2.6461 FAU .17200
 FDE -.5997 FRA -.5693 FC-17.8284 BSP 5997
 BDE .1552 BRA .3779 BC3 3.2738 FSP -2854

MID-COURSE EXECUTION ACCURACY

SGT 1327.5 SGR 1574.6 SG3 901.6
 RRT .8844 RRF .9963 RTF .8847
 SGB 2059.5 R23 .1888 R13 .9782
 SG1 2000.9 SG2 487.5 THA 50.49

ORBIT DETERMINATION ACCURACY

ST 221.9 SR 315.5 SS 361.5
 CRT .0599 CRS -.9928 CST -.1401
 LSA 479.7 MSA 221.2 SSA 21.1
 EL1 316.1 EL2 221.1 ALF 85.27

LAUNCH DATE JUN 21 1967

FLIGHT TIME 132.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 368.101

RL 152.02 LAL -.00 LOL 268.96 VL 26.995 GAL -3.13 AZL 90.33 HCA 166.09 SMA 130.47 ECC .17378 INC .3286 V1 29.306
 RP 107.80 LAP -.08 LOP 75.05 VP 38.014 GAP .19 AZP 89.68 TAL 195.18 TAP 1.27 RCA 107.79 APO 153.14 V2 35.154
 RC 92.232 GL -3.13 GP -35.82 ZAL 124.01 ZAP 95.30 ETS 356.71 ZAE 145.77 ETE 248.64 ZAC 111.86 ETC 2.67 CLP -96.55

PLANETOCENTRIC CONIC

C3 8.079 VHL 2.842 DLA 10.27 RAL 146.12 RAD 6567.3 VEL 11.378 PTH 1.97 VHP 3.482 DPA -21.78 RAP 147.91 ECC 1.1330
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 41 2345.35 -22.51 49.94 356.74 107.64 2 32 46 1745.3 -19.89 42.25
 90.00 16 28 32 4340.61 4.56 179.84 354.29 62.02 17 40 52 3740.6 .78 173.20
 100.00 3 20 7 2066.57 -23.36 29.13 356.44 109.20 3 54 34 1466.6 -20.52 21.48
 100.00 17 44 47 4094.62 5.34 161.32 353.86 60.55 18 53 1 3494.6 1.38 154.78
 110.00 4 39 56 1816.81 -25.59 9.21 355.48 113.48 5 10 13 1216.8 -22.19 1.70
 110.00 18 41 27 3917.15 7.39 146.60 352.60 56.53 19 46 44 3317.1 2.94 140.34

DIFFERENTIAL CORRECTIONS

TDE .0753 TRA -.3459 TC3-2.5106 BAU .4375
 RDE -.0727 RRA -.0770 RC3-3.1789 FAU .15376
 FDE -.0986 FRA -.2991 FC-16.4768 BSP 7214
 BDE .1047 BRA .3544 BC3 4.0507 FSP -2578

MID-COURSE EXECUTION ACCURACY

SGT 1600.6 SGR 1819.9 SG3 811.2
 RRT .9161 RRF .9980 RTF .9164
 SGB 2423.6 R23 .1718 R13 .9831
 SG1 2373.1 SG2 492.1 THA 49.00

ORBIT DETERMINATION ACCURACY

ST 264.7 SR 163.3 SS 117.4
 CRT -.2284 CRS -.8329 CST -.2025
 LSA 269.0 MSA 191.9 SSA 36.2
 EL1 268.8 EL2 156.6 ALF 167.77

LAUNCH DATE JUN 21 1967

FLIGHT TIME 134.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 374.417

RL 152.02 LAL -.00 LOL 268.96 VL 26.986 GAL -3.04 AZL 89.40 HCA 169.31 SMA 130.40 ECC .17388 INC .5988 V1 29.306
 RP 107.77 LAP .11 LOP 78.27 VP 38.017 GAP .60 AZP 90.59 TAL 194.72 TAP 4.04 RCA 107.73 APO 153.07 V2 35.165
 RC 94.474 GL 5.74 GP -43.13 ZAL 123.07 ZAP 98.72 ETS 352.51 ZAE 137.59 ETE 246.35 ZAC 113.55 ETC 358.42 CLP-101.99

PLANETOCENTRIC CONIC

C3 8.042 VHL 2.836 DLA 18.35 RAL 150.00 RAD 6567.3 VEL 11.377 PTH 1.96 VHP 3.864 DPA -27.82 RAP 142.99 ECC 1.1324
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 56 2 2630.84 -27.02 69.60 3.14 98.82 1 39 53 2030.8 -25.52 61.25
 90.00 17 57 9 4053.43 -4.68 163.79 359.26 62.04 19 4 42 3453.4 -8.38 157.07
 100.00 2 28 22 2333.12 -28.09 47.49 2.94 100.68 3 7 15 1733.1 -26.32 39.13
 100.00 19 7 30 3826.39 -3.73 146.58 358.73 60.32 20 11 17 3226.4 -7.65 139.99
 110.00 4 0 34 2044.66 -30.82 24.85 2.21 105.58 4 34 38 1444.7 -28.37 16.50
 110.00 19 51 48 3687.62 -1.35 134.57 357.25 55.84 20 53 15 3087.6 -5.82 128.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2223 TRA -.2899 TC3-3.0266 BAU .5133
 RDE .0924 RRA -.0070 RC3-3.6921 FAU .12573
 FDE .5018 FRA .0267 FC-13.5346 BSP 8481
 BDE .2407 BRA .2899 BC3 4.7741 FSP -2124

SGT 1878.6 SGR 2102.4 SG3 669.0
 RRT .9337 RRF .9990 RTF .9348
 SGB 2819.5 R23 .1552 R13 .9869
 SG1 2772.9 SG2 510.1 THA 48.44

ST 488.5 SR 197.0 SS 347.1
 CRT .9133 CRS -.9941 CST -.9136
 LSA 617.5 MSA 127.6 SSA 18.5
 EL1 521.3 EL2 75.2 ALF 20.67

LAUNCH DATE JUN 21 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 380.708

RL 152.02 LAL -.00 LOL 268.96 VL 26.973 GAL -2.94 AZL 87.67 HCA 172.53 SMA 130.31 ECC .17411 INC 2.3279 V1 29.306
 RP 107.73 LAP .30 LOP 81.50 VP 38.018 GAP 1.00 AZP 92.31 TAL 194.19 TAP 6.73 RCA 107.62 APO 153.00 V2 35.175
 RC 96.719 GL 21.21 GP -53.59 ZAL 119.69 ZAP 100.35 ETS 346.81 ZAE 126.69 ETE 245.25 ZAC 114.13 ETC 352.31 CLP-107.63

PLANETOCENTRIC CONIC

C3 9.162 VHL 3.027 DLA 32.32 RAL 157.49 RAD 6567.3 VEL 11.426 PTH 1.98 VHP 4.684 DPA -36.67 RAP 136.14 ECC 1.1508
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.72 19 48 28 3770.21 -26.53 153.22 15.41 70.82 20 51 18 3170.2 -28.90 145.00
 106.28 0 4 26 2963.42 -26.52 93.40 15.40 70.81 0 53 50 2363.4 -28.89 85.19
 73.72 19 48 28 3770.21 -26.53 153.22 15.41 70.82 20 51 18 3170.2 -28.90 145.00
 106.28 0 4 26 2963.42 -26.52 93.40 15.40 70.81 0 53 50 2363.4 -28.89 85.19
 110.00 1 53 2 2628.06 -32.78 69.48 17.30 79.73 2 36 50 2028.1 -33.85 60.40
 110.00 22 59 3 3153.57 -20.59 105.20 12.59 62.09 23 51 36 2553.6 -24.16 97.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .5795 TRA -.1472 TC3-3.0792 BAU .5896
 RDE .4423 RRA .1489 RC3-3.7001 FAU .08705
 FDE 1.0830 FRA .3509 FC3-8.2258 BSP 9867
 BDE .7290 BRA .2094 BC3 4.8137 FSP -1501

SGT 2187.9 SGR 2414.4 SG3 470.2
 RRT .9434 RRF .9995 RTF .9467
 SGB 3258.3 R23 .1399 R13 .9897
 SG1 3212.3 SG2 545.2 THA 47.99

ST 1102.9 SR 845.9 SS 837.3
 CRT .9779 CRS-1.0000 CST -.9790
 LSA 1613.9 MSA 167.9 SSA 4.0
 EL1 1382.8 EL2 140.9 ALF 37.33

LAUNCH DATE JUN 21 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 386.960

RL 152.02 LAL -.00 LOL 268.96 VL 26.958 GAL -2.83 AZL 83.35 HCA 175.74 SMA 130.21 ECC .17446 INC 6.6441 V1 29.306
 RP 107.70 LAP .49 LOP 84.72 VP 38.016 GAP 1.38 AZP 96.63 TAL 193.59 TAP 9.32 RCA 107.49 APO 152.92 V2 35.185
 RC 98.967 GL 46.65 GP -69.27 ZAL 109.70 ZAP 98.88 ETS 338.12 ZAE 111.07 ETE 242.91 ZAC 112.52 ETC 342.38 CLP-115.87

PLANETOCENTRIC CONIC

C3 18.356 VHL 4.284 DLA 53.67 RAL 177.11 RAD 6567.7 VEL 11.821 PTH 2.09 VHP 7.046 DPA -49.49 RAP 123.26 ECC 1.3021
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 42.30 18 46 56 4308.15 -35.75 206.15 55.16 46.88 19 58 44 3708.1 -40.97 198.84
 137.70 3 42 32 2724.14 -35.73 79.47 55.15 46.87 4 27 56 2124.1 -40.96 72.16
 42.30 18 46 56 4308.15 -35.75 206.15 55.16 46.88 19 58 44 3708.1 -40.97 198.84
 137.70 3 42 32 2724.14 -35.73 79.47 55.15 46.87 4 27 56 2124.1 -40.96 72.16
 42.30 18 46 56 4308.15 -35.75 206.15 55.16 46.88 19 58 44 3708.1 -40.97 198.84
 137.70 3 42 32 2724.14 -35.73 79.47 55.15 46.87 4 27 56 2124.1 -40.96 72.16

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5824 TRA .3019 TC3-1.7025 BAU .6268
 RDE 1.1362 RRA .5749 RC3-1.9043 FAU .04039
 FDE 1.2631 FRA .5844 FC3-1.9051 BSP 11172
 BDE 1.9481 BRA .6494 BC3 2.5543 FSP -750

SGT 2659.1 SGR 2579.8 SG3 232.8
 RRT .9446 RRF .9988 RTF .9569
 SGB 3704.9 R23 .1313 R13 .9910
 SG1 3653.3 SG2 616.1 THA 44.08

ST 2126.5 SR 1569.3 SS 1056.6
 CRT .9880 CRS -.9998 CST -.9910
 LSA 2838.4 MSA 210.3 SSA 1.5
 EL1 2635.6 EL2 195.3 ALF 36.33

LAUNCH DATE JUN 21 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 393.021

RL 152.02 LAL -.00 LOL 268.96 VL 26.940 GAL -2.67 AZL 55.85 HCA 178.79 SMA 130.08 ECC .17477 INC34.1502 V1 29.306
 RP 107.67 LAP .68 LOP 87.95 VP 38.012 GAP 1.71 AZP 124.15 TAL 192.77 TAP 11.56 RCA 107.35 APO 152.82 V2 35.195
 RC 101.218 GL 64.62 GP -77.31 ZAL 94.70 ZAP 93.14 ETS 202.94 ZAE 80.29 ETE 113.12 ZAC 107.58 ETC 202.35 CLP 104.45

PLANETOCENTRIC CONIC

C3 279.625 VHL 16.722 DLA 59.83 RAL 213.49 RAD 6571.6 VEL 20.023 PTH 3.14 VHP 23.694 DPA -61.64 RAP 70.57 ECC 5.6019
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.82 20 51 46 4935.19 -5.69 237.26 120.18 30.34 22 14 1 4335.2 -12.58 233.54
 145.18 6 27 57 3269.03 -5.68 100.74 120.16 30.34 7 22 26 2669.0 -12.57 97.03
 34.82 20 51 46 4935.19 -5.69 237.26 120.18 30.34 22 14 1 4335.2 -12.58 233.54
 145.18 6 27 57 3269.03 -5.68 100.74 120.16 30.34 7 22 26 2669.0 -12.57 97.03
 34.82 20 51 46 4935.19 -5.69 237.26 120.18 30.34 22 14 1 4335.2 -12.58 233.54
 145.18 6 27 57 3269.03 -5.68 100.74 120.16 30.34 7 22 26 2669.0 -12.57 97.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE -.9019 TRA 1.0127 TC3 -.0139 BAU .5571
 RDE-4.9129 RRA-5.0530 RC3 -.1484 FAU-.00945
 FDE .8119 FRA 1.0925 FC3 .0293 BSP 8663
 BDE 4.9950 BRA 5.1535 BC3 .1490 FSP -163

SGT 757.8 SGR 3865.9 SG3 69.2
 RRT -.6263 RRF -.9953 RTF .6979
 SGB 3939.5 R23 -.0768 R13 -.9970
 SG1 3895.6 SG2 586.3 THA 97.16

ST 372.0 SR 1975.3 SS 730.5
 CRT .4167 CRS .9921 CST .2991
 LSA 2109.7 MSA 350.4 SSA .6
 EL1 1981.5 EL2 337.1 ALF 85.38

LAUNCH DATE JUN 21 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC
 RL 152.02 LAL -.00 LOL 268.96 VL 26.920 GAL -2.61 AZL 111.30 HCA 182.39 SMA 129.95 ECC .17572 INC21.2977 V1 29.306
 RP 107.65 LAP .87 LOP 91.19 VP 38.006 GAP 2.20 AZP 68.72 TAL 192.42 TAP 14.81 RCA 107.11 APO 152.78 V2 35.204
 RC 103.470 GL -65.47 GP 81.03 ZAL 97.18 ZAP 97.79 ETS 80.28 ZAE 92.17 ETE 169.69 ZAC 83.13 ETC 75.73 CLP-150.35

DISTANCE 399.663

PLANETOCENTRIC CONIC
 C3 115.301 VHL 10.738 DLA -51.45 RAL 129.16 RAD 6570.2 VEL 15.383 PTH 2.75 VHP 11.883 DPA 73.40 RAP 265.40 ECC 278976
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 45.06 3 45 48 2086.25 12.82 54.87 28.70 140.28 4 20 35 1486.3 18.91 49.89
 134.94 12 21 6 5826.94 12.83 270.08 28.72 140.27 13 58 13 5226.9 18.92 265.10
 45.06 3 45 48 2086.25 12.82 54.87 28.70 140.28 4 20 35 1486.3 18.91 49.89
 134.94 12 21 6 5826.94 12.83 270.08 28.72 140.27 13 58 13 5226.9 18.92 265.10
 45.06 3 45 48 2086.25 12.82 54.87 28.70 140.28 4 20 35 1486.3 18.91 49.89
 134.94 12 21 6 5826.94 12.83 270.08 28.72 140.27 13 58 13 5226.9 18.92 265.10

DIFFERENTIAL CORRECTIONS
 TOE-6.2854 TRA-2.2093 TC3 -.1220 BAU .1882
 RDE .2798 RRA -.7864 RC3 .0063 FAU .00740
 FDE-2.3596 FRA -.6578 FC3 -.0556 BSP 10207
 BDE 6.2916 BRA 2.3451 BC3 .1221 FSP -318

MID-COURSE EXECUTION ACCURACY
 SGT 3859.5 SGR 689.8 SG3 119.6
 RRT .2891 RRF .1986 RTF .9955
 SGB 3920.7 R23 -.1022 R13 .9947
 SG1 3864.8 SG2 659.5 THA 3.05

ORBIT DETERMINATION ACCURACY
 ST 3401.5 SR 251.2 SS 1304.2
 CRT -.4519 CRS .4821 CST -.9994
 LSA 3644.5 MSA 227.3 SSA .7
 EL1 3403.4 EL2 224.0 ALF 178.08

LAUNCH DATE JUN 21 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC
 RL 152.02 LAL -.00 LOL 268.96 VL 26.898 GAL -2.46 AZL 100.92 HCA 185.56 SMA 129.80 ECC .17638 INC10.9201 V1 29.306
 RP 107.62 LAP 1.05 LOP 94.42 VP 37.998 GAP 2.55 AZP 79.13 TAL 191.60 TAP 17.16 RCA 106.90 APO 152.69 V2 35.212
 RC 105.723 GL -57.99 GP 59.04 ZAL 102.19 ZAP 108.13 ETS 35.48 ZAE 112.80 ETE 130.99 ZAC 91.42 ETC 33.66 CLP-127.23

DISTANCE 405.815

PLANETOCENTRIC CONIC
 C3 36.051 VHL 6.004 DLA -43.67 RAL 131.82 RAD 6568.4 VEL 12.547 PTH 2.27 VHP 5.888 DPA 66.60 RAP 195.72 ECC 1.5933
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.26 4 32 4 1722.87 23.43 30.89 14.80 127.96 5 0 47 1122.9 28.18 24.15
 124.74 11 56 2 5641.37 23.45 263.23 14.81 127.96 13 30 3 5041.4 28.20 256.50
 55.26 4 32 4 1722.87 23.43 30.89 14.80 127.96 5 0 47 1122.9 28.18 24.15
 124.74 11 56 2 5641.37 23.45 263.23 14.81 127.96 13 30 3 5041.4 28.20 256.50
 55.26 4 32 4 1722.87 23.43 30.89 14.80 127.96 5 0 47 1122.9 28.18 24.15
 124.74 11 56 2 5641.37 23.45 263.23 14.81 127.96 13 30 3 5041.4 28.20 256.50

DIFFERENTIAL CORRECTIONS
 TOE-2.5507 TRA-1.4169 TC3-1.0176 BAU .5698
 RDE 1.9375 RRA .4390 RC3 .6019 FAU .05038
 FDE-3.4023 FRA -.9889 FC3-1.2099 BSP 11865
 BDE 3.2032 BRA 1.4833 BC3 1.1823 FSP -1020

MID-COURSE EXECUTION ACCURACY
 SGT 3303.2 SGR 2068.0 SG3 327.3
 RRT -.9466 RRF -.9967 RTF .9682
 SGB 3897.1 R23 .1605 R13 -.9866
 SG1 3855.0 SG2 571.3 THA 148.58

ORBIT DETERMINATION ACCURACY
 ST 2498.1 SR 1857.2 SS 1663.6
 CRT -.9912 CRS .9997 CST -.9943
 LSA 3522.9 MSA 215.9 SSA 1.5
 EL1 3106.5 EL2 197.7 ALF 143.44

LAUNCH DATE JUN 21 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC
 RL 152.02 LAL -.00 LOL 268.96 VL 26.874 GAL -2.30 AZL 98.10 HCA 188.78 SMA 129.63 ECC .17719 INC 8.0986 V1 29.306
 RP 107.60 LAP 1.23 LOP 97.66 VP 37.988 GAP 2.91 AZP 81.99 TAL 190.78 TAP 19.57 RCA 106.66 APO 152.60 V2 35.220
 RC 107.975 GL -51.85 GP 44.10 ZAL 104.36 ZAP 116.59 ETS 30.50 ZAE 124.17 ETE 135.72 ZAC 97.88 ETC 30.14 CLP-128.56

DISTANCE 412.001

PLANETOCENTRIC CONIC
 C3 23.141 VHL 4.811 DLA -38.22 RAL 135.58 RAD 6567.9 VEL 12.022 PTH 2.15 VHP 4.602 DPA 54.80 RAP 176.38 ECC 1.3808
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.18 5 22 12 1514.49 24.80 14.03 9.64 120.07 5 47 27 914.5 28.60 6.56
 116.82 11 35 57 5628.63 24.82 263.16 9.65 120.06 13 9 46 5028.6 28.61 255.69
 63.18 5 22 12 1514.49 24.80 14.03 9.64 120.07 5 47 27 914.5 28.60 6.56
 116.82 11 35 57 5628.63 24.82 263.16 9.65 120.06 13 9 46 5028.6 28.61 255.69
 63.18 5 22 12 1514.49 24.80 14.03 9.64 120.07 5 47 27 914.5 28.60 6.56
 116.82 11 35 57 5628.63 24.82 263.16 9.65 120.06 13 9 46 5028.6 28.61 255.69

DIFFERENTIAL CORRECTIONS
 TOE-2.0240 TRA-1.1584 TC3-1.8171 BAU .6196
 RDE 1.2036 RRA .2643 RC3 .8418 FAU .08474
 FDE-3.9837 FRA -1.0657 FC3-3.1702 BSP 11996
 BDE 2.3549 BRA 1.1881 BC3 2.0026 FSP -1636

MID-COURSE EXECUTION ACCURACY
 SGT 3457.2 SGR 1694.5 SG3 506.9
 RRT -.9517 RRF -.9977 RTF .9666
 SGB 3850.1 R23 .1962 R13 -.9798
 SG1 3821.2 SG2 470.7 THA 154.58

ORBIT DETERMINATION ACCURACY
 ST 2468.2 SR 1438.8 SS 1896.7
 CRT -.9914 CRS .9998 CST -.9936
 LSA 3423.0 MSA 206.5 SSA 2.1
 EL1 2852.0 EL2 163.3 ALF 149.87

LAUNCH DATE JUN 21 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC
 RL 152.02 LAL -.00 LOL 268.96 VL 26.848 GAL -2.13 AZL 96.79 HCA 192.02 SMA 129.46 ECC .17812 INC 6.7850 V1 29.306
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.977 GAP 3.27 AZP 83.36 TAL 189.92 TAP 21.94 RCA 106.40 APO 152.52 V2 35.227
 RC 110.226 GL -47.67 GP 34.05 ZAL 105.06 ZAP 123.03 ETS 27.28 ZAE 130.26 ETE 142.73 ZAC 102.09 ETC 27.84 CLP-131.14

DISTANCE 418.183

PLANETOCENTRIC CONIC
 C3 18.387 VHL 4.288 DLA -34.78 RAL 138.64 RAD 6567.7 VEL 11.822 PTH 2.09 VHP 4.192 DPA 45.94 RAP 168.90 ECC 1.3026
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.91 6 5 13 1368.17 24.41 2.03 7.81 115.57 6 28 1 768.2 27.64 354.30
 111.09 11 17 20 5664.92 24.42 265.84 7.82 115.56 12 51 45 5064.9 27.65 258.11
 68.91 6 5 13 1368.17 24.41 2.03 7.81 115.57 6 28 1 768.2 27.64 354.30
 111.09 11 17 20 5664.92 24.42 265.84 7.82 115.56 12 51 45 5064.9 27.65 258.11
 68.91 6 5 13 1368.17 24.41 2.03 7.81 115.57 6 28 1 768.2 27.64 354.30
 111.09 11 17 20 5664.92 24.42 265.84 7.82 115.56 12 51 45 5064.9 27.65 258.11

DIFFERENTIAL CORRECTIONS
 TOE-1.8012 TRA -.9989 TC3-2.4220 BAU .6258
 RDE .7940 RRA .1359 RC3 .7840 FAU .09888
 FDE-3.9425 FRA -.8569 FC3-4.6558 BSP 11350
 BDE 1.9684 BRA 1.0081 BC3 2.5457 FSP -1784

MID-COURSE EXECUTION ACCURACY
 SGT 3570.3 SGR 1275.4 SG3 583.7
 RRT -.9464 RRF -.9961 RTF .9634
 SGB 3791.3 R23 .2267 R13 -.9720
 SG1 3771.1 SG2 390.1 THA 161.11

ORBIT DETERMINATION ACCURACY
 ST 2456.4 SR 1063.2 SS 1914.3
 CRT -.9906 CRS .9999 CST -.9927
 LSA 3284.3 MSA 204.1 SSA 3.0
 EL1 2673.2 EL2 133.9 ALF 156.73

LAUNCH DATE JUN 21 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 424.345

RL 152.02 LAL -.00 LOL 268.96 VL 26.821 GAL -1.96 AZL 96.02 HCA 195.25 SMA 129.27 ECC .17917 INC 6.0222 V1 29.306
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.963 GAP 3.62 AZP 84.19 TAL 189.02 TAP 24.28 RCA 106.11 APO 152.43 V2 35.233
 RC 112.475 GL -44.70 GP 27.16 ZAL 104.94 ZAP 128.06 ETS 24.77 ZAE 133.25 ETE 149.32 ZAC 104.68 ETC 25.92 CLP-133.86

PLANETOCENTRIC CONIC

C3 15.987 VHL 3.998 DLA -32.55 RAL 141.28 RAD 6567.6 VEL 11.721 PTH 2.07 VHP 4.066 DPA 39.57 RAP 165.22 ECC 1.2631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.24 6 42 27 1253.96 23.81 352.88 7.51 112.87 7 3 21 654.0 26.70 345.04
 106.76 11 1 8 5714.56 23.82 269.40 7.52 112.86 12 36 22 5114.6 26.71 261.56
 73.24 6 42 27 1253.96 23.81 352.88 7.51 112.87 7 3 21 654.0 26.70 345.04
 106.76 11 1 8 5714.56 23.82 269.40 7.52 112.86 12 36 22 5114.6 26.71 261.56
 110.00 10 1 35 610.39 17.27 302.17 4.04 119.97 10 11 46 10.4 21.12 295.17
 110.00 12 41 10 5406.13 30.72 248.33 10.24 105.79 14 11 16 4806.1 32.58 239.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7215 TRA -.9161 TC3-2.9935 BAU .6566 SGT 3773.7 SGR 1006.7 SG3 626.4 ST 2511.7 SR 831.8 SS 1915.2
 RDE .5796 RRA .0816 RC3 .6899 FAU .10729 RRT -.9438 RRF -.9925 RTF .9644 CRT -.9906 CRS .9999 CST -.9926
 FDE-3.7950 FRA -.6986 FC3-5.8100 BSP 11915 SGB 3905.7 R23 .2289 R13 -.9694 LSA 3260.2 MSA 199.6 SSA 4.0
 BDE 1.8164 BRA .9197 BC3 3.0720 FSP -1974 SG1 3892.3 SG2 322.6 THA 165.77 EL1 2643.6 EL2 108.2 ALF 161.81

LAUNCH DATE JUN 21 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 430.492

RL 152.02 LAL -.00 LOL 268.96 VL 26.792 GAL -1.77 AZL 95.52 HCA 198.49 SMA 129.08 ECC .18033 INC 5.5214 V1 29.306
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.948 GAP 3.97 AZP 84.76 TAL 188.08 TAP 26.58 RCA 105.80 APO 152.36 V2 35.239
 RC 114.720 GL -42.49 GP 22.26 ZAL 104.30 ZAP 132.16 ETS 22.76 ZAE 134.52 ETE 154.84 ZAC 106.17 ETC 24.28 CLP-136.49

PLANETOCENTRIC CONIC

C3 14.554 VHL 3.815 DLA -31.09 RAL 143.71 RAD 6567.6 VEL 11.659 PTH 2.05 VHP 4.060 DPA 34.89 RAP 163.28 ECC 1.2395
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.59 7 14 59 1161.44 23.33 345.64 8.04 111.16 7 34 20 561.4 25.99 337.76
 103.41 10 48 1 5764.89 23.34 273.01 8.05 111.15 12 24 6 5164.9 26.00 265.12
 76.59 7 14 59 1161.44 23.33 345.64 8.04 111.16 7 34 20 561.4 25.99 337.76
 103.41 10 48 1 5764.89 23.34 273.01 8.05 111.15 12 24 6 5164.9 26.00 265.12
 110.00 9 41 50 683.90 14.72 306.35 3.57 121.21 9 53 14 83.9 18.74 299.54
 110.00 13 20 20 5290.44 32.55 239.81 11.06 101.06 14 48 30 4690.4 33.73 230.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6848 TRA -.8392 TC3-3.4699 BAU .6839 SGT 3946.9 SGR 797.9 SG3 630.7 ST 2569.9 SR 669.1 SS 1874.7
 RDE .4452 RRA .0468 RC3 .5604 FAU .10804 RRT -.9351 RRF -.9849 RTF .9642 CRT -.9907 CRS .9999 CST -.9924
 FDE-3.5524 FRA -.5025 FC3-6.4269 BSP 12347 SGB 4026.8 R23 .2224 R13 -.9672 LSA 3244.7 MSA 196.3 SSA 5.0
 BDE 1.7427 BRA .8405 BC3 3.5148 FSP -2003 SG1 4017.2 SG2 277.9 THA 169.24 EL1 2654.1 EL2 88.1 ALF 165.52

LAUNCH DATE JUN 21 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 436.622

RL 152.02 LAL -.00 LOL 268.96 VL 26.762 GAL -1.57 AZL 95.17 HCA 201.74 SMA 128.88 ECC .18160 INC 5.1657 V1 29.306
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.932 GAP 4.32 AZP 85.20 TAL 187.10 TAP 28.84 RCA 105.47 APO 152.28 V2 35.244
 RC 116.961 GL -40.76 GP 18.66 ZAL 103.30 ZAP 135.65 ETS 21.13 ZAE 134.87 ETE 159.25 ZAC 106.92 ETC 22.88 CLP-139.00

PLANETOCENTRIC CONIC

C3 13.611 VHL 3.689 DLA -30.15 RAL 146.06 RAD 6567.5 VEL 11.619 PTH 2.04 VHP 4.114 DPA 31.31 RAP 162.32 ECC 1.2240
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.18 7 43 17 1086.74 23.00 339.91 9.09 110.05 8 1 23 486.7 25.52 332.00
 100.82 10 38 29 5810.09 23.01 276.26 9.10 110.04 12 15 19 5210.1 25.53 268.34
 79.18 7 43 17 1086.74 23.00 339.91 9.09 110.05 8 1 23 486.7 25.52 332.00
 100.82 10 38 29 5810.09 23.01 276.26 9.10 110.04 12 15 19 5210.1 25.53 268.34
 110.00 9 35 59 719.35 13.46 308.32 4.23 121.72 9 47 59 119.4 17.56 301.61
 110.00 13 44 57 5225.47 33.29 234.89 12.03 98.23 15 12 2 4625.5 34.07 225.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6761 TRA -.7663 TC3-3.8867 BAU .7116 SGT 4110.3 SGR 644.3 SG3 617.3 ST 2637.0 SR 557.2 SS 1824.2
 RDE .3586 RRA .0265 RC3 .4342 FAU .10534 RRT -.9191 RRF -.9703 RTF .9637 CRT -.9912 CRS .9999 CST -.9923
 FDE-3.3014 FRA -.3150 FC3-6.7006 BSP 12797 SGB 4160.5 R23 .2059 R13 -.9656 LSA 3248.8 MSA 192.9 SSA 6.1
 BDE 1.7140 BRA .7668 BC3 3.9109 FSP -1967 SG1 4152.9 SG2 251.2 THA 171.77 EL1 2694.2 EL2 72.1 ALF 168.16

LAUNCH DATE JUN 21 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 442.735

RL 152.02 LAL -.00 LOL 268.96 VL 26.731 GAL -1.36 AZL 94.90 HCA 204.98 SMA 128.67 ECC .18299 INC 4.8984 V1 29.306
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.914 GAP 4.67 AZP 85.56 TAL 186.09 TAP 31.07 RCA 105.12 APO 152.22 V2 35.248
 RC 119.197 GL -39.35 GP 15.93 ZAL 102.02 ZAP 138.69 ETS 19.81 ZAE 134.71 ETE 162.74 ZAC 107.13 ETC 21.68 CLP-141.36

PLANETOCENTRIC CONIC

C3 12.952 VHL 3.599 DLA -29.57 RAL 148.40 RAD 6567.5 VEL 11.590 PTH 2.03 VHP 4.201 DPA 28.47 RAP 161.98 ECC 1.2132
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.11 8 7 18 1029.05 22.82 335.55 10.52 109.33 8 24 27 429.1 25.25 327.62
 98.89 10 33 7 5846.26 22.83 278.88 10.52 109.32 12 10 33 5246.3 25.26 270.94
 100.00 10 4 41 649.20 20.17 306.63 9.43 112.54 10 15 30 49.2 23.05 299.01
 100.00 11 18 25 5701.35 25.53 269.07 11.47 106.11 12 53 26 5101.4 27.49 260.82
 110.00 9 36 48 737.11 12.82 309.30 5.48 121.96 9 49 5 137.1 16.95 302.63
 110.00 14 2 47 5186.20 33.64 231.88 13.33 96.48 15 29 14 4586.2 34.17 222.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.6843 TRA -.6916 TC3-4.2545 BAU .7388 SGT 4262.7 SGR 533.0 SG3 595.7 ST 2709.8 SR 479.6 SS 1773.3
 RDE .3012 RRA .0151 RC3 .3211 FAU .10101 RRT -.8929 RRF -.9448 RTF .9632 CRT -.9922 CRS .9999 CST -.9922
 FDE-3.0671 FRA -.1429 FC3-6.7519 BSP 13244 SGB 4295.9 R23 .1823 R13 -.9644 LSA 3268.3 MSA 189.3 SSA 7.2
 BDE 1.7110 BRA .6918 BC3 4.2667 FSP -1902 SG1 4289.3 SG2 238.6 THA 173.61 EL1 2751.3 EL2 58.8 ALF 170.04

LAUNCH DATE JUN 21 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 448.829

RL 152.02 LAL -1.00 LOL 268.96 VL 26.699 GAL -1.14 AZL 94.69 HCA 208.23 SMA 128.46 ECC .18451 INC 4.6890 V1 29.306
 RP 107.50 LAP 2.22 LOP 117.11 VP 37.895 GAP 5.01 AZP 85.87 TAL 185.04 TAP 33.26 RCA 104.75 APO 152.16 V2 35.252
 RC 121.426 GL -38.15 GP 13.81 ZAL 100.53 ZAP 141.39 ETS 18.72 ZAE 134.31 ETE 165.49 ZAC 106.94 ETC 20.63 CLP-143.58

PLANETOCENTRIC CONIC

C3 12.478 VHL 3.532 OLA -29.24 RAL 150.76 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 4.309 DPA 26.14 RAP 162.09 ECC 1.2053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.37 8 26 38 989.28 22.75 332.59 12.23 108.88 8 43 8 389.3 25.12 324.64
 97.63 10 32 38 5870.06 22.77 280.61 12.24 108.87 12 10 28 5270.1 25.13 272.67
 100.00 9 58 46 690.70 19.07 309.21 10.71 113.47 10 10 16 90.7 22.08 301.71
 100.00 11 43 12 5643.87 26.55 265.11 13.48 104.26 13 17 16 5043.9 28.25 256.72
 110.00 9 41 43 744.36 12.56 309.70 7.15 122.06 9 54 7 144.4 16.70 303.05
 110.00 14 16 44 5162.98 33.80 230.08 14.93 95.43 15 42 47 4563.0 34.18 220.86

DIFFERENTIAL CORRECTIONS

TDE-1.7055 TRA -.6148 TC3-4.5815 BAU .7652
 RDE .2624 RRA .0097 RC3 .2224 FAU .09586
 FDE-2.8573 FRA .0088 FC3-6.6514 BSP 13711
 BDE 1.7255 BRA .6149 BC3 4.5869 FSP -1827

MID-COURSE EXECUTION ACCURACY

SGT 4408.5 SGR 454.0 SG3 570.2
 RRT -.8526 RRF -.9045 RTF .9627
 SGB 4431.8 R23 .1556 R13 -.9635
 SG1 4425.5 SG2 236.4 THA 174.97

ORBIT DETERMINATION ACCURACY

ST 2789.2 SR 425.7 SS 1726.1
 CRT -.9936 CRS .9997 CST -.9923
 LSA 3302.4 MSA 185.2 SSA 8.2
 EL1 2821.1 EL2 47.5 ALF 171.38

LAUNCH DATE JUN 21 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 454.906

RL 152.02 LAL -1.00 LOL 268.96 VL 26.666 GAL -.90 AZL 94.52 HCA 211.47 SMA 128.24 ECC .18614 INC 4.5196 V1 29.306
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.874 GAP 5.35 AZP 86.14 TAL 183.96 TAP 35.43 RCA 104.37 APO 152.11 V2 35.255
 RC 123.648 GL -37.09 GP 12.12 ZAL 98.85 ZAP 143.84 ETS 17.81 ZAE 133.78 ETE 167.68 ZAC 106.43 ETC 19.70 CLP-145.67

PLANETOCENTRIC CONIC

C3 12.135 VHL 3.484 OLA -29.11 RAL 153.18 RAD 6567.5 VEL 11.555 PTH 2.02 VHP 4.430 DPA 24.15 RAP 162.53 ECC 1.1997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.96 8 40 57 968.37 22.78 331.05 14.20 108.63 8 57 6 368.4 25.11 323.10
 97.04 10 37 37 5879.16 22.79 281.29 14.21 108.61 12 15 37 5279.2 25.12 273.33
 100.00 10 3 13 701.61 18.77 309.89 12.54 113.70 10 14 55 101.6 21.82 302.41
 100.00 11 58 3 5621.14 26.92 263.52 15.52 103.50 13 31 44 5021.1 28.51 255.08
 110.00 9 49 32 744.68 12.55 309.72 9.12 122.06 10 1 57 144.7 16.69 303.06
 110.00 14 28 13 5150.84 33.88 229.14 16.82 94.88 15 54 4 4550.8 34.18 219.91

DIFFERENTIAL CORRECTIONS

TDE-1.7343 TRA -.5293 TC3-4.8640 BAU .7894
 RDE .2358 RRA .0076 RC3 .1368 FAU .09024
 FDE-2.6682 FRA .1524 FC3-6.4381 BSP 14084
 BDE 1.7503 BRA .5294 BC3 4.8659 FSP -1732

MID-COURSE EXECUTION ACCURACY

SGT 4540.2 SGR 399.7 SG3 542.7
 RRT -.7956 RRF -.8467 RTF .9619
 SGB 4557.8 R23 .1309 R13 -.9623
 SG1 4551.4 SG2 241.6 THA 175.98

ORBIT DETERMINATION ACCURACY

ST 2870.0 SR 387.9 SS 1680.9
 CRT -.9952 CRS .9993 CST -.9923
 LSA 3343.6 MSA 181.4 SSA 9.4
 EL1 2895.8 EL2 37.4 ALF 172.34

LAUNCH DATE JUN 21 1967

FLIGHT TIME 162.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 460.963

RL 152.02 LAL -1.00 LOL 268.96 VL 26.632 GAL -.66 AZL 94.38 HCA 214.72 SMA 128.01 ECC .18790 INC 4.3789 V1 29.306
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.852 GAP 5.69 AZP 86.40 TAL 182.84 TAP 37.56 RCA 103.96 APO 152.07 V2 35.257
 RC 125.861 GL -36.13 GP 10.76 ZAL 97.01 ZAP 146.08 ETS 17.05 ZAE 133.21 ETE 169.43 ZAC 105.68 ETC 18.88 CLP-147.64

PLANETOCENTRIC CONIC

C3 11.894 VHL 3.449 OLA -29.11 RAL 155.67 RAD 6567.5 VEL 11.545 PTH 2.01 VHP 4.562 DPA 22.41 RAP 163.22 ECC 1.1957
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.93 8 50 43 964.69 22.88 330.82 16.40 108.52 9 6 48 364.7 25.19 322.85
 97.07 10 47 44 5874.38 22.89 280.98 16.40 108.50 12 25 38 5274.4 25.20 273.01
 100.00 10 13 20 696.78 18.90 309.59 14.76 113.60 10 24 57 96.8 21.93 302.10
 100.00 12 7 48 5617.52 26.98 263.27 17.69 103.38 13 41 25 5017.5 28.55 254.82
 110.00 9 59 32 740.22 12.71 309.47 11.37 122.00 10 11 52 140.2 16.84 302.81
 110.00 14 38 5 5146.84 33.90 228.83 18.97 94.70 16 3 52 4546.8 34.18 219.60

DIFFERENTIAL CORRECTIONS

TDE-1.7715 TRA -.4417 TC3-5.1219 BAU .8145
 RDE .2181 RRA .0086 RC3 .0663 FAU .08507
 FDE-2.5035 FRA .2711 FC3-6.1922 BSP 14542
 BDE 1.7849 BRA .4417 BC3 5.1224 FSP -1658

MID-COURSE EXECUTION ACCURACY

SGT 4674.2 SGR 365.6 SG3 517.0
 RRT -.7267 RRF -.7744 RTF .9616
 SGB 4688.5 R23 .1071 R13 -.9620
 SG1 4681.8 SG2 250.7 THA 176.74

ORBIT DETERMINATION ACCURACY

ST 2955.7 SR 362.4 SS 1641.4
 CRT -.9969 CRS .9984 CST -.9925
 LSA 3395.7 MSA 176.5 SSA 10.4
 EL1 2977.7 EL2 28.3 ALF 173.03

LAUNCH DATE JUN 21 1967

FLIGHT TIME 164.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 467.002

RL 152.02 LAL -1.00 LOL 268.96 VL 26.597 GAL -.40 AZL 94.26 HCA 217.97 SMA 127.79 ECC .18980 INC 4.2595 V1 29.306
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.829 GAP 6.03 AZP 86.64 TAL 181.70 TAP 39.67 RCA 103.53 APO 152.04 V2 35.258
 RC 128.066 GL -35.21 GP 9.64 ZAL 95.03 ZAP 148.15 ETS 16.42 ZAE 132.63 ETE 170.85 ZAC 104.72 ETC 18.14 CLP-149.50

PLANETOCENTRIC CONIC

C3 11.737 VHL 3.426 OLA -29.22 RAL 158.25 RAD 6567.4 VEL 11.538 PTH 2.01 VHP 4.702 DPA 20.85 RAP 164.12 ECC 1.1932
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.45 8 57 10 974.18 23.02 331.57 18.81 108.52 9 13 24 374.2 25.34 323.59
 97.55 11 1 49 5859.32 23.03 279.92 18.81 108.50 12 39 28 5259.3 25.35 271.94
 100.00 10 27 48 680.41 19.35 308.58 17.30 113.24 10 39 8 80.4 22.33 301.05
 100.00 12 13 52 5628.32 26.81 264.02 20.01 103.74 13 47 40 5028.3 28.43 255.60
 110.00 10 11 17 732.38 12.99 309.04 13.85 121.90 10 23 30 132.4 17.11 302.36
 110.00 14 46 52 5149.12 33.89 229.01 21.35 94.80 16 12 41 4549.1 34.18 219.78

DIFFERENTIAL CORRECTIONS

TDE-1.8141 TRA -.3455 TC3-5.3390 BAU .8378
 RDE .2066 RRA .0110 RC3 .0065 FAU .07985
 FDE-2.3571 FRA .3818 FC3-5.8896 BSP 14970
 BDE 1.8259 BRA .3457 BC3 5.3390 FSP -1583

MID-COURSE EXECUTION ACCURACY

SGT 4798.5 SGR 346.1 SG3 491.5
 RRT -.6492 RRF -.6929 RTF .9612
 SGB 4811.0 R23 .0881 R13 -.9615
 SG1 4803.8 SG2 263.0 THA 177.31

ORBIT DETERMINATION ACCURACY

ST 3042.4 SR 345.5 SS 1604.8
 CRT -.9983 CRS .9968 CST -.9927
 LSA 3452.8 MSA 171.8 SSA 11.5
 EL1 3061.9 EL2 20.3 ALF 173.53

LAUNCH DATE JUN 21 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 473.021

RL 152.02 LAL - .00 LOL 268.96 VL 26.562 GAL - .13 AZL 94.16 MCA 221.21 SMA 127.55 ECC .19184 INC 4.1562 V1 29.306
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.805 GAP 6.38 AZP 86.87 TAL 180.53 TAP 41.75 RCA 103.08 APO 152.02 V2 35.259
 RC 130.261 GL -34.33 GP 8.71 ZAL 92.93 ZAP 150.07 ETS 15.89 ZAE 132.07 ETE 172.02 ZAC 103.59 ETC 17.48 CLP-151.26

PLANETOCENTRIC CONIC

C3 11.655 VHL 3.414 DLA -29.41 RAL 160.91 RAD 6567.4 VEL 11.534 PTH 2.01 VHP 4.849 DPA 19.43 RAP 165.19 ECC 1.1918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.70 9 1 50 991.79 23.19 332.93 21.41 108.61 9 18 22 391.8 25.52 324.95
 98.30 11 18 22 5838.78 23.21 278.46 21.42 108.59 12 55 41 5238.8 25.53 270.47
 100.00 10 46 23 653.18 20.07 306.88 20.15 112.63 10 57 16 53.2 22.96 299.27
 100.00 12 16 30 5652.63 26.40 265.71 22.47 104.55 13 50 42 5052.6 28.14 257.34
 110.00 10 24 27 722.26 13.35 308.48 16.55 121.76 10 36 30 122.3 17.46 301.78
 110.00 14 54 55 5156.30 33.84 229.57 23.96 95.13 16 20 51 4556.3 34.18 220.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8638 TRA - .2429 TC3-5.5284 BAU .8615 SGT 4924.6 SGR 338.2 SG3 468.9 ST 3133.1 SR 336.0 SS 1575.6
 RDE .2001 RRA .0146 RC3 - .0416 FAU .07519 RRT - .5742 RRF - .6129 RTF .9613 CRT - .9991 CRS .9946 CST - .9930
 FDE-2.2339 FRA .4784 FC3-5.5850 BSP 15425 SGB 4936.2 R23 .0722 R13 - .9615 LSA 3519.1 MSA 166.7 SSA 12.6
 BDE 1.8745 BRA .2433 BC3 5.5285 FSP -1522 SG1 4928.4 SG2 276.7 THA 177.73 EL1 3151.0 EL2 14.5 ALF 173.89

LAUNCH DATE JUN 21 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 479.020

RL 152.02 LAL - .00 LOL 268.96 VL 26.526 GAL .16 AZL 94.07 MCA 224.46 SMA 127.32 ECC .19403 INC 4.0655 V1 29.306
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.779 GAP 6.72 AZP 87.10 TAL 179.34 TAP 43.80 RCA 102.62 APO 152.03 V2 35.259
 RC 132.447 GL -33.45 GP 7.93 ZAL 90.71 ZAP 151.87 ETS 15.46 ZAE 131.54 ETE 172.98 ZAC 102.32 ETC 16.88 CLP-152.92

PLANETOCENTRIC CONIC

C3 11.643 VHL 3.412 DLA -29.65 RAL 163.66 RAD 6567.4 VEL 11.534 PTH 2.01 VHP 5.001 DPA 18.10 RAP 166.39 ECC 1.1916
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.82 9 5 58 1013.49 23.38 334.61 24.22 108.77 9 22 51 413.5 25.73 326.62
 99.18 11 36 10 5816.65 23.39 276.89 24.22 108.76 13 13 7 5216.7 25.74 268.90
 100.00 11 10 23 611.06 21.15 304.21 23.33 111.63 11 20 34 11.1 23.90 296.50
 100.00 12 14 26 5694.31 25.66 268.59 25.00 105.89 13 49 20 5094.3 27.59 260.32
 110.00 10 38 47 710.74 13.76 307.85 19.45 121.60 10 50 37 110.7 17.85 301.11
 110.00 15 2 32 5167.40 33.77 230.42 26.77 95.63 16 28 39 4567.4 34.18 221.20

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9078 TRA - .1262 TC3-5.6468 BAU .8791 SGT 5017.2 SGR 336.0 SG3 441.5 ST 3206.4 SR 329.3 SS 1529.6
 RDE .1960 RRA .0181 RC3 - .0852 FAU .06952 RRT - .4975 RRF - .5327 RTF .9597 CRT - .9991 CRS .9913 CST - .9930
 FDE-2.0975 FRA .5814 FC3-5.1694 BSP 15656 SGB 5028.4 R23 .0618 R13 - .9598 LSA 3564.0 MSA 163.4 SSA 13.7
 BDE 1.9178 BRA .1275 BC3 5.6474 FSP -1416 SG1 5020.0 SG2 291.3 THA 178.09 EL1 3223.2 EL2 13.9 ALF 174.14

LAUNCH DATE JUN 21 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 484.999

RL 152.02 LAL - .00 LOL 268.96 VL 26.489 GAL .46 AZL 93.98 MCA 227.71 SMA 127.09 ECC .19638 INC 3.9848 V1 29.306
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.753 GAP 7.06 AZP 87.32 TAL 178.13 TAP 45.84 RCA 102.13 APO 152.04 V2 35.258
 RC 134.624 GL -32.56 GP 7.26 ZAL 88.40 ZAP 153.56 ETS 15.11 ZAE 131.04 ETE 173.78 ZAC 100.93 ETC 16.33 CLP-154.51

PLANETOCENTRIC CONIC

C3 11.699 VHL 3.420 DLA -29.92 RAL 166.49 RAD 6567.4 VEL 11.536 PTH 2.01 VHP 5.160 DPA 16.84 RAP 167.71 ECC 1.1925
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.91 9 10 16 1036.90 23.56 336.42 27.20 108.99 9 27 33 436.9 25.94 328.42
 100.09 11 54 29 5795.25 23.57 275.37 27.20 108.98 13 31 5 5195.2 25.95 267.37
 79.91 9 10 16 1036.90 23.56 336.42 27.20 108.99 9 27 33 436.9 25.94 328.42
 100.09 11 54 29 5795.25 23.57 275.37 27.20 108.98 13 31 5 5195.2 25.95 267.37
 110.00 10 54 1 698.57 14.20 307.17 22.55 121.43 11 5 40 98.6 18.25 300.40
 110.00 15 9 55 5181.57 33.67 231.52 29.78 96.27 16 36 16 4581.6 34.17 222.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9599 TRA - .0066 TC3-5.7571 BAU .9006 SGT 5127.3 SGR 340.1 SG3 419.9 ST 3285.2 SR 328.0 SS 1495.1
 RDE .1956 RRA .0228 RC3 - .1161 FAU .06523 RRT - .4379 RRF - .4676 RTF .9600 CRT - .9983 CRS .9874 CST - .9933
 FDE-1.9882 FRA .6599 FC3-4.8267 BSP 16064 SGB 5138.6 R23 .0508 R13 - .9601 LSA 3620.8 MSA 158.3 SSA 14.7
 BDE 1.9697 BRA .0238 BC3 5.7583 FSP -1358 SG1 5129.5 SG2 305.6 THA 178.33 EL1 3301.5 EL2 19.0 ALF 174.31

LAUNCH DATE JUN 21 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 490.956

RL 152.02 LAL - .00 LOL 268.96 VL 26.453 GAL .77 AZL 93.91 MCA 230.95 SMA 126.85 ECC .19889 INC 3.9120 V1 29.306
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.726 GAP 7.41 AZP 87.53 TAL 176.89 TAP 47.85 RCA 101.62 APO 152.08 V2 35.256
 RC 136.791 GL -31.65 GP 6.69 ZAL 85.99 ZAP 155.15 ETS 14.83 ZAE 130.58 ETE 174.46 ZAC 99.42 ETC 15.83 CLP-156.02

PLANETOCENTRIC CONIC

C3 11.824 VHL 3.439 DLA -30.21 RAL 169.41 RAD 6567.5 VEL 11.542 PTH 2.01 VHP 5.323 DPA 15.64 RAP 169.13 ECC 1.1946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.02 9 15 10 1060.57 23.73 338.24 30.35 109.26 9 32 51 460.6 26.14 330.24
 100.98 12 12 51 5776.03 23.74 274.00 30.36 109.25 13 49 7 5176.0 26.15 266.00
 79.02 9 15 10 1060.57 23.73 338.24 30.35 109.26 9 32 51 460.6 26.14 330.24
 100.98 12 12 51 5776.03 23.74 274.00 30.36 109.25 13 49 7 5176.0 26.15 266.00
 110.00 11 9 57 686.47 14.63 306.49 25.82 121.25 11 21 24 86.5 18.66 299.70
 110.00 15 17 15 5198.13 33.54 232.79 32.96 97.01 16 43 53 4598.1 34.15 223.60

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0102 TRA .1269 TC3-5.8041 BAU .9178 SGT 5216.5 SGR 347.1 SG3 397.8 ST 3352.4 SR 329.5 SS 1456.1
 RDE .1975 RRA .0272 RC3 - .1412 FAU .06063 RRT - .3876 RRF - .4134 RTF .9593 CRT - .9966 CRS .9825 CST - .9935
 FDE-1.8818 FRA .7412 FC3-4.4394 BSP 16308 SGB 5228.0 R23 .0435 R13 - .9594 LSA 3666.5 MSA 154.8 SSA 15.6
 BDE 2.0199 BRA .1298 BC3 5.8058 FSP -1279 SG1 5218.2 SG2 319.9 THA 178.52 EL1 3368.4 EL2 27.1 ALF 174.41

LAUNCH DATE JUN 21 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 496.891

RL 152.02 LAL -.00 LOL 268.96 VL 26.415 GAL 1.10 AZL 93.85 MCA 234.20 SMA 126.61 ECC .20159 INC 3.8456 V1 29.306
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.698 GAP 7.76 AZP 87.75 TAL 175.64 TAP 49.84 RCA 101.09 APO 152.13 V2 35.254
 RC 138.949 GL -30.72 GP 6.20 ZAL 83.52 ZAP 156.66 ETS 14.62 ZAE 130.16 ETE 175.02 ZAC 97.82 ETC 15.38 CLP-157.46

PLANETOCENTRIC CONIC

C3 12.021 VHL 3.467 DLA -30.49 RAL 172.40 RAD 6567.5 VEL 11.550 PTH 2.02 VHP 5.492 DPA 14.48 RAP 170.64 ECC 1.1978
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.19 9 20 57 1083.60 23.87 340.02 33.67 109.56 9 39 0 483.6 26.32 332.02
 101.81 12 30 57 5759.93 23.88 272.85 33.68 109.55 14 6 57 5159.9 26.32 264.86
 78.19 9 20 57 1083.60 23.87 340.02 33.67 109.56 9 39 0 483.6 26.32 332.02
 101.81 12 30 57 5759.93 23.88 272.85 33.68 109.55 14 6 57 5159.9 26.32 264.86
 110.00 11 26 20 675.16 15.02 305.86 29.24 121.07 11 37 36 75.2 19.03 299.03
 110.00 15 24 43 5216.36 33.38 234.19 36.31 97.83 16 51 40 4616.4 34.10 225.03

DIFFERENTIAL CORRECTIONS

TDE-2.0644 TRA .2661 TC3-5.8261 BAU .9366
 RDE .2018 RRA .0317 RC3 -.1582 FAU .05667
 FDE-1.7881 FRA .8107 FC3-4.0814 BSP 16669
 BDE 2.0742 BRA .2680 BC3 5.8283 FSP -1224

MID-COURSE EXECUTION ACCURACY

SGT 5312.2 SGR 356.2 SG3 378.2
 RRT -.3506 RRF -.3723 RTF .9594
 SGB 5324.2 R23 .0369 R13 -.9594
 SG1 5313.7 SG2 333.5 THA 178.65

ORBIT DETERMINATION ACCURACY

ST 3417.1 SR 334.0 SS 1420.1
 CRT -.9940 CRS .9771 CST -.9937
 LSA 3712.3 MSA 151.3 SSA 16.5
 EL1 3433.2 EL2 36.2 ALF 174.45

LAUNCH DATE JUN 21 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 502.802

RL 152.02 LAL -.00 LOL 268.96 VL 26.378 GAL 1.44 AZL 93.78 MCA 237.45 SMA 126.37 ECC .20447 INC 3.7844 V1 29.306
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.668 GAP 8.12 AZP 87.96 TAL 174.37 TAP 51.81 RCA 100.53 APO 152.21 V2 35.251
 RC 141.095 GL -29.76 GP 5.77 ZAL 80.99 ZAP 158.10 ETS 14.49 ZAE 129.77 ETE 175.50 ZAC 96.14 ETC 14.96 CLP-158.84

PLANETOCENTRIC CONIC

C3 12.293 VHL 3.506 DLA -30.77 RAL 175.45 RAD 6567.5 VEL 11.562 PTH 2.02 VHP 5.667 DPA 13.34 RAP 172.21 ECC 1.2023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.44 9 27 40 1105.61 23.96 341.70 37.14 109.90 9 46 6 505.6 26.45 333.72
 102.56 12 48 35 5747.39 23.97 271.95 37.14 109.88 14 24 22 5147.4 26.46 263.96
 77.44 9 27 40 1105.61 23.96 341.70 37.14 109.90 9 46 6 505.6 26.45 333.72
 102.56 12 48 35 5747.39 23.97 271.95 37.14 109.88 14 24 22 5147.4 26.46 263.96
 110.00 11 42 56 665.34 15.37 305.31 32.81 120.92 11 54 2 65.3 19.35 298.45
 110.00 15 32 29 5235.66 33.19 235.67 39.81 98.68 16 59 45 4635.7 34.04 226.53

DIFFERENTIAL CORRECTIONS

TDE-2.1186 TRA .4158 TC3-5.8011 BAU .9538
 RDE .2079 RRA .0358 RC3 -.1693 FAU .05281
 FDE-1.7004 FRA .8761 FC3-3.7195 BSP 16963
 BDE 2.1287 BRA .4173 BC3 5.8036 FSP -1165

MID-COURSE EXECUTION ACCURACY

SGT 5399.9 SGR 366.3 SG3 359.4
 RRT -.3234 RRF -.3421 RTF .9594
 SGB 5412.3 R23 .0322 R13 -.9594
 SG1 5401.2 SG2 346.6 THA 178.74

ORBIT DETERMINATION ACCURACY

ST 3472.3 SR 340.4 SS 1382.9
 CRT -.9907 CRS .9711 CST -.9940
 LSA 3750.1 MSA 148.7 SSA 17.2
 EL1 3488.7 EL2 46.0 ALF 174.45

LAUNCH DATE JUN 21 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 508.689

RL 152.02 LAL -.00 LOL 268.96 VL 26.340 GAL 1.80 AZL 93.73 MCA 240.69 SMA 126.13 ECC .20755 INC 3.7275 V1 29.306
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.638 GAP 8.48 AZP 88.17 TAL 173.08 TAP 53.77 RCA 99.95 APO 152.31 V2 35.247
 RC 143.232 GL -28.77 GP 5.39 ZAL 78.42 ZAP 159.47 ETS 14.42 ZAE 129.41 ETE 175.92 ZAC 94.39 ETC 14.58 CLP-160.16

PLANETOCENTRIC CONIC

C3 12.646 VHL 3.556 DLA -31.01 RAL 178.56 RAD 6567.5 VEL 11.577 PTH 2.02 VHP 5.848 DPA 12.23 RAP 173.85 ECC 1.2081
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.79 9 35 24 1126.34 24.01 343.28 40.74 110.25 9 54 10 526.3 26.54 335.30
 103.21 13 5 36 5738.72 24.02 271.32 40.74 110.23 14 41 15 5138.7 26.55 263.34
 76.79 9 35 24 1126.34 24.01 343.28 40.74 110.25 9 54 10 526.3 26.54 335.30
 103.21 13 5 36 5738.72 24.02 271.32 40.74 110.23 14 41 15 5138.7 26.55 263.34
 110.00 11 59 29 657.68 15.64 304.87 36.49 120.79 12 10 27 57.7 19.60 298.00
 110.00 15 40 41 5255.38 32.98 237.17 43.45 99.55 17 8 17 4655.4 33.95 228.06

DIFFERENTIAL CORRECTIONS

TDE-2.1683 TRA .5789 TC3-5.7244 BAU .9682
 RDE .2157 RRA .0394 RC3 -.1753 FAU .04901
 FDE-1.6137 FRA .9403 FC3-3.3555 BSP 17183
 BDE 2.1790 BRA .5802 BC3 5.7271 FSP -1105

MID-COURSE EXECUTION ACCURACY

SGT 5474.0 SGR 376.6 SG3 341.0
 RRT -.3037 RRF -.3197 RTF .9591
 SGB 5486.9 R23 .0285 R13 -.9591
 SG1 5475.2 SG2 358.7 THA 178.80

ORBIT DETERMINATION ACCURACY

ST 3510.9 SR 348.3 SS 1341.1
 CRT -.9867 CRS .9644 CST -.9941
 LSA 3771.5 MSA 147.4 SSA 17.9
 EL1 3527.6 EL2 56.4 ALF 174.41

LAUNCH DATE JUN 21 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 514.549

RL 152.02 LAL -.00 LOL 268.96 VL 26.302 GAL 2.18 AZL 93.67 MCA 243.94 SMA 125.90 ECC .21085 INC 3.6741 V1 29.306
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.608 GAP 8.85 AZP 88.38 TAL 171.78 TAP 55.72 RCA 99.35 APO 152.44 V2 35.243
 RC 145.356 GL -27.75 GP 5.06 ZAL 75.82 ZAP 160.78 ETS 14.42 ZAE 129.09 ETE 176.27 ZAC 92.58 ETC 14.23 CLP-161.44

PLANETOCENTRIC CONIC

C3 13.087 VHL 3.618 DLA -31.23 RAL 181.69 RAD 6567.5 VEL 11.596 PTH 2.03 VHP 6.035 DPA 11.13 RAP 175.55 ECC 1.2154
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.25 9 44 6 1145.72 23.99 344.73 44.45 110.62 10 3 12 545.7 26.57 336.77
 103.75 13 21 56 5734.09 24.00 270.96 44.46 110.60 14 57 30 5134.1 26.59 263.00
 76.25 9 44 6 1145.72 23.99 344.73 44.45 110.62 10 3 12 545.7 26.57 336.77
 103.75 13 21 56 5734.09 24.00 270.96 44.46 110.60 14 57 30 5134.1 26.59 263.00
 110.00 12 15 44 652.90 15.80 304.60 40.27 120.71 12 26 36 52.9 19.76 297.72
 110.00 15 49 29 5274.89 32.75 238.64 47.21 100.39 17 17 24 4674.9 33.84 229.58

DIFFERENTIAL CORRECTIONS

TDE-2.2208 TRA .7488 TC3-5.6198 BAU .9837
 RDE .2253 RRA .0425 RC3 -.1760 FAU .04562
 FDE-1.5364 FRA .9965 FC3-3.0177 BSP 17461
 BDE 2.2322 BRA .7500 BC3 5.6225 FSP -1055

MID-COURSE EXECUTION ACCURACY

SGT 5552.2 SGR 386.9 SG3 324.4
 RRT -.2924 RRF -.3063 RTF .9593
 SGB 5565.7 R23 .0257 R13 -.9593
 SG1 5553.4 SG2 370.0 THA 178.83

ORBIT DETERMINATION ACCURACY

ST 3543.9 SR 357.6 SS 1301.7
 CRT -.9821 CRS .9576 CST -.9944
 LSA 3789.4 MSA 146.8 SSA 18.3
 EL1 3561.3 EL2 67.0 ALF 174.34

LAUNCH DATE JUN 21 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 520.380

RL 152.02 LAL -.00 LOL 268.96 VL 26.264 GAL 2.58 AZL 93.62 HCA 247.18 SMA 125.66 ECC .21439 INC 3.6237 V1 29.306
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.576 GAP 9.23 AZP 88.59 TAL 170.46 TAP 57.65 RCA 98.72 APO 152.60 V2 35.237
 RC 147.469 GL -26.70 GP 4.77 ZAL 73.21 ZAP 162.05 ETS 14.50 ZAE 128.79 ETE 176.57 ZAC 90.71 ETC 13.92 CLP-162.67

PLANETOCENTRIC CONIC

C3 13.625 VHL 3.691 DLA -31.40 RAL 184.85 RAD 6567.5 VEL 11.619 PTH 2.04 VHP 6.229 DPA 10.05 RAP 177.29 ECC 1.2242
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.84 9 53 48 1163.55 23.90 346.04 48.27 110.99 10 13 11 563.6 26.54 338.11
 104.16 13 37 24 5733.73 23.91 270.90 48.27 110.98 15 12 58 5133.7 26.55 262.96
 75.84 9 53 48 1163.55 23.90 346.04 48.27 110.99 10 13 11 563.6 26.54 338.11
 104.16 13 37 24 5733.73 23.91 270.90 48.27 110.98 15 12 58 5133.7 26.55 262.96
 110.00 12 31 23 651.64 15.85 304.53 44.12 120.69 12 42 15 51.6 19.80 297.64
 110.00 15 58 59 5293.64 32.51 240.05 51.08 101.19 17 27 13 4693.6 33.71 231.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2711 TRA .9296 TC3-5.4774 BAU .9982 SGT 5624.6 SGR 396.9 SG3 308.6 ST 3563.7 SR 367.8 SS 1260.8
 RDE .2364 RRA .0449 RC3 -.1725 FAU .04242 RRT -.2869 RRF -.2990 RTF .9596 CRT -.9771 CRS .9506 CST -.9946
 FDE-1.4630 FRA 1.0494 FC3-2.6954 BSP 17739 SGB 5638.6 R23 .0235 R13 -.9596 LSA 3795.1 MSA 147.3 SSA 18.6
 BDE 2.2834 BRA .9307 BC3 5.4801 FSP -1010 SG1 5625.8 SG2 380.2 THA 178.83 EL1 3581.8 EL2 77.8 ALF 174.24

LAUNCH DATE JUN 21 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 526.182

RL 152.02 LAL -.00 LOL 268.96 VL 26.226 GAL 2.99 AZL 93.58 HCA 250.43 SMA 125.42 ECC .21818 INC 3.5755 V1 29.306
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.544 GAP 9.61 AZP 88.80 TAL 169.14 TAP 59.57 RCA 98.06 APO 152.78 V2 35.231
 RC 149.570 GL -25.62 GP 4.51 ZAL 70.60 ZAP 163.26 ETS 14.67 ZAE 128.52 ETE 176.82 ZAC 88.79 ETC 13.63 CLP-163.86

PLANETOCENTRIC CONIC

C3 14.268 VHL 3.777 DLA -31.52 RAL 188.00 RAD 6567.6 VEL 11.647 PTH 2.04 VHP 6.431 DPA 8.98 RAP 179.08 ECC 1.2348
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.55 10 4 20 1180.14 23.74 347.23 52.16 111.37 10 24 0 580.1 26.43 339.32
 104.45 13 52 2 5737.42 23.75 271.11 52.17 111.35 15 27 40 5137.4 26.44 263.20
 75.55 10 4 20 1180.14 23.74 347.23 52.16 111.37 10 24 0 580.1 26.43 339.32
 104.45 13 52 2 5737.42 23.75 271.11 52.17 111.35 15 27 40 5137.4 26.44 263.20
 110.00 12 46 14 654.46 15.75 304.69 48.02 120.74 12 57 9 54.5 19.71 297.81
 110.00 16 9 18 5311.10 32.27 241.36 55.05 101.93 17 37 50 4711.1 33.58 232.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.3185 TRA 1.1222 TC3-5.2997 BAU 1.0115 SGT 5690.8 SGR 406.3 SG3 293.6 ST 3569.5 SR 378.4 SS 1218.3
 RDE .2489 RRA .0465 RC3 -.1658 FAU .03936 RRT -.2860 RRF -.2966 RTF .9597 CRT -.9717 CRS .9432 CST -.9947
 FDE-1.3924 FRA 1.1002 FC3-2.3884 BSP 17984 SGB 5705.3 R23 .0218 R13 -.9598 LSA 3787.6 MSA 149.2 SSA 18.7
 BDE 2.3318 BRA 1.1231 BC3 5.3023 FSP -965 SG1 5692.0 SG2 389.2 THA 178.82 EL1 3588.4 EL2 88.8 ALF 174.11

LAUNCH DATE JUN 21 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 531.951

RL 152.02 LAL -.00 LOL 268.96 VL 26.188 GAL 3.43 AZL 93.53 HCA 253.67 SMA 125.18 ECC .22224 INC 3.5293 V1 29.306
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.511 GAP 10.01 AZP 89.01 TAL 167.81 TAP 61.48 RCA 97.36 APO 153.00 V2 35.225
 RC 151.657 GL -24.52 GP 4.28 ZAL 68.01 ZAP 164.43 ETS 14.92 ZAE 128.27 ETE 177.05 ZAC 86.83 ETC 13.38 CLP-165.02

PLANETOCENTRIC CONIC

C3 15.030 VHL 3.877 DLA -31.59 RAL 191.14 RAD 6567.6 VEL 11.680 PTH 2.05 VHP 6.641 DPA 7.91 RAP 180.90 ECC 1.2474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.38 10 15 43 1195.26 23.50 348.27 56.12 111.74 10 35 38 595.3 26.24 340.40
 104.62 14 5 42 5745.43 23.51 271.61 56.12 111.72 15 41 27 5145.4 26.25 263.74
 75.38 10 15 43 1195.26 23.50 348.27 56.12 111.74 10 35 38 595.3 26.24 340.40
 104.62 14 5 42 5745.43 23.51 271.61 56.12 111.72 15 41 27 5145.4 26.25 263.74
 110.00 13 0 4 661.78 15.49 305.10 51.93 120.86 13 11 6 61.8 19.47 298.24
 110.00 16 20 31 5326.90 32.04 242.54 59.10 102.59 17 49 18 4726.9 33.44 233.59

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.3595 TRA 1.3302 TC3-5.0809 BAU 1.0214 SGT 5745.2 SGR 414.9 SG3 279.2 ST 3557.1 SR 389.0 SS 1172.9
 RDE .2627 RRA .0469 RC3 -.1567 FAU .03632 RRT -.2882 RRF -.2974 RTF .9597 CRT -.9658 CRS .9352 CST -.9948
 FDE-1.3220 FRA 1.1515 FC3-2.0918 BSP 18132 SGB 5760.1 R23 .0204 R13 -.9597 LSA 3762.5 MSA 152.8 SSA 18.6
 BDE 2.3741 BRA 1.3311 BC3 5.0834 FSP -917 SG1 5746.4 SG2 397.2 THA 178.80 EL1 3576.9 EL2 100.3 ALF 173.97

LAUNCH DATE JUN 21 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 537.684

RL 152.02 LAL -.00 LOL 268.96 VL 26.150 GAL 3.89 AZL 93.48 HCA 256.91 SMA 124.95 ECC .22660 INC 3.4847 V1 29.306
 RP 107.60 LAP 3.39 LOP 165.85 VP 37.477 GAP 10.42 AZP 89.21 TAL 166.47 TAP 63.38 RCA 96.63 APO 153.26 V2 35.217
 RC 153.730 GL -23.42 GP 4.07 ZAL 65.44 ZAP 165.57 ETS 15.27 ZAE 128.03 ETE 177.24 ZAC 84.83 ETC 13.15 CLP-166.14

PLANETOCENTRIC CONIC

C3 15.923 VHL 3.990 DLA -31.60 RAL 194.24 RAD 6567.6 VEL 11.718 PTH 2.06 VHP 6.860 DPA 6.85 RAP 182.75 ECC 1.2621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.35 10 27 51 1209.01 23.18 349.17 60.12 112.11 10 48 0 609.0 25.97 341.34
 104.65 14 18 18 5757.70 23.19 272.40 60.13 112.09 15 54 16 5157.7 25.98 264.57
 75.35 10 27 51 1209.01 23.18 349.17 60.12 112.11 10 48 0 609.0 25.97 341.34
 104.65 14 18 18 5757.70 23.19 272.40 60.13 112.09 15 54 16 5157.7 25.98 264.57
 110.00 13 12 43 673.90 15.07 305.79 55.83 121.05 13 23 57 73.9 19.07 298.96
 110.00 16 32 37 5340.81 31.83 243.57 63.22 103.17 18 1 38 4740.8 33.32 234.65

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4013 TRA 1.5460 TC3-4.8476 BAU 1.0324 SGT 5800.7 SGR 422.8 SG3 265.8 ST 3537.4 SR 399.6 SS 1129.7
 RDE .2778 RRA .0465 RC3 -.1453 FAU .03359 RRT -.2946 RRF -.3026 RTF .9600 CRT -.9597 CRS .9274 CST -.9949
 FDE-1.2584 FRA 1.1969 FC3-1.8263 BSP 18358 SGB 5816.1 R23 .0193 R13 -.9600 LSA 3731.5 MSA 157.0 SSA 18.3
 BDE 2.4174 BRA 1.5467 BC3 4.8497 FSP -878 SG1 5802.1 SG2 403.9 THA 178.76 EL1 3558.2 EL2 111.7 ALF 173.81

LAUNCH DATE JUN 21 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 543.378

RL 152.02 LAL -.00 LOL 268.96 VL 26.112 GAL 4.37 AZL 93.44 MCA 260.15 SMA 124.71 ECC .23129 INC 3.4412 V1 29.306
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.443 GAP 10.84 AZP 89.41 TAL 165.12 TAP 65.27 RCA 95.87 APO 153.56 V2 35.210
 RC 155.789 GL -22.30 GP 3.89 ZAL 62.91 ZAP 166.67 ETS 15.75 ZAE 127.82 ETE 177.40 ZAC 82.80 ETC 12.96 CLP-167.24

PLANETOCENTRIC CONIC

C3 16.963 VHL 4.119 DLA -31.56 RAL 197.29 RAD 6567.7 VEL 11.762 PTH 2.08 VHP 7.089 DPA 5.80 RAP 184.63 ECC 1.2792
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.44 10 40 42 1221.38 22.78 349.93 64.15 112.46 11 1 3 621.4 25.62 342.14
 104.56 14 29 48 5774.27 22.79 273.48 64.16 112.45 16 6 3 5174.3 25.63 265.69
 75.44 10 40 42 1221.38 22.78 349.93 64.15 112.46 11 1 3 621.4 25.62 342.14
 104.56 14 29 48 5774.27 22.79 273.48 64.16 112.45 16 6 3 5174.3 25.63 265.69
 110.00 13 24 7 690.85 14.47 306.74 59.71 121.31 13 35 38 90.9 18.51 299.95
 110.00 16 45 33 5352.79 31.64 244.45 67.40 103.66 18 14 46 4752.8 33.20 235.56

DIFFERENTIAL CORRECTIONS

TDE-2.4394 TRA 1.7755 TC3-4.5923 BAU 1.0419
 RDE .2941 RRA .0449 RC3 -.1325 FAU .03099
 FDE-1.1973 FRA 1.2418 FC3-1.5818 BSP 18557
 BDE 2.4571 BRA 1.7760 BC3 4.5942 FSP -840

MID-COURSE EXECUTION ACCURACY

SGT 5850.5 SGR 429.8 SG3 253.1
 RRT -.3035 RRF -.3103 RTF .9603
 SGB 5866.2 R23 .0183 R13 -.9603
 SG1 5851.9 SG2 409.4 TMA 178.72

ORBIT DETERMINATION ACCURACY

ST 3505.0 SR 409.8 SS 1086.3
 CRT -.9532 CRS .9191 CST -.9950
 LSA 3688.7 MSA 162.4 SSA 18.0
 EL1 3526.7 EL2 123.1 ALF 173.63

LAUNCH DATE JUN 21 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 549.030

RL 152.02 LAL -.00 LOL 268.96 VL 26.073 GAL 4.88 AZL 93.40 MCA 263.39 SMA 124.48 ECC .23632 INC 3.3986 V1 29.306
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.409 GAP 11.28 AZP 89.61 TAL 163.78 TAP 67.16 RCA 95.06 APO 153.90 V2 35.201
 RC 157.834 GL -21.18 GP 3.72 ZAL 60.44 ZAP 167.74 ETS 16.37 ZAE 127.62 ETE 177.54 ZAC 80.74 ETC 12.79 CLP-168.31

PLANETOCENTRIC CONIC

C3 18.169 VHL 4.262 DLA -31.47 RAL 200.28 RAD 6567.7 VEL 11.813 PTH 2.09 VHP 7.329 DPA 4.75 RAP 186.54 ECC 1.2990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.67 10 54 10 1232.42 22.30 350.55 68.19 112.80 11 14 42 632.4 25.19 342.81
 104.33 14 40 10 5795.08 22.31 274.83 68.20 112.79 16 16 45 5195.1 25.20 267.10
 75.67 10 54 10 1232.42 22.30 350.55 68.19 112.80 11 14 42 632.4 25.19 342.81
 104.33 14 40 10 5795.08 22.31 274.83 68.20 112.79 16 16 45 5195.1 25.20 267.10
 110.00 13 34 15 712.52 13.70 307.94 63.55 121.63 13 46 8 112.5 17.79 301.21
 110.00 16 59 14 5362.98 31.48 245.20 71.62 104.07 18 28 37 4763.0 33.09 236.34

DIFFERENTIAL CORRECTIONS

TDE-2.4744 TRA 2.0182 TC3-4.3205 BAU 1.0498
 RDE .3116 RRA .0420 RC3 -.1190 FAU .02852
 FDE-1.1396 FRA 1.2852 FC3-1.3588 BSP 18746
 BDE 2.4939 BRA 2.0186 BC3 4.3221 FSP -805

MID-COURSE EXECUTION ACCURACY

SGT 5894.4 SGR 436.0 SG3 241.2
 RRT -.3146 RRF -.3203 RTF .9606
 SGB 5910.5 R23 .0175 R13 -.9606
 SG1 5896.0 SG2 413.7 TMA 178.66

ORBIT DETERMINATION ACCURACY

ST 3461.9 SR 419.3 SS 1043.8
 CRT -.9463 CRS .9106 CST -.9951
 LSA 3636.1 MSA 168.6 SSA 17.6
 EL1 3484.6 EL2 134.6 ALF 173.45

LAUNCH DATE JUN 21 1967

FLIGHT TIME 194.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 554.634

RL 152.02 LAL -.00 LOL 268.96 VL 26.035 GAL 5.42 AZL 93.36 MCA 266.62 SMA 124.25 ECC .24174 INC 3.3565 V1 29.306
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.374 GAP 11.74 AZP 89.80 TAL 162.43 TAP 69.05 RCA 94.21 APO 154.28 V2 35.192
 RC 159.863 GL -20.07 GP 3.57 ZAL 58.02 ZAP 168.78 ETS 17.17 ZAE 127.43 ETE 177.66 ZAC 78.66 ETC 12.65 CLP-169.36

PLANETOCENTRIC CONIC

C3 19.561 VHL 4.423 DLA -31.32 RAL 203.19 RAD 6567.8 VEL 11.872 PTH 2.11 VHP 7.582 DPA 3.70 RAP 188.47 ECC 1.3219
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.02 11 8 12 1242.09 21.74 351.02 72.23 113.12 11 28 54 642.1 24.68 343.34
 103.98 14 49 18 5820.17 21.75 276.48 72.23 113.11 16 26 18 5220.2 24.69 268.79
 76.02 11 8 12 1242.09 21.74 351.02 72.23 113.12 11 28 54 642.1 24.68 343.34
 103.98 14 49 18 5820.17 21.75 276.48 72.23 113.11 16 26 18 5220.2 24.69 268.79
 110.00 13 43 10 738.61 12.77 309.39 67.33 121.98 13 55 28 138.6 16.90 302.72
 110.00 17 13 31 5371.65 31.33 245.83 75.87 104.42 18 43 3 4771.7 32.99 237.00

DIFFERENTIAL CORRECTIONS

TDE-2.5064 TRA 2.2750 TC3-4.0367 BAU 1.0560
 RDE .3299 RRA .0378 RC3 -.1052 FAU .02616
 FDE-1.0849 FRA 1.3278 FC3-1.1576 BSP 18915
 BDE 2.5280 BRA 2.2753 BC3 4.0381 FSP -770

MID-COURSE EXECUTION ACCURACY

SGT 5932.5 SGR 441.2 SG3 229.9
 RRT -.3276 RRF -.3322 RTF .9609
 SGB 5948.9 R23 .0167 R13 -.9609
 SG1 5934.3 SG2 416.7 TMA 178.60

ORBIT DETERMINATION ACCURACY

ST 3409.6 SR 427.8 SS 1002.4
 CRT -.9391 CRS .9018 CST -.9952
 LSA 3575.2 MSA 175.5 SSA 17.1
 EL1 3433.2 EL2 146.0 ALF 173.27

LAUNCH DATE JUN 21 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 560.186

RL 152.02 LAL -.00 LOL 268.96 VL 25.998 GAL 5.98 AZL 93.31 MCA 269.86 SMA 124.02 ECC .24757 INC 3.3148 V1 29.306
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.338 GAP 12.22 AZP 89.99 TAL 161.09 TAP 70.94 RCA 93.32 APO 154.72 V2 35.183
 RC 161.876 GL -18.96 GP 3.43 ZAL 55.68 ZAP 169.80 ETS 18.19 ZAE 127.25 ETE 177.76 ZAC 76.56 ETC 12.53 CLP-170.39

PLANETOCENTRIC CONIC

C3 21.166 VHL 4.601 DLA -31.13 RAL 206.00 RAD 6567.9 VEL 11.939 PTH 2.12 VHP 7.849 DPA 2.67 RAP 190.41 ECC 1.3483
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.50 11 22 50 1250.18 21.11 351.34 76.25 113.42 11 43 41 650.2 24.09 343.72
 103.50 14 57 7 5849.72 21.12 278.41 76.26 113.41 16 34 37 5249.7 24.10 270.79
 76.50 11 22 50 1250.18 21.11 351.34 76.25 113.42 11 43 41 650.2 24.09 343.72
 103.50 14 57 7 5849.72 21.12 278.41 76.26 113.41 16 34 37 5249.7 24.10 270.79
 110.00 13 50 56 768.70 11.67 311.03 71.05 122.36 14 3 44 168.7 15.86 304.43
 110.00 17 28 13 5379.20 31.20 246.38 80.13 104.72 18 57 52 4779.2 32.91 237.57

DIFFERENTIAL CORRECTIONS

TDE-2.5322 TRA 2.5504 TC3-3.7399 BAU 1.0586
 RDE .3491 RRA .0321 RC3 -.0919 FAU .02380
 FDE-1.0312 FRA 1.3720 FC3 -.9737 BSP 18985
 BDE 2.5561 BRA 2.5506 BC3 3.7411 FSP -734

MID-COURSE EXECUTION ACCURACY

SGT 5962.7 SGR 445.4 SG3 219.2
 RRT -.3415 RRF -.3447 RTF .9611
 SGB 5979.3 R23 .0158 R13 -.9612
 SG1 5964.0 SG2 480.4 TMA 178.60

ORBIT DETERMINATION ACCURACY

ST 3345.8 SR 435.0 SS 961.2
 CRT -.9311 CRS .8920 CST -.9952
 LSA 3503.4 MSA 183.3 SSA 16.6
 EL1 3370.3 EL2 157.5 ALF 173.08

LAUNCH DATE JUN 21 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 565.678

RL 152.02 LAL - .00 LOL 268.96 VL 25.960 GAL 6.58 AZL 93.27 MCA 273.09 SMA 123.79 ECC .25388 INC 3.2730 V1 29.306
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.303 GAP 12.72 AZP 90.18 TAL 159.75 TAP 72.84 RCA 92.37 APO 155.22 V2 35.172
 RC 163.875 GL -17.88 GP 3.31 ZAL 53.41 ZAP 170.80 ETS 19.50 ZAE 127.07 ETE 177.85 ZAC 74.44 ETC 12.45 CLP-171.41

PLANETOCENTRIC CONIC

C3 23.012 VHL 4.797 OLA -30.89 RAL 208.72 RAD 6567.9 VEL 12.016 PTH 2.14 VHP 8.132 DPA 1.64 RAP 192.38 ECC 1.3787
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.12 11 38 3 1256.62 20.41 351.50 80.24 113.70 11 58 59 656.6 23.43 343.93
 102.88 15 3 35 5883.75 20.42 280.65 80.25 113.69 16 41 38 5283.8 23.45 273.08
 77.12 11 38 3 1256.62 20.41 351.50 80.24 113.70 11 58 59 656.6 23.43 343.93
 102.88 15 3 35 5883.75 20.42 280.65 80.25 113.69 16 41 38 5283.8 23.45 273.08
 110.00 13 57 39 802.37 10.44 312.86 74.71 122.74 14 11 1 202.4 14.68 306.33
 110.00 17 43 9 5386.01 31.08 246.88 84.40 105.00 19 12 55 4786.0 32.83 238.09

DIFFERENTIAL CORRECTIONS

TDE-2.5595 TRA 2.8375 TC3-3.4488 BAU 1.0613
 RDE .3692 RRA .0250 RC3 -.0788 FAU .02168
 FDE -.9834 FRA 1.4135 FC3 -.8158 BSP 19136
 BDE 2.5860 BRA 2.8376 BC3 3.4497 FSP -704

MID-COURSE EXECUTION ACCURACY

SGT 5990.8 SGR 448.7 SG3 209.2
 RRT -.3574 RRF -.3594 RTF .9617
 SGB 6007.6 R23 .0150 R13 -.9617
 SG1 5993.0 SG2 418.9 THA 178.46

ORBIT DETERMINATION ACCURACY

ST 3280.2 SR 441.1 SS 923.7
 CRT -.9230 CRS .8824 CST -.9953
 LSA 3430.8 MSA 190.9 SSA 16.1
 EL1 3305.4 EL2 168.4 ALF 172.91

LAUNCH DATE JUN 21 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 571.104

RL 152.02 LAL - .00 LOL 268.96 VL 25.922 GAL 7.21 AZL 93.23 MCA 276.32 SMA 123.57 ECC .26069 INC 3.2311 V1 29.306
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.267 GAP 13.24 AZP 90.36 TAL 158.42 TAP 74.74 RCA 91.36 APO 155.78 V2 35.162
 RC 165.860 GL -16.81 GP 3.19 ZAL 51.22 ZAP 171.77 ETS 21.19 ZAE 126.90 ETE 177.93 ZAC 72.31 ETC 12.40 CLP-172.41

PLANETOCENTRIC CONIC

C3 25.134 VHL 5.013 OLA -30.61 RAL 211.32 RAD 6568.0 VEL 12.104 PTH 2.17 VHP 8.431 DPA .62 RAP 194.35 ECC 1.4136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.87 11 53 52 1261.08 19.64 351.47 84.20 113.96 12 14 53 661.1 22.71 343.97
 102.13 15 8 33 634.49 19.65 305.29 84.21 113.95 15 19 8 34.5 22.72 297.78
 77.87 11 53 52 1261.08 19.64 351.47 84.20 113.96 12 14 53 661.1 22.71 343.97
 102.13 15 8 33 634.49 19.65 305.29 84.21 113.95 15 19 8 34.5 22.72 297.78
 110.00 14 3 27 839.12 9.08 314.84 78.29 123.10 14 17 26 239.1 13.38 308.37
 110.00 17 58 9 5392.48 30.97 247.34 88.66 105.25 19 28 1 4792.5 32.75 238.58

DIFFERENTIAL CORRECTIONS

TDE-2.5847 TRA 3.1417 TC3-3.1584 BAU 1.0615
 RDE .3899 RRA .0162 RC3 -.0666 FAU .01964
 FDE -.9384 FRA 1.4556 FC3 -.6764 BSP 19264
 BDE 2.6139 BRA 3.1417 BC3 3.1591 FSP -675

MID-COURSE EXECUTION ACCURACY

SGT 6013.2 SGR 451.1 SG3 199.8
 RRT -.3742 RRF -.3749 RTF .9623
 SGB 6030.1 R23 .0140 R13 -.9623
 SG1 6015.6 SG2 418.1 THA 178.38

ORBIT DETERMINATION ACCURACY

ST 3209.5 SR 445.6 SS 888.2
 CRT -.9145 CRS .8725 CST -.9954
 LSA 3353.9 MSA 198.7 SSA 15.5
 EL1 3235.4 EL2 178.9 ALF 172.74

LAUNCH DATE JUN 21 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 576.455

RL 152.02 LAL - .00 LOL 268.96 VL 25.885 GAL 7.89 AZL 93.19 MCA 279.55 SMA 123.35 ECC .26806 INC 3.1887 V1 29.306
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.230 GAP 13.80 AZP 90.53 TAL 157.10 TAP 76.64 RCA 90.28 APO 156.41 V2 35.151
 RC 167.829 GL -15.76 GP 3.09 ZAL 49.12 ZAP 172.72 ETS 23.40 ZAE 126.73 ETE 177.99 ZAC 70.17 ETC 12.37 CLP-173.41

PLANETOCENTRIC CONIC

C3 27.573 VHL 5.251 OLA -30.29 RAL 213.82 RAD 6568.1 VEL 12.204 PTH 2.19 VHP 8.751 DPA -.39 RAP 196.34 ECC 1.4538
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.76 12 10 25 1263.08 18.81 351.23 88.12 114.19 12 31 28 663.1 21.92 343.78
 101.24 15 11 54 678.39 18.83 308.18 88.13 114.18 15 23 12 78.4 21.93 300.73
 78.76 12 10 25 1263.08 18.81 351.23 88.12 114.19 12 31 28 663.1 21.92 343.78
 101.24 15 11 54 678.39 18.83 308.18 88.13 114.18 15 23 12 78.4 21.93 300.73
 110.00 14 8 25 878.54 7.61 316.94 81.81 123.43 14 23 3 278.5 11.95 310.54
 110.00 18 13 4 5398.98 30.85 247.81 92.89 105.51 19 43 3 4799.0 32.67 239.07

DIFFERENTIAL CORRECTIONS

TDE-2.6085 TRA 3.4640 TC3-2.8721 BAU 1.0589
 RDE .4112 RRA .0058 RC3 -.0554 FAU .01767
 FDE -.8967 FRA 1.4983 FC3 -.5548 BSP 19374
 BDE 2.6407 BRA 3.4640 BC3 2.8726 FSP -647

MID-COURSE EXECUTION ACCURACY

SGT 6029.9 SGR 452.5 SG3 190.9
 RRT -.3919 RRF -.3913 RTF .9630
 SGB 6046.9 R23 .0131 R13 -.9631
 SG1 6032.6 SG2 416.1 THA 178.31

ORBIT DETERMINATION ACCURACY

ST 3135.9 SR 448.6 SS 855.5
 CRT -.9054 CRS .8622 CST -.9955
 LSA 3274.8 MSA 206.3 SSA 15.0
 EL1 3162.2 EL2 188.9 ALF 172.59

LAUNCH DATE JUN 21 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 581.720

RL 152.02 LAL - .00 LOL 268.96 VL 25.848 GAL 8.60 AZL 93.15 MCA 282.78 SMA 123.13 ECC .27607 INC 3.1454 V1 29.306
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.194 GAP 14.39 AZP 90.70 TAL 155.79 TAP 78.57 RCA 89.14 APO 157.12 V2 35.139
 RC 169.783 GL -14.74 GP 3.00 ZAL 47.11 ZAP 173.65 ETS 26.35 ZAE 126.55 ETE 178.04 ZAC 68.03 ETC 12.38 CLP-174.40

PLANETOCENTRIC CONIC

C3 30.380 VHL 5.512 OLA -29.95 RAL 216.19 RAD 6568.2 VEL 12.319 PTH 2.22 VHP 9.092 DPA -1.39 RAP 198.34 ECC 1.5000
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.82 12 27 53 1261.86 17.94 350.72 91.98 114.39 12 48 55 661.9 21.08 343.33
 100.18 15 13 23 728.08 17.95 311.47 91.99 114.38 15 25 31 128.1 21.09 304.08
 79.82 12 27 53 1261.86 17.94 350.72 91.98 114.39 12 48 55 661.9 21.08 343.33
 100.18 15 13 23 728.08 17.95 311.47 91.99 114.38 15 25 31 128.1 21.09 304.08
 110.00 14 12 39 920.20 6.04 319.15 85.25 123.71 14 28 0 320.2 10.43 312.81
 110.00 18 27 47 5405.78 30.73 248.30 97.10 105.77 19 57 53 4805.8 32.58 239.58

DIFFERENTIAL CORRECTIONS

TDE-2.6285 TRA 3.8087 TC3-2.5892 BAU 1.0518
 RDE .4328 RRA -.0064 RC3 -.0455 FAU .01572
 FDE -.8568 FRA 1.5432 FC3 -.4479 BSP 19391
 BDE 2.6639 BRA 3.8087 BC3 2.5896 FSP -617

MID-COURSE EXECUTION ACCURACY

SGT 6040.8 SGR 452.8 SG3 182.6
 RRT -.4099 RRF -.4078 RTF .9638
 SGB 6057.7 R23 .0119 R13 -.9639
 SG1 6043.6 SG2 412.8 THA 178.23

ORBIT DETERMINATION ACCURACY

ST 3058.1 SR 449.9 SS 824.6
 CRT -.8957 CRS .8511 CST -.9956
 LSA 3192.0 MSA 213.8 SSA 14.5
 EL1 3084.7 EL2 198.4 ALF 172.46

LAUNCH DATE JUN 21 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 586.886

RL 152.02 LAL -1.00 LOL 268.96 VL 25.812 GAL 9.37 AZL 93.10 MCA 286.00 SMA 122.91 ECC .28477 INC 3.1011 V1 29.306
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.158 GAP 15.02 AZP 90.86 TAL 154.51 TAP 80.51 RCA 87.91 APO 157.92 V2 35.128
 RC 171.722 GL -13.75 GP 2.91 ZAL 45.19 ZAP 174.55 ETS 30.40 ZAE 126.37 ETE 178.08 ZAC 65.89 ETC 12.42 CLP-175.40

PLANETOCENTRIC CONIC

C3 33.613 VHL 5.798 DLA -29.57 RAL 218.45 RAD 6568.3 VEL 12.449 PTH 2.25 VHP 9.457 DPA -2.37 RAP 200.35 ECC 1.5532
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.10 12 46 38 1256.10 17.01 349.85 95.79 114.56 13 7 34 656.1 20.18 342.52
 98.90 15 12 37 784.73 17.03 315.24 95.80 114.55 15 25 42 184.7 20.20 307.90
 100.00 14 44 15 875.50 13.70 320.31 94.14 116.83 14 58 51 275.5 17.19 313.26
 100.00 15 57 41 640.56 20.40 306.08 97.34 112.34 16 8 22 40.6 23.25 298.45
 110.00 14 16 15 963.76 4.39 321.44 88.62 123.93 14 32 19 363.8 8.82 315.15
 110.00 18 42 11 5413.10 30.59 248.83 101.27 106.06 20 12 24 4813.1 32.49 240.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6525 TRA 4.1707 TC3-2.3215 BAU 1.0433 SGT 6047.9 SGR 452.2 SG3 174.7 ST 2983.2 SR 449.7 SS 797.7
 RDE .4549 RRA -.0203 RC3 -.0367 FAU .01392 RRT -.4290 RRF -.4256 RTF .9649 CRT -.8859 CRS .8405 CST -.9958
 FDE -.8220 FRA 1.5879 FC3 -.3586 BSP 19486 SGB 6064.7 R23 .0108 R13 -.9649 LSA 3112.7 MSA 220.5 SSA 14.0
 BDE 2.6912 BRA 4.1708 BC3 2.3218 FSP -592 SG1 6051.0 SG2 408.3 THA 178.15 EL1 3009.8 EL2 206.8 ALF 172.36

LAUNCH DATE JUN 21 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 591.937

RL 152.02 LAL -1.00 LOL 268.96 VL 25.776 GAL 10.19 AZL 93.06 MCA 289.22 SMA 122.70 ECC .29425 INC 3.0553 V1 29.306
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.121 GAP 15.69 AZP 91.01 TAL 153.25 TAP 82.47 RCA 86.60 APO 158.81 V2 35.116
 RC 173.647 GL -12.78 GP 2.84 ZAL 43.37 ZAP 175.41 ETS 36.13 ZAE 126.19 ETE 178.12 ZAC 63.75 ETC 12.50 CLP-176.39

PLANETOCENTRIC CONIC

C3 37.343 VHL 6.111 DLA -29.18 RAL 220.58 RAD 6568.5 VEL 12.598 PTH 2.28 VHP 9.851 DPA -3.34 RAP 202.35 ECC 1.6146
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.67 13 7 29 1243.05 16.05 348.43 99.54 114.69 13 28 12 643.1 19.25 341.15
 97.33 15 8 47 850.93 16.06 319.67 99.55 114.69 15 22 57 250.9 19.26 312.39
 100.00 14 34 31 960.88 11.03 325.24 96.99 117.96 14 50 32 360.9 14.68 318.35
 100.00 16 24 26 608.34 21.22 304.04 101.87 111.56 16 34 34 8.3 23.96 296.32
 110.00 14 19 16 1008.91 2.67 323.80 91.93 124.09 14 36 5 408.9 7.13 317.55
 110.00 18 56 11 5421.11 30.44 249.41 105.38 106.36 20 26 32 4821.1 32.38 240.73

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6767 TRA 4.5557 TC3-2.0642 BAU 1.0306 SGT 6049.4 SGR 450.7 SG3 167.3 ST 2908.3 SR 447.7 SS 773.8
 RDE .4774 RRA -.0360 RC3 -.0292 FAU .01217 RRT -.4485 RRF -.4439 RTF .9662 CRT -.8757 CRS .8298 CST -.9960
 FDE -.7903 FRA 1.6345 FC3 -.2822 BSP 19559 SGB 6066.2 R23 .0096 R13 -.9662 LSA 3034.1 MSA 226.4 SSA 13.6
 BDE 2.7189 BRA 4.5559 BC3 2.0644 FSP -568 SG1 6052.8 SG2 402.6 THA 178.08 EL1 2934.7 EL2 214.3 ALF 172.28

LAUNCH DATE JUN 21 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 17 1968

HELIOCENTRIC CONIC

DISTANCE 596.855

RL 152.02 LAL -1.00 LOL 268.96 VL 25.740 GAL 11.06 AZL 93.01 MCA 292.44 SMA 122.49 ECC .30461 INC 3.0078 V1 29.306
 RP 107.96 LAP 2.78 LOP 201.43 VP 37.085 GAP 16.41 AZP 91.15 TAL 152.02 TAP 84.46 RCA 85.18 APO 159.81 V2 35.103
 RC 175.555 GL -11.85 GP 2.76 ZAL 41.65 ZAP 176.20 ETS 44.53 ZAE 125.98 ETE 178.15 ZAC 61.62 ETC 12.61 CLP-177.39

PLANETOCENTRIC CONIC

C3 41.657 VHL 6.454 DLA -28.76 RAL 222.59 RAD 6568.6 VEL 12.768 PTH 2.32 VHP 10.277 DPA -4.29 RAP 204.36 ECC 1.6856
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.76 13 32 26 1216.11 15.05 345.97 103.22 114.80 13 52 42 616.1 18.27 338.74
 95.24 14 59 51 933.11 15.07 325.24 103.23 114.79 15 15 24 333.1 18.29 318.01
 100.00 14 28 25 1034.41 8.65 329.40 99.93 118.73 14 45 39 434.4 12.42 322.64
 100.00 16 46 34 5878.09 21.67 280.78 106.17 111.11 18 24 32 5278.1 24.35 273.00
 110.00 14 21 45 1055.37 .90 326.23 95.17 124.17 14 39 20 455.4 5.37 320.01
 110.00 19 9 43 5429.89 30.27 250.03 109.44 106.70 20 40 13 4829.9 32.25 241.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7027 TRA 4.9660 TC3-1.8197 BAU 1.0135 SGT 6046.6 SGR 448.1 SG3 160.3 ST 2835.0 SR 444.1 SS 752.9
 RDE .5000 RRA -.0537 RC3 -.0229 FAU .01048 RRT -.4683 RRF -.4626 RTF .9676 CRT -.8652 CRS .8192 CST -.9962
 FDE -.7619 FRA 1.6836 FC3 -.2178 BSP 19613 SGB 6063.2 R23 .0084 R13 -.9676 LSA 2957.6 MSA 231.4 SSA 13.1
 BDE 2.7485 BRA 4.9663 BC3 1.8199 FSP -545 SG1 6050.3 SG2 395.7 THA 178.00 EL1 2861.0 EL2 220.6 ALF 172.23

LAUNCH DATE JUN 21 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 19 1968

HELIOCENTRIC CONIC

DISTANCE 601.617

RL 152.02 LAL -1.00 LOL 268.96 VL 25.705 GAL 12.01 AZL 92.96 MCA 295.66 SMA 122.29 ECC .31595 INC 2.9581 V1 29.306
 RP 107.99 LAP 2.67 LOP 204.65 VP 37.048 GAP 17.19 AZP 91.28 TAL 150.83 TAP 86.49 RCA 83.65 APO 160.93 V2 35.091
 RC 177.448 GL -10.95 GP 2.70 ZAL 40.02 ZAP 176.86 ETS 57.15 ZAE 125.76 ETE 178.18 ZAC 59.51 ETC 12.75 CLP-178.40

PLANETOCENTRIC CONIC

C3 46.663 VHL 6.831 DLA -28.32 RAL 224.47 RAD 6568.7 VEL 12.963 PTH 2.36 VHP 10.738 DPA -5.22 RAP 206.37 ECC 1.7680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 89.38 14 18 22 1120.33 14.03 338.46 106.83 114.86 14 37 2 520.3 17.27 331.28
 90.62 14 28 57 1085.99 14.04 335.96 106.84 114.85 14 47 3 486.0 17.28 328.78
 100.00 14 23 49 1102.63 6.40 333.21 102.87 119.26 14 42 12 502.6 10.25 326.54
 100.00 17 6 11 5866.96 21.94 280.06 110.33 110.82 18 43 58 5267.0 24.58 272.26
 110.00 14 23 44 1102.89 -.92 328.71 98.35 124.17 14 42 7 502.9 3.57 322.50
 110.00 19 22 45 5439.47 30.08 250.71 113.43 107.06 20 53 25 4839.5 32.12 242.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7277 TRA 5.4070 TC3-1.5855 BAU .9892 SGT 6038.9 SGR 444.5 SG3 153.8 ST 2761.8 SR 438.8 SS 734.6
 RDE .5225 RRA -.0735 RC3 -.0179 FAU .00876 RRT -.4882 RRF -.4813 RTF .9692 CRT -.8542 CRS .8081 CST -.9964
 FDE -.7354 FRA 1.7368 FC3 -.1625 BSP 19572 SGB 6055.3 R23 .0070 R13 -.9692 LSA 2881.6 MSA 235.7 SSA 12.6
 BDE 2.7773 BRA 5.4075 BC3 1.5856 FSP -521 SG1 6042.8 SG2 387.7 THA 177.93 EL1 2787.3 EL2 226.0 ALF 172.22

LAUNCH DATE JUN 21 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 21 1968

HELIOCENTRIC CONIC

DISTANCE 606.193

RL 152.02 LAL -.00 LOL 268.96 VL 25.670 GAL 13.03 AZL 92.91 MCA 298.88 SMA 122.09 ECC .32841 INC 2.9056 V1 29.306
 RP 108.03 LAP 2.54 LOP 207.87 VP 37.012 GAP 18.04 AZP 91.40 TAL 149.69 TAP 88.57 RCA 81.99 APO 162.19 V2 35.078
 RC 179.325 GL -10.08 GP 2.64 ZAL 38.50 ZAP 177.30 ETS 75.47 ZAE 125.52 ETE 178.20 ZAC 57.41 ETC 12.94 CLP -179.43

PLANETOCENTRIC CONIC

C3 52.490 VHL 7.245 OLA -27.87 RAL 226.23 RAD 6568.9 VEL 13.185 PTH 2.41 VHP 11.241 DPA -6.13 RAP 208.37 ECC 1.8639
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 46 42 1275.43 8.89 347.25 108.33 117.00 14 7 58 675.4 12.44 340.37
 90.00 15 14 38 989.60 17.17 330.34 112.27 112.87 15 31 8 389.6 20.12 322.91
 100.00 14 20 0 1167.79 4.22 336.82 105.79 119.62 14 39 27 567.8 8.13 330.22
 100.00 17 24 1 5860.51 22.10 279.65 114.36 110.66 19 1 42 5260.5 24.71 271.82
 110.00 14 25 15 1151.26 -2.77 331.23 101.46 124.08 14 44 27 551.3 1.72 325.03
 110.00 19 35 15 5449.81 29.87 251.45 117.34 107.45 21 6 5 4849.8 31.96 242.86

DIFFERENTIAL CORRECTIONS

TDE-2.7606 TRA 5.8743 TC3-1.3689 BAU .9606
 RDE .5453 RRA -.0952 RC3 -.0139 FAU .00714
 FDE -.7137 FRA 1.7922 FC3 -.1177 BSP 19616
 BDE 2.8139 BRA 5.8750 BC3 1.3689 FSP -500

MID-COURSE EXECUTION ACCURACY

SGT 6026.5 SGR 440.0 SG3 147.6
 RRT -.5087 RRF -.5008 RTF .9710
 SGB 6042.5 R23 .0057 R13 -.9710
 SG1 6030.6 SG2 378.6 THA 177.86

ORBIT DETERMINATION ACCURACY

ST 2693.6 SR 432.0 SS 720.3
 CRT -.8437 CRS .7981 CST -.9967
 LSA 2811.4 MSA 238.4 SSA 12.2
 EL1 2718.3 EL2 229.8 ALF 172.24

LAUNCH DATE JUN 21 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 23 1968

HELIOCENTRIC CONIC

DISTANCE 610.548

RL 152.02 LAL -.00 LOL 268.96 VL 25.636 GAL 14.13 AZL 92.85 MCA 302.09 SMA 121.89 ECC .34213 INC 2.8498 V1 29.306
 RP 108.07 LAP 2.41 LOP 211.08 VP 36.976 GAP 18.96 AZP 91.51 TAL 148.60 TAP 90.69 RCA 80.19 APO 163.60 V2 35.065
 RC 181.185 GL -9.24 GP 2.58 ZAL 37.09 ZAP 177.37 ETS 98.06 ZAE 125.25 ETE 178.22 ZAC 55.34 ETC 13.16 CLP 179.52

PLANETOCENTRIC CONIC

C3 59.302 VHL 7.701 OLA -27.41 RAL 227.86 RAD 6569.1 VEL 13.441 PTH 2.46 VHP 11.792 DPA -7.02 RAP 210.35 ECC 1.9760
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 34 22 1367.30 6.02 352.47 110.83 117.72 13 57 9 767.3 9.68 345.70
 90.00 15 39 59 957.79 18.00 328.38 116.53 112.24 15 55 57 357.8 20.86 320.87
 100.00 14 16 34 1230.91 2.08 340.29 108.67 119.83 14 37 5 630.9 6.04 333.74
 100.00 17 40 27 5857.45 22.17 279.45 118.27 110.58 19 18 5 5257.4 24.77 271.61
 110.00 14 26 19 1200.27 -4.64 333.80 104.50 123.91 14 46 20 600.3 -.15 327.58
 110.00 19 47 11 5460.85 29.64 252.23 121.16 107.86 21 18 12 4860.9 31.79 243.68

DIFFERENTIAL CORRECTIONS

TDE-2.7982 TRA 6.3758 TC3-1.1665 BAU .9249
 RDE .5681 RRA -.1189 RC3 -.0109 FAU .00552
 FDE -.6953 FRA 1.8519 FC3 -.0806 BSP 19644
 BDE 2.8553 BRA 6.3769 BC3 1.1666 FSP -481

MID-COURSE EXECUTION ACCURACY

SGT 6009.8 SGR 434.6 SG3 141.8
 RRT -.5292 RRF -.5206 RTF .9730
 SGB 6025.5 R23 .0044 R13 -.9730
 SG1 6014.2 SG2 368.4 THA 177.80

ORBIT DETERMINATION ACCURACY

ST 2628.2 SR 423.7 SS 709.1
 CRT -.8332 CRS .7886 CST -.9969
 LSA 2744.4 MSA 239.9 SSA 11.7
 EL1 2652.0 EL2 232.2 ALF 172.29

LAUNCH DATE JUN 21 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 25 1968

HELIOCENTRIC CONIC

DISTANCE 614.638

RL 152.02 LAL -.00 LOL 268.96 VL 25.603 GAL 15.34 AZL 92.79 MCA 305.30 SMA 121.71 ECC .35729 INC 2.7899 V1 29.306
 RP 108.11 LAP 2.28 LOP 214.29 VP 36.941 GAP 19.97 AZP 91.61 TAL 147.59 TAP 92.89 RCA 78.22 APO 165.19 V2 35.052
 RC 183.028 GL -8.42 GP 2.53 ZAL 35.78 ZAP 177.03 ETS 119.05 ZAE 124.94 ETE 178.23 ZAC 53.30 ETC 13.43 CLP 178.45

PLANETOCENTRIC CONIC

C3 67.303 VHL 8.204 OLA -26.94 RAL 229.36 RAD 6569.3 VEL 13.735 PTH 2.51 VHP 12.397 DPA -7.88 RAP 212.32 ECC 2.1076
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 25 40 1446.40 3.49 356.91 113.43 118.12 13 49 47 846.4 7.23 350.22
 90.00 16 0 38 939.76 18.46 327.26 120.51 111.86 16 16 18 339.8 21.26 319.71
 100.00 14 13 19 1292.51 -.00 343.67 111.49 119.89 14 34 51 692.5 3.97 337.14
 100.00 17 55 41 5856.92 22.18 279.41 122.05 110.57 19 33 18 5256.9 24.78 271.58
 110.00 14 26 56 1249.73 -6.51 336.41 107.46 123.63 14 47 46 649.7 -2.04 330.16
 110.00 19 58 33 5472.46 29.40 253.04 124.87 108.29 21 29 45 4872.5 31.61 244.53

DIFFERENTIAL CORRECTIONS

TDE-2.8410 TRA 6.9149 TC3 -.9776 BAU .8797
 RDE .5907 RRA -.1447 RC3 -.0089 FAU .00388
 FDE -.6802 FRA 1.9169 FC3 -.0499 BSP 19638
 BDE 2.9018 BRA 6.9164 BC3 .9777 FSP -462

MID-COURSE EXECUTION ACCURACY

SGT 5987.9 SGR 428.1 SG3 136.3
 RRT -.5498 RRF -.5407 RTF .9751
 SGB 6003.2 R23 .0031 R13 -.9751
 SG1 5992.5 SG2 357.3 THA 177.74

ORBIT DETERMINATION ACCURACY

ST 2565.2 SR 414.0 SS 701.3
 CRT -.8229 CRS .7797 CST -.9973
 LSA 2680.6 MSA 240.0 SSA 11.2
 EL1 2587.9 EL2 233.1 ALF 172.37

LAUNCH DATE JUN 21 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 27 1968

HELIOCENTRIC CONIC

DISTANCE 618.407

RL 152.02 LAL -.00 LOL 268.96 VL 25.571 GAL 16.65 AZL 92.73 MCA 308.51 SMA 121.52 ECC .37410 INC 2.7252 V1 29.306
 RP 108.16 LAP 2.13 LOP 217.50 VP 36.906 GAP 21.08 AZP 91.70 TAL 146.65 TAP 95.16 RCA 76.06 APO 166.98 V2 35.039
 RC 184.853 GL -7.64 GP 2.49 ZAL 34.59 ZAP 176.35 ETS 134.47 ZAE 124.60 ETE 178.24 ZAC 51.30 ETC 13.74 CLP 177.33

PLANETOCENTRIC CONIC

C3 76.752 VHL 8.761 OLA -26.45 RAL 230.73 RAD 6569.5 VEL 14.075 PTH 2.57 VHP 13.066 DPA -8.70 RAP 214.27 ECC 2.2631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 18 35 1519.16 1.15 .97 116.02 118.30 13 43 54 919.2 4.92 354.33
 90.00 16 18 39 928.74 18.74 326.57 124.28 111.63 16 34 7 328.7 21.51 318.99
 100.00 14 10 4 1352.88 -2.05 346.98 114.24 119.83 14 32 37 752.9 1.93 340.46
 100.00 18 9 51 5858.29 22.15 279.50 125.69 110.60 19 47 29 5258.3 24.76 271.67
 110.00 14 27 5 1299.45 -8.37 339.05 110.35 123.26 14 48 45 699.5 -3.94 332.77
 110.00 20 9 19 5484.48 29.14 253.88 128.46 108.72 21 40 43 4884.5 31.41 245.41

DIFFERENTIAL CORRECTIONS

TDE-2.8879 TRA 7.5006 TC3 -.8007 BAU .8217
 RDE .6131 RRA -.1729 RC3 -.0077 FAU .00214
 FDE -.6674 FRA 1.9894 FC3 -.0241 BSP 19535
 BDE 2.9523 BRA 7.5026 BC3 .8008 FSP -442

MID-COURSE EXECUTION ACCURACY

SGT 5962.8 SGR 420.6 SG3 131.2
 RRT -.5703 RRF -.5607 RTF .9773
 SGB 5977.7 R23 .0018 R13 -.9773
 SG1 5967.7 SG2 345.2 THA 177.69

ORBIT DETERMINATION ACCURACY

ST 2504.1 SR 402.8 SS 696.5
 CRT -.8126 CRS .7709 CST -.9975
 LSA 2619.3 MSA 238.9 SSA 10.8
 EL1 2525.6 EL2 232.7 ALF 172.49

LAUNCH DATE JUN 22 1967

FLIGHT TIME 70.00

ARRIVAL DATE AUG 31 1967

HELIOCENTRIC CONIC

DISTANCE 164.430

RL 152.03 LAL .00 LOL 269.91 VL 23.406 GAL -1.68 AZL 93.63 HCA 67.72 SMA 110.78 ECC .37343 INC 3.6253 V1 29.304
 RP 108.87 LAP -3.35 LOP 337.60 VP 35.215 GAP -21.91 AZP 91.38 TAL 182.83 TAP 250.55 RCA 69.41 APO 152.14 V2 34.809
 RC 42.849 GL -13.83 GP -2.12 ZAL 97.38 ZAP 9.56 ETS 167.28 ZAE 164.70 ETE 40.16 ZAC 98.72 ETC 14.04 CLP 9.33

PLANETOCENTRIC CONIC

C3 38.284 VHL 6.187 DLA -9.65 RAL 167.44 RAD 6568.5 VEL 12.635 PTH 2.29 VHP 13.216 DPA 6.33 RAP 168.48 ECC 1.6301
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 46 37 2071.25 -15.85 32.61 37.65 113.77 6 21 9 1471.2 -12.51 25.53
 90.00 15 17 52 5323.37 27.47 242.03 43.86 82.86 16 46 35 4723.4 26.20 233.59
 100.00 7 3 13 1824.14 -17.12 13.84 37.05 114.89 7 33 37 1224.1 -13.62 6.79
 100.00 16 43 57 5045.70 28.85 221.39 43.65 81.82 18 8 3 4445.7 27.42 212.88
 110.00 8 0 40 1644.26 -20.47 358.43 35.29 117.99 8 28 4 1044.3 -16.57 351.48
 110.00 18 3 0 4798.36 32.54 201.88 42.92 78.91 19 22 58 4198.4 30.67 193.17

DIFFERENTIAL CORRECTIONS

TDE .3795 TRA -.7047 TC3 .1414 BAU .0843
 RDE -.4169 RRA -.1705 RC3 .0846 FAU .02134
 FDE -.3092 FRA .2460 FC3 -.4825 BSP 2085
 BDE .5637 BRA .7250 BC3 .1648 FSP -136

MID-COURSE EXECUTION ACCURACY

SGT 769.6 SGR 430.8 SG3 60.6
 RRT -.0342 RRF .0365 RTF -.6634
 SGB 882.0 R23 -.0036 R13 .6636
 SG1 769.8 SG2 430.5 THA 178.41

ORBIT DETERMINATION ACCURACY

ST 403.7 SR 389.0 SS 337.0
 CRT -.8030 CRS -.9332 CST .9609
 LSA 629.8 MSA 176.0 SSA 16.1
 EL1 532.3 EL2 175.8 ALF 136.32

LAUNCH DATE JUN 22 1967

FLIGHT TIME 72.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 171.068

RL 152.03 LAL .08 LOL 269.91 VL 23.768 GAL -1.76 AZL 93.58 HCA 70.89 SMA 112.38 ECC .35403 INC 3.5751 V1 29.304
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.463 GAP -20.66 AZP 91.17 TAL 183.22 TAP 254.11 RCA 72.59 APO 152.16 V2 34.815
 RC 42.995 GL -14.68 GP -2.23 ZAL 98.24 ZAP 7.84 ETS 163.49 ZAE 162.69 ETE 34.53 ZAC 97.43 ETC 13.95 CLP 7.52

PLANETOCENTRIC CONIC

C3 34.185 VHL 5.847 DLA -10.07 RAL 166.28 RAD 6568.3 VEL 12.472 PTH 2.26 VHP 12.511 DPA 5.70 RAP 169.70 ECC 1.5626
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 45 21 2028.90 -14.67 30.06 34.60 114.49 6 19 10 1428.9 -11.25 23.05
 90.00 15 9 50 5308.49 27.34 240.96 40.71 82.34 16 38 18 4708.5 26.00 232.55
 100.00 7 1 42 1782.55 -15.91 11.34 34.00 115.65 7 31 25 1182.5 -12.33 4.38
 100.00 16 36 9 5030.07 28.69 220.26 40.49 81.24 17 59 59 4430.1 27.19 211.78
 110.00 7 58 38 1604.28 -19.18 356.05 32.24 118.86 8 25 22 1004.3 -15.18 349.22
 110.00 17 55 43 4781.10 32.31 200.59 39.73 78.18 19 15 24 4181.1 30.34 191.93

DIFFERENTIAL CORRECTIONS

TDE .3798 TRA -.6801 TC3 .1846 BAU .0945
 RDE -.3962 RRA -.1595 RC3 .0929 FAU .02254
 FDE -.3284 FRA .2393 FC3 -.5708 BSP 2173
 BDE .5488 BRA .6986 BC3 .2067 FSP -153

MID-COURSE EXECUTION ACCURACY

SGT 802.1 SGR 433.3 SG3 67.3
 RRT -.0390 RRF .0433 RTF -.6809
 SGB 911.6 R23 -.0058 R13 .6811
 SG1 802.3 SG2 432.9 THA 178.30

ORBIT DETERMINATION ACCURACY

ST 424.0 SR 391.2 SS 357.0
 CRT -.8127 CRS -.9403 CST .9598
 LSA 655.0 MSA 175.9 SSA 16.7
 EL1 549.4 EL2 175.9 ALF 137.83

LAUNCH DATE JUN 22 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 177.732

RL 152.03 LAL .00 LOL 269.91 VL 24.101 GAL -1.86 AZL 93.53 HCA 74.06 SMA 113.92 ECC .33600 INC 3.5269 V1 29.304
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.694 GAP -19.47 AZP 90.97 TAL 183.68 TAP 257.73 RCA 75.64 APO 152.19 V2 34.822
 RC 43.312 GL -15.52 GP -2.35 ZAL 99.23 ZAP 6.16 ETS 157.50 ZAE 160.65 ETE 30.03 ZAC 96.16 ETC 13.87 CLP 5.69

PLANETOCENTRIC CONIC

C3 30.668 VHL 5.538 DLA -10.43 RAL 164.98 RAD 6568.2 VEL 12.331 PTH 2.22 VHP 11.838 DPA 5.06 RAP 170.89 ECC 1.5047
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 43 6 1989.64 -13.55 27.72 31.54 115.10 6 16 16 1389.6 -10.06 20.78
 90.00 15 1 42 5293.08 27.20 239.85 37.50 81.80 16 29 55 4693.1 25.78 231.47
 100.00 6 59 16 1743.95 -14.76 9.05 30.94 116.29 7 28 20 1144.0 -11.11 2.17
 100.00 16 28 14 5014.01 28.52 219.10 37.27 80.65 17 51 48 4414.0 26.94 210.65
 110.00 7 55 44 1567.12 -17.94 353.88 29.18 119.60 8 21 51 967.1 -13.86 347.14
 110.00 17 48 15 4763.60 32.06 199.29 36.48 77.44 19 7 38 4163.6 30.00 190.68

DIFFERENTIAL CORRECTIONS

TDE .3822 TRA -.6527 TC3 .2378 BAU .1059
 RDE -.3769 RRA -.1492 RC3 .1011 FAU .02392
 FDE -.3498 FRA .2300 FC3 -.6752 BSP 2312
 BDE .5368 BRA .6696 BC3 .2584 FSP -174

MID-COURSE EXECUTION ACCURACY

SGT 835.0 SGR 435.0 SG3 74.8
 RRT -.0467 RRF .0515 RTF -.7006
 SGB 941.6 R23 -.0066 R13 .7008
 SG1 835.4 SG2 434.4 THA 178.09

ORBIT DETERMINATION ACCURACY

ST 446.0 SR 392.8 SS 378.2
 CRT -.8248 CRS -.9475 CST .9596
 LSA 682.3 MSA 174.5 SSA 17.3
 EL1 568.2 EL2 174.3 ALF 139.38

LAUNCH DATE JUN 22 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 184.420

RL 152.03 LAL .00 LOL 269.91 VL 24.407 GAL -1.97 AZL 93.48 HCA 77.22 SMA 115.38 ECC .31928 INC 3.4801 V1 29.304
 RP 108.80 LAP -3.39 LOP 347.11 VP 35.908 GAP -18.34 AZP 90.77 TAL 184.20 TAP 261.43 RCA 78.54 APO 152.22 V2 34.830
 RC 43.796 GL -16.35 GP -2.48 ZAL 100.35 ZAP 4.57 ETS 146.96 ZAE 158.63 ETE 26.36 ZAC 94.91 ETC 13.80 CLP 3.84

PLANETOCENTRIC CONIC

C3 27.655 VHL 5.259 DLA -10.74 RAL 163.56 RAD 6568.1 VEL 12.208 PTH 2.19 VHP 11.194 DPA 4.42 RAP 172.04 ECC 1.4551
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 39 54 1953.81 -12.51 25.60 28.47 115.61 6 12 28 1353.8 -8.96 18.72
 90.00 14 53 34 5277.18 27.04 238.72 34.26 81.26 16 21 31 4677.2 25.55 230.36
 100.00 6 55 53 1708.68 -13.68 6.99 27.88 116.84 7 24 22 1108.7 -9.98 .16
 100.00 16 20 16 4997.55 28.33 217.91 34.02 80.05 17 43 34 4397.5 26.67 209.50
 110.00 7 51 59 1533.04 -16.78 351.91 26.13 120.23 8 17 32 933.0 -12.64 345.25
 110.00 17 40 40 4745.95 31.79 197.98 33.20 76.71 18 59 46 4145.9 29.63 189.44

DIFFERENTIAL CORRECTIONS

TDE .3845 TRA -.6249 TC3 .2974 BAU .1171
 RDE -.3591 RRA -.1394 RC3 .1088 FAU .02546
 FDE -.3732 FRA .2182 FC3 -.7971 BSP 2432
 BDE .5261 BRA .6403 BC3 .3167 FSP -197

MID-COURSE EXECUTION ACCURACY

SGT 868.1 SGR 436.0 SG3 83.2
 RRT -.0553 RRF .0613 RTF -.7183
 SGB 971.4 R23 -.0082 R13 .7186
 SG1 868.6 SG2 435.1 THA 177.87

ORBIT DETERMINATION ACCURACY

ST 467.8 SR 394.0 SS 400.2
 CRT -.8368 CRS -.9545 CST .9592
 LSA 710.0 MSA 172.6 SSA 18.0
 EL1 586.9 EL2 171.9 ALF 140.82

LAUNCH DATE JUN 22 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 191.125

RL 152.03 LAL .00 LOL 269.91 VL 24.687 GAL -2.08 AZL 93.43 MCA 80.39 SMA 116.78 ECC .30383 INC 3.4345 V1 29.304
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.107 GAP -17.26 AZP 90.57 TAL 184.79 TAP 265.18 RCA 81.30 APO 152.26 V2 34.838
 RC 44.440 GL -17.17 GP -2.62 ZAL 101.58 ZAP 3.27 ETS 126.33 ZAE 156.68 ETE 23.31 ZAC 93.71 ETC 13.75 CLP 1.95

PLANETOCENTRIC CONIC

C3 25.076 VHL 5.008 OLA -10.97 RAL 162.03 RAD 6568.0 VEL 12.102 PTH 2.17 VHP 10.580 DPA 3.78 RAP 173.16 ECC 1.4127
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 35 46 1921.69 -11.55 23.73 25.42 116.03 6 7 48 1321.7 -7.96 16.89
 90.00 14 45 32 5260.79 26.86 237.55 31.01 80.70 16 13 12 4660.8 25.30 229.23
 100.00 6 51 37 1677.00 -12.70 5.15 24.83 117.29 7 19 34 1077.0 -8.95 358.37
 100.00 16 12 22 4980.71 28.13 216.70 30.76 79.45 17 35 23 4380.7 26.39 208.33
 110.00 7 47 23 1502.31 -15.72 350.17 23.10 120.75 8 12 26 902.3 -11.53 343.57
 110.00 17 33 5 4728.16 31.50 196.68 29.91 75.99 18 51 53 4128.2 29.26 188.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3870 TRA -.5963 TC3 .3647 BAU .1283 SGT 901.4 SGR 436.1 SG3 92.6 ST 489.5 SR 394.7 SS 422.4
 RDE -.3426 RRA -.1304 RC3 .1156 FAU .02720 RRT -.0654 RRF .0722 RTF -.7353 CRT -.8490 CRS -.9612 CST .9590
 FDE -.3983 FRA .2036 FC3 -.9390 BSP 2569 SGB 1001.3 R23 -.0096 R13 .7356 LSA 737.9 MSA 170.2 SSA 18.7
 BDE .5168 BRA .6104 BC3 .3826 FSP -224 SG1 902.0 SG2 434.9 THA 177.64 EL1 605.8 EL2 168.5 ALF 142.17

LAUNCH DATE JUN 22 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 197.843

RL 152.03 LAL .00 LOL 269.91 VL 24.944 GAL -2.21 AZL 93.39 MCA 83.57 SMA 118.11 ECC .28960 INC 3.3897 V1 29.304
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.291 GAP -16.23 AZP 90.38 TAL 185.44 TAP 269.00 RCA 83.90 APO 152.31 V2 34.846
 RC 45.237 GL -17.95 GP -2.78 ZAL 102.91 ZAP 2.78 ETS 90.00 ZAE 154.84 ETE 20.73 ZAC 92.54 ETC 13.71 CLP .02

PLANETOCENTRIC CONIC

C3 22.871 VHL 4.782 OLA -11.14 RAL 160.41 RAD 6567.9 VEL 12.010 PTH 2.14 VHP 9.993 DPA 3.13 RAP 174.24 ECC 1.3764
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 43 1893.49 -10.71 22.09 22.40 116.37 6 2 17 1293.5 -7.08 15.29
 90.00 14 37 41 5243.89 26.67 236.35 27.77 80.12 16 5 5 4643.9 25.04 228.06
 100.00 6 46 28 1649.13 -11.83 3.54 21.82 117.65 7 13 57 1049.1 -8.03 356.81
 100.00 16 4 37 4963.49 27.91 215.47 27.51 78.84 17 27 21 4363.5 26.09 207.14
 110.00 7 42 2 1475.13 -14.77 348.63 20.11 121.18 8 6 37 875.1 -10.53 342.10
 110.00 17 25 33 4710.25 31.20 195.37 26.64 75.27 18 44 3 4110.3 28.86 186.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3897 TRA -.5677 TC3 .4376 BAU .1388 SGT 934.8 SGR 435.5 SG3 103.2 ST 511.3 SR 395.0 SS 445.4
 RDE -.3276 RRA -.1220 RC3 .1210 FAU .02917 RRT -.0775 RRF .0851 RTF -.7501 CRT -.8611 CRS -.9675 CST .9586
 FDE -.4261 FRA .1858 FC3-1.1042 BSP 2696 SGB 1031.2 R23 -.0111 R13 .7505 LSA 766.4 MSA 167.6 SSA 19.4
 BDE .5091 BRA .5807 BC3 .4541 FSP -255 SG1 935.5 SG2 433.8 THA 177.37 EL1 624.8 EL2 164.3 ALF 143.43

LAUNCH DATE JUN 22 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 204.571

RL 152.03 LAL .00 LOL 269.91 VL 25.179 GAL -2.34 AZL 93.35 MCA 86.74 SMA 119.36 ECC .27654 INC 3.3454 V1 29.304
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.462 GAP -15.24 AZP 90.19 TAL 186.14 TAP 272.88 RCA 86.35 APO 152.37 V2 34.856
 RC 46.178 GL -18.69 GP -2.96 ZAL 104.33 ZAP 3.55 ETS 56.06 ZAE 153.16 ETE 18.51 ZAC 91.43 ETC 13.68 CLP -1.96

PLANETOCENTRIC CONIC

C3 20.988 VHL 4.581 OLA -11.24 RAL 158.73 RAD 6567.9 VEL 11.932 PTH 2.12 VHP 9.432 DPA 2.48 RAP 175.26 ECC 1.3454
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 50 1869.37 -9.97 20.70 19.43 116.64 5 56 0 1269.4 -6.32 13.92
 90.00 14 30 7 5226.48 26.46 235.12 24.57 79.54 15 57 14 4626.5 24.75 226.87
 100.00 6 40 31 1625.19 -11.07 2.17 18.86 117.95 7 7 36 1025.2 -7.24 355.47
 100.00 15 57 7 4945.89 27.67 214.21 24.31 78.22 17 19 33 4345.9 25.77 205.93
 110.00 7 35 57 1451.60 -13.94 347.32 17.18 121.53 8 0 9 851.6 -9.66 340.83
 110.00 17 18 11 4692.24 30.88 194.06 23.42 74.56 18 36 23 4092.2 28.45 185.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3917 TRA -.5371 TC3 .5198 BAU .1500 SGT 967.3 SGR 434.0 SG3 115.2 ST 531.4 SR 395.0 SS 468.5
 RDE -.3139 RRA -.1142 RC3 .1247 FAU .03140 RRT -.0907 RRF .0997 RTF -.7663 CRT -.8731 CRS -.9733 CST .9585
 FDE -.4560 FRA .1646 FC3-1.2951 BSP 2830 SGB 1060.3 R23 -.0129 R13 .7667 LSA 794.0 MSA 164.4 SSA 20.1
 BDE .5019 BRA .5491 BC3 .5345 FSP -289 SG1 968.3 SG2 431.8 THA 177.09 EL1 642.7 EL2 159.2 ALF 144.51

LAUNCH DATE JUN 22 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 211.304

RL 152.03 LAL .00 LOL 269.91 VL 25.394 GAL -2.46 AZL 93.30 MCA 89.91 SMA 120.54 ECC .26458 INC 3.3014 V1 29.304
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.620 GAP -14.29 AZP 90.01 TAL 186.89 TAP 276.80 RCA 88.64 APO 152.43 V2 34.865
 RC 47.255 GL -19.38 GP -3.16 ZAL 105.81 ZAP 5.09 ETS 37.80 ZAE 151.65 ETE 16.55 ZAC 90.38 ETC 13.67 CLP -3.99

PLANETOCENTRIC CONIC

C3 19.382 VHL 4.403 OLA -11.28 RAL 157.00 RAD 6567.8 VEL 11.864 PTH 2.10 VHP 8.896 DPA 1.84 RAP 176.22 ECC 1.3190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 18 11 1849.36 -9.36 19.55 16.53 116.85 5 49 0 1249.4 -5.69 12.79
 90.00 14 22 57 5208.55 26.24 233.85 21.44 78.95 15 49 46 4608.6 24.45 225.64
 100.00 6 33 51 1605.23 -10.43 1.03 15.97 118.17 7 0 36 1005.2 -6.58 354.36
 100.00 15 49 58 4927.90 27.41 212.94 21.16 77.59 17 12 6 4327.9 25.43 204.70
 110.00 7 29 14 1431.78 -13.23 346.22 14.32 121.81 7 53 6 831.8 -8.93 339.76
 110.00 17 11 4 4674.13 30.55 192.76 20.25 73.85 18 28 59 4074.1 28.03 184.46

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3931 TRA -.5074 TC3 .6047 BAU .1601 SGT 999.3 SGR 432.0 SG3 128.7 ST 550.3 SR 394.7 SS 492.1
 RDE -.3015 RRA -.1072 RC3 .1262 FAU .03391 RRT -.1061 RRF .1171 RTF -.7797 CRT -.8843 CRS -.9785 CST .9581
 FDE -.4891 FRA .1394 FC3-1.5145 BSP 2944 SGB 1088.7 R23 -.0158 R13 .7803 LSA 821.1 MSA 161.6 SSA 20.8
 BDE .4954 BRA .5186 BC3 .6178 FSP -327 SG1 1000.6 SG2 429.0 THA 176.78 EL1 659.5 EL2 153.8 ALF 145.47

LAUNCH DATE JUN 22 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 218.039

RL 152.03 LAL .00 LOL 269.91 VL 25.589 GAL -2.59 AZL 93.26 HCA 93.09 SMA 121.64 ECC .25369 INC 3.2574 V1 29.304
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.765 GAP -13.38 AZP 89.82 TAL 187.68 TAP 280.77 RCA 90.78 APO 152.50 V2 34.875
 RC 48.458 GL -20.01 GP -3.39 ZAL 107.34 ZAP 6.97 ETS 28.36 ZAE 150.33 ETE 14.80 ZAC 89.39 ETC 13.67 CLP -6.09

PLANETOCENTRIC CONIC

C3 18.015 VHL 4.244 DLA -11.24 RAL 155.24 RAD 6567.7 VEL 11.807 PTH 2.09 VHP 8.386 DPA 1.20 RAP 177.11 ECC 1.2965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 10 52 1833.42 -8.87 18.63 13.72 117.00 5 41 26 1233.4 -5.18 11.90
 90.00 14 16 16 5190.11 25.99 232.56 18.39 78.34 15 42 46 4590.1 24.12 224.39
 100.00 6 26 34 1589.23 -9.91 .12 13.16 118.35 6 53 3 989.2 -6.05 353.47
 100.00 15 43 16 4909.53 27.14 211.64 18.11 76.96 17 5 5 4309.5 25.07 203.45
 110.00 7 22 0 1415.62 -12.64 345.33 11.54 122.03 7 45 36 815.6 -8.32 338.90
 110.00 17 4 19 4655.91 30.19 191.45 17.18 73.15 18 21 55 4055.9 27.59 183.23

DIFFERENTIAL CORRECTIONS

TDE .3935 TRA -.4775 TC3 .6927 BAU .1695
 RDE -.2904 RRA -.1009 RC3 .1249 FAU .03675
 FDE -.5252 FRA .1102 FC3-1.7662 BSP 3059
 BDE .4891 BRA .4881 BC3 .7038 FSP -372

MID-COURSE EXECUTION ACCURACY

SGT 1029.5 SGR 429.2 SG3 143.9
 RRT -.1236 RRF .1370 RTF -.7920
 SGB 1115.4 R23 -.0191 R13 .7927
 SG1 1031.1 SG2 425.2 THA 176.44

ORBIT DETERMINATION ACCURACY

ST 566.9 SR 394.3 SS 515.7
 CRT -.8948 CRS -.9831 CST .9575
 LSA 846.8 MSA 159.0 SSA 21.6
 EL1 674.5 EL2 148.0 ALF 146.26

LAUNCH DATE JUN 22 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 224.772

RL 152.03 LAL .00 LOL 269.91 VL 25.767 GAL -2.72 AZL 93.21 HCA 96.27 SMA 122.67 ECC .24379 INC 3.2130 V1 29.304
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.899 GAP -12.51 AZP 89.65 TAL 188.49 TAP 284.76 RCA 92.76 APO 152.57 V2 34.886
 RC 49.776 GL -20.57 GP -3.64 ZAL 108.89 ZAP 9.03 ETS 22.92 ZAE 149.23 ETE 13.21 ZAC 88.48 ETC 13.68 CLP -8.27

PLANETOCENTRIC CONIC

C3 16.852 VHL 4.105 DLA -11.13 RAL 153.49 RAD 6567.7 VEL 11.757 PTH 2.08 VHP 7.899 DPA .56 RAP 177.92 ECC 1.2773
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 1 1821.43 -8.50 17.95 11.01 117.11 5 33 22 1221.4 -4.80 11.22
 90.00 14 10 8 5171.18 25.72 231.24 15.45 77.73 15 36 19 4571.2 23.77 223.11
 100.00 6 18 46 1577.04 -9.52 359.43 10.47 118.47 6 45 3 977.0 -5.64 352.79
 100.00 15 37 4 4890.80 26.84 210.33 15.16 76.33 16 58 35 4290.8 24.70 202.18
 110.00 7 14 20 1403.01 -12.19 344.64 8.88 122.19 7 37 43 803.0 -7.85 338.23
 110.00 16 57 59 4637.60 29.82 190.16 14.22 72.47 18 15 16 4037.6 27.14 182.00

DIFFERENTIAL CORRECTIONS

TDE .3953 TRA -.4456 TC3 .7867 BAU .1793
 RDE -.2805 RRA -.0954 RC3 .1202 FAU .04004
 FDE -.5661 FRA .0747 FC3-2.0571 BSP 3215
 BDE .4847 BRA .4557 BC3 .7958 FSP -425

MID-COURSE EXECUTION ACCURACY

SGT 1059.9 SGR 426.0 SG3 161.4
 RRT -.1468 RRF .1613 RTF -.8053
 SGB 1142.3 R23 -.0213 R13 .8062
 SG1 1062.1 SG2 420.5 THA 176.00

ORBIT DETERMINATION ACCURACY

ST 583.9 SR 393.7 SS 540.8
 CRT -.9059 CRS -.9871 CST .9574
 LSA 873.8 MSA 155.9 SSA 22.2
 EL1 690.0 EL2 141.1 ALF 147.03

LAUNCH DATE JUN 22 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 231.500

RL 152.03 LAL .00 LOL 269.91 VL 25.929 GAL -2.84 AZL 93.17 HCA 99.45 SMA 123.62 ECC .23484 INC 3.1681 V1 29.304
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.023 GAP -11.68 AZP 89.48 TAL 189.33 TAP 288.78 RCA 94.59 APO 152.65 V2 34.897
 RC 51.201 GL -21.06 GP -3.92 ZAL 110.44 ZAP 11.23 ETS 19.47 ZAE 148.36 ETE 11.72 ZAC 87.67 ETC 13.71 CLP -10.54

PLANETOCENTRIC CONIC

C3 15.862 VHL 3.983 DLA -10.97 RAL 151.76 RAD 6567.6 VEL 11.715 PTH 2.06 VHP 7.435 DPA -.07 RAP 178.63 ECC 1.2611
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 54 44 1813.16 -8.24 17.48 8.43 117.19 5 24 57 1213.2 -4.53 10.76
 90.00 14 4 36 5151.81 25.43 229.89 12.64 77.12 15 30 28 4551.8 23.41 221.81
 100.00 6 10 35 1568.46 -9.24 358.95 7.90 118.56 6 36 43 968.5 -5.36 352.32
 100.00 15 31 27 4871.74 26.53 209.00 12.34 75.70 16 52 38 4271.7 24.30 200.91
 110.00 7 6 22 1393.75 -11.85 344.13 6.33 122.30 7 29 36 793.7 -7.50 337.74
 110.00 16 52 9 4619.22 29.44 188.86 11.38 71.79 18 9 8 4019.2 26.67 180.77

DIFFERENTIAL CORRECTIONS

TDE .3943 TRA -.4160 TC3 .8763 BAU .1873
 RDE -.2718 RRA -.0906 RC3 .1117 FAU .04374
 FDE -.6103 FRA .0345 FC3-2.3874 BSP 3321
 BDE .4788 BRA .4258 BC3 .8834 FSP -484

MID-COURSE EXECUTION ACCURACY

SGT 1086.5 SGR 422.4 SG3 181.0
 RRT -.1714 RRF .1891 RTF -.8154
 SGB 1165.7 R23 -.0258 R13 .8165
 SG1 1089.3 SG2 415.0 THA 175.54

ORBIT DETERMINATION ACCURACY

ST 586.3 SR 393.0 SS 565.3
 CRT -.9149 CRS -.9904 CST .9566
 LSA 897.4 MSA 154.1 SSA 22.8
 EL1 701.3 EL2 134.9 ALF 147.56

LAUNCH DATE JUN 22 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 238.221

RL 152.03 LAL .00 LOL 269.91 VL 26.075 GAL -2.95 AZL 93.12 HCA 102.63 SMA 124.50 ECC .22677 INC 3.1223 V1 29.304
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.136 GAP -10.88 AZP 89.32 TAL 190.17 TAP 292.80 RCA 96.27 APO 152.73 V2 34.908
 RC 52.722 GL -21.47 GP -4.24 ZAL 111.97 ZAP 13.57 ETS 17.12 ZAE 147.73 ETE 10.32 ZAC 86.96 ETC 13.74 CLP -12.90

PLANETOCENTRIC CONIC

C3 15.021 VHL 3.876 DLA -10.74 RAL 150.08 RAD 6567.6 VEL 11.679 PTH 2.05 VHP 6.994 DPA -.69 RAP 179.25 ECC 1.2472
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 46 11 1808.35 -8.09 17.20 5.99 117.23 5 16 19 1208.4 -4.38 10.49
 90.00 13 59 45 5132.05 25.13 228.53 9.97 76.50 15 25 17 4532.1 23.02 220.49
 100.00 6 2 9 1563.23 -9.07 358.66 5.47 118.61 6 28 13 963.2 -5.18 352.03
 100.00 15 26 28 4852.41 26.20 207.66 9.67 75.07 16 47 20 4252.4 23.89 199.62
 110.00 6 58 14 1387.61 -11.63 343.80 3.93 122.37 7 21 22 787.6 -7.27 337.41
 110.00 16 46 52 4600.79 29.04 187.58 8.70 71.12 18 3 33 4000.8 26.19 179.56

DIFFERENTIAL CORRECTIONS

TDE .3913 TRA -.3874 TC3 .9613 BAU .1941
 RDE -.2640 RRA -.0866 RC3 .0989 FAU .04792
 FDE -.6584 FRA -.0113 FC3-2.7617 BSP 3409
 BDE .4720 BRA .3969 BC3 .9663 FSP -550

MID-COURSE EXECUTION ACCURACY

SGT 1108.9 SGR 418.5 SG3 203.2
 RRT -.1997 RRF .2214 RTF -.8238
 SGB 1185.2 R23 -.0317 R13 .8253
 SG1 1112.5 SG2 408.8 THA 175.02

ORBIT DETERMINATION ACCURACY

ST 604.7 SR 392.2 SS 589.5
 CRT -.9228 CRS -.9930 CST .9554
 LSA 918.2 MSA 152.9 SSA 23.4
 EL1 709.2 EL2 128.9 ALF 147.91

LAUNCH DATE JUN 22 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 244.932

RL 152.03 LAL .00 LOL 269.91 VL 26.207 GAL -3.06 AZL 93.08 HCA 105.81 SMA 125.31 ECC .21952 INC 3.0754 V1 29.304
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.240 GAP -10.11 AZP 89.16 TAL 191.01 TAP 296.83 RCA 97.80 APO 152.82 V2 34.920
 RC 54.330 GL -21.79 GP -4.60 ZAL 113.48 ZAP 16.04 ETS 15.44 ZAE 147.35 ETE 8.95 ZAC 86.37 ETC 13.79 CLP -15.38

PLANETOCENTRIC CONIC

C3 14.304 VHL 3.782 DLA -10.46 RAL 148.47 RAD 6567.6 VEL 11.649 PTH 2.04 VHP 6.576 DPA -1.31 RAP 179.74 ECC 1.2354
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 37 28 1806.68 -8.04 17.11 3.71 117.24 5 7 35 1206.7 -4.33 10.40
 90.00 13 55 36 5111.98 24.80 227.15 7.47 75.88 15 20 48 4512.0 22.62 219.16
 100.00 5 53 37 1561.04 -9.00 358.53 3.19 118.63 6 19 38 961.0 -5.11 351.90
 100.00 15 22 9 4832.85 25.85 206.31 7.16 74.44 16 42 42 4232.8 23.46 198.32
 110.00 6 50 3 1384.32 -11.51 343.62 1.69 122.41 7 13 7 784.3 -7.15 337.24
 110.00 16 42 12 4582.34 28.63 186.30 6.17 70.47 17 58 34 3982.3 25.70 178.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3869 TRA -.3596 TC3 1.0404 BAU .1996 SGT 1126.8 SGR 414.8 SG3 228.4 ST 609.7 SR 391.5 SS 614.1
 RDE -.2572 RRA -.0834 RC3 .0813 FAU .05267 RRT -.2328 RRF .2595 RTF -.8309 CRT -.9297 CRS -.9949 CST .9539
 FDE -.7116 FRA -.0642 FC3-3.1879 BSP 3483 SGB 1200.7 R23 -.0389 R13 .8328 LSA 937.2 MSA 152.5 SSA 23.7
 BDE .4646 BRA .3691 BC3 1.0435 FSP -627 SG1 1131.5 SG2 401.8 THA 174.39 EL1 714.0 EL2 123.2 ALF 148.10

LAUNCH DATE JUN 22 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 251.631

RL 152.03 LAL .00 LOL 269.91 VL 26.326 GAL -3.16 AZL 93.03 HCA 109.00 SMA 126.05 ECC .21304 INC 3.0269 V1 29.304
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.335 GAP -9.36 AZP 89.01 TAL 191.84 TAP 300.84 RCA 99.20 APO 152.91 V2 34.932
 RC 56.016 GL -22.03 GP -5.01 ZAL 114.92 ZAP 18.66 ETS 14.19 ZAE 147.24 ETE 7.59 ZAC 85.92 ETC 13.84 CLP -18.00

PLANETOCENTRIC CONIC

C3 13.693 VHL 3.700 DLA -10.14 RAL 146.94 RAD 6567.5 VEL 11.622 PTH 2.04 VHP 6.179 DPA -1.92 RAP 180.09 ECC 1.2253
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 28 44 1807.81 -8.08 17.17 1.59 117.23 4 58 52 1207.8 -4.36 10.46
 90.00 13 52 10 5091.64 24.46 225.76 5.13 75.26 15 17 2 4491.6 22.19 217.82
 100.00 5 45 4 1561.58 -9.01 358.56 1.08 118.62 6 11 5 961.6 -5.12 351.93
 100.00 15 18 32 4813.11 25.48 204.96 4.82 73.82 16 38 45 4213.1 23.02 197.03
 110.00 6 41 54 1383.57 -11.48 343.58 359.60 122.42 7 4 58 783.6 -7.12 337.20
 110.00 16 38 11 4563.88 28.20 185.03 3.82 69.83 17 54 15 3963.9 25.19 177.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3809 TRA -.3333 TC3 1.1118 BAU .2038 SGT 1140.1 SGR 411.7 SG3 257.1 ST 610.8 SR 391.0 SS 639.0
 RDE -.2513 RRA -.0810 RC3 .0580 FAU .05810 RRT -.2713 RRF .3039 RTF -.8367 CRT -.9355 CRS -.9963 CST .9522
 FDE -.7703 FRA -.1241 FC3-3.6734 BSP 3545 SGB 1212.1 R23 -.0479 R13 .8392 LSA 954.2 MSA 152.9 SSA 24.0
 BDE .4563 BRA .3430 BC3 1.1134 FSP -715 SG1 1146.3 SG2 394.1 THA 173.65 EL1 715.6 EL2 117.9 ALF 148.12

LAUNCH DATE JUN 22 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 258.315

RL 152.03 LAL .00 LOL 269.91 VL 26.432 GAL -3.25 AZL 92.98 HCA 112.19 SMA 126.73 ECC .20727 INC 2.9765 V1 29.304
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.421 GAP -8.65 AZP 88.87 TAL 192.64 TAP 304.83 RCA 100.46 APO 153.00 V2 34.945
 RC 57.772 GL -22.19 GP -5.47 ZAL 116.30 ZAP 21.43 ETS 13.24 ZAE 147.39 ETE 6.19 ZAC 85.62 ETC 13.89 CLP -20.75

PLANETOCENTRIC CONIC

C3 13.169 VHL 3.629 DLA -9.77 RAL 145.52 RAD 6567.5 VEL 11.600 PTH 2.03 VHP 5.805 DPA -2.51 RAP 180.29 ECC 1.2167
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 20 6 1811.40 -8.19 17.37 359.64 117.20 4 50 17 1211.4 -4.48 10.66
 90.00 13 49 29 5071.09 24.09 224.36 2.98 74.65 15 14 0 4471.1 21.75 216.47
 100.00 5 36 38 1564.50 -9.11 358.73 359.14 118.59 6 2 42 964.5 -5.22 352.10
 100.00 15 15 38 4793.22 25.10 203.60 2.66 73.21 16 35 31 4193.2 22.56 195.73
 110.00 6 33 56 1385.06 -11.54 343.66 357.69 122.40 6 57 1 785.1 -7.18 337.28
 110.00 16 34 49 4545.42 27.76 183.78 1.65 69.21 17 50 35 3945.4 24.68 175.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3727 TRA -.3089 TC3 1.1714 BAU .2063 SGT 1146.3 SGR 409.6 SG3 289.4 ST 607.4 SR 390.6 SS 664.0
 RDE -.2462 RRA -.0795 RC3 .0287 FAU .06423 RRT -.3153 RRF .3553 RTF -.8408 CRT -.9402 CRS -.9971 CST .9500
 FDE -.8345 FRA -.1919 FC3-4.2225 BSP 3582 SGB 1217.2 R23 -.0593 R13 .8441 LSA 968.6 MSA 154.0 SSA 24.1
 BDE .4467 BRA .3189 BC3 1.1717 FSP -814 SG1 1154.4 SG2 385.9 THA 172.76 EL1 713.2 EL2 113.4 ALF 147.94

LAUNCH DATE JUN 22 1967

FLIGHT TIME 100.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 264.983

RL 152.03 LAL .00 LOL 269.91 VL 26.527 GAL -3.34 AZL 92.92 HCA 115.38 SMA 127.34 ECC .20216 INC 2.9237 V1 29.304
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.500 GAP -7.96 AZP 88.75 TAL 193.40 TAP 308.79 RCA 101.60 APO 153.08 V2 34.957
 RC 59.590 GL -22.26 GP -5.99 ZAL 117.61 ZAP 24.38 ETS 12.50 ZAE 147.83 ETE 4.72 ZAC 85.50 ETC 13.95 CLP -23.68

PLANETOCENTRIC CONIC

C3 12.717 VHL 3.566 DLA -9.36 RAL 144.22 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 5.452 DPA -3.10 RAP 180.32 ECC 1.2093
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 11 39 1817.14 -8.37 17.70 357.87 117.15 4 41 56 1217.1 -4.66 10.98
 90.00 13 47 32 5050.33 23.71 222.96 1.00 74.05 15 11 43 4450.3 21.30 215.12
 100.00 5 28 24 1569.52 -9.27 359.01 357.38 118.54 5 54 33 969.5 -5.39 352.37
 100.00 15 13 28 4773.18 24.70 202.25 .68 72.60 16 33 1 4173.2 22.08 194.43
 110.00 6 26 12 1388.52 -11.66 343.85 355.96 122.36 6 49 20 788.5 -7.31 337.46
 110.00 16 32 9 4526.95 27.31 182.53 359.66 68.59 17 47 36 3926.9 24.15 174.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3641 TRA -.2850 TC3 1.2225 BAU .2078 SGT 1148.0 SGR 409.6 SG3 326.7 ST 601.9 SR 390.8 SS 690.9
 RDE -.2420 RRA -.0790 RC3 -.0081 FAU .07128 RRT -.3675 RRF .4153 RTF -.8445 CRT -.9443 CRS -.9975 CST .9477
 FDE -.9069 FRA -.2705 FC3-4.8524 BSP 3635 SGB 1218.9 R23 -.0724 R13 .8490 LSA 983.7 MSA 155.5 SSA 24.0
 BDE .4372 BRA .2958 BC3 1.2225 FSP -932 SG1 1159.0 SG2 377.4 THA 171.64 EL1 709.3 EL2 109.1 ALF 147.63

LAUNCH DATE JUN 22 1967

FLIGHT TIME 102.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 271.633

RL 152.03 LAL .00 LOL 269.91 VL 26.611 GAL -3.41 AZL 92.87 MCA 118.57 SMA 127.89 ECC .19765 INC 2.8680 V1 29.304
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.572 GAP -7.30 AZP 88.63 TAL 194.12 TAP 312.70 RCA 102.61 APO 153.16 V2 34.970
 RC 61.464 GL -22.25 GP -6.59 ZAL 118.82 ZAP 27.53 ETS 11.90 ZAE 148.55 ETE 3.10 ZAC 85.57 ETC 14.00 CLP -26.79

PLANETOCENTRIC CONIC

C3 12.325 VHL 3.511 OLA -8.92 RAL 143.04 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 5.122 DPA -3.68 RAP 180.15 ECC 1.2028
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 3 27 1824.72 -8.60 18.13 356.28 117.08 4 33 52 1224.7 -4.90 11.41
 90.00 13 46 21 5029.38 23.31 221.55 359.21 73.46 15 10 10 4429.4 20.82 213.76
 100.00 5 20 27 1576.33 -9.49 359.39 355.80 118.48 5 46 43 976.3 -5.62 352.75
 100.00 15 12 2 4753.00 24.28 200.90 358.88 72.00 16 31 15 4153.0 21.59 193.13
 110.00 6 18 47 1393.66 -11.85 344.13 354.40 122.30 6 42 1 793.7 -7.50 337.73
 110.00 16 30 12 4508.43 26.84 181.29 357.85 67.99 17 45 20 3908.4 23.62 173.61

DIFFERENTIAL CORRECTIONS

TOE .3507 TRA -.2660 TC3 1.2492 BAU .2060
 RDE -.2385 RRA -.0794 RC3 -.0525 FAU .07907
 FDE -.9821 FRA -.3551 FC3-5.5540 BSP 3613
 BDE .4241 BRA .2776 BC3 1.2503 FSP -1061

MID-COURSE EXECUTION ACCURACY

SGT 1135.8 SGR 412.4 SG3 367.8
 RRT -.4216 RRF .4811 RTF -.8439
 SGB 1208.4 R23 -.0917 R13 .8502
 SG1 1150.6 SG2 369.2 THA 170.29

ORBIT DETERMINATION ACCURACY

ST 588.0 SR 391.2 SS 715.5
 CRT -.9461 CRS -.9975 CST .9440
 LSA 992.5 MSA 158.1 SSA 23.8
 EL1 698.1 EL2 106.7 ALF 146.93

LAUNCH DATE JUN 22 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 278.265

RL 152.03 LAL .00 LOL 269.91 VL 26.685 GAL -3.48 AZL 92.81 MCA 121.77 SMA 128.38 ECC .19369 INC 2.8087 V1 29.304
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.636 GAP -6.66 AZP 88.52 TAL 194.78 TAP 316.55 RCA 103.51 APO 153.24 V2 34.983
 RC 63.388 GL -22.15 GP -7.27 ZAL 119.94 ZAP 30.89 ETS 11.42 ZAE 149.56 ETE 1.27 ZAC 85.86 ETC 14.04 CLP -30.10

PLANETOCENTRIC CONIC

C3 11.979 VHL 3.461 OLA -8.45 RAL 142.00 RAD 6567.5 VEL 11.548 PTH 2.02 VHP 4.814 DPA -4.25 RAP 179.76 ECC 1.1971
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 55 35 1833.90 -8.88 18.66 354.87 117.00 4 26 9 1233.9 -5.19 11.92
 90.00 13 45 55 5008.17 22.89 220.14 357.60 72.87 15 9 23 4408.2 20.33 212.40
 100.00 5 12 50 1584.71 -9.77 359.87 354.40 118.39 5 39 15 984.7 -5.90 353.22
 100.00 15 11 22 4732.60 23.84 199.54 357.27 71.41 16 30 14 4132.6 21.08 191.83
 110.00 6 11 44 1400.28 -12.09 344.49 353.02 122.22 6 35 4 800.3 -7.75 338.08
 110.00 16 28 57 4489.79 26.36 180.06 356.22 67.41 17 43 47 3889.8 23.07 172.45

DIFFERENTIAL CORRECTIONS

TOE .3349 TRA -.2504 TC3 1.2566 BAU .2020
 RDE -.2358 RRA -.0808 RC3 -.1063 FAU .08781
 FDE -1.0633 FRA -.4475 FC3-6.3462 BSP 3560
 BDE .4096 BRA .2632 BC3 1.2610 FSP -1207

MID-COURSE EXECUTION ACCURACY

SGT 1113.4 SGR 419.6 SG3 414.0
 RRT -.4788 RRF .5528 RTF -.8404
 SGB 1189.9 R23 -.1171 R13 .8496
 SG1 1133.5 SG2 361.9 THA 168.59

ORBIT DETERMINATION ACCURACY

ST 569.1 SR 392.4 SS 740.0
 CRT -.9464 CRS -.9974 CST .9392
 LSA 999.5 MSA 161.3 SSA 23.5
 EL1 683.2 EL2 105.6 ALF 145.95

LAUNCH DATE JUN 22 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 284.877

RL 152.03 LAL .00 LOL 269.91 VL 26.750 GAL -3.54 AZL 92.75 MCA 124.97 SMA 128.81 ECC .19023 INC 2.7451 V1 29.304
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.694 GAP -6.04 AZP 88.43 TAL 195.38 TAP 320.35 RCA 104.30 APO 153.31 V2 34.996
 RC 65.357 GL -21.98 GP -8.04 ZAL 120.95 ZAP 34.48 ETS 11.00 ZAE 150.87 ETE 359.12 ZAC 86.39 ETC 14.06 CLP -33.64

PLANETOCENTRIC CONIC

C3 11.671 VHL 3.416 OLA -7.95 RAL 141.10 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 4.528 DPA -4.81 RAP 179.13 ECC 1.1921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 48 4 1844.55 -9.21 19.27 353.64 116.89 4 18 49 1244.5 -5.53 12.52
 90.00 13 46 16 4986.58 22.45 218.71 356.17 72.28 15 9 23 4386.6 19.82 211.03
 100.00 5 5 35 1594.50 -10.08 .42 353.18 118.29 5 32 9 994.5 -6.23 353.76
 100.00 15 11 27 4711.85 23.39 198.17 355.83 70.83 16 29 59 4111.9 20.56 190.51
 110.00 6 5 4 1408.23 -12.38 344.93 351.82 122.12 6 28 32 808.2 -8.05 338.51
 110.00 16 28 26 4470.90 25.86 178.82 354.78 66.83 17 42 57 3870.9 22.50 171.27

DIFFERENTIAL CORRECTIONS

TOE .3177 TRA -.2369 TC3 1.2452 BAU .1961
 RDE -.2340 RRA -.0836 RC3 -.1714 FAU .09765
 FDE -1.1517 FRA -.5518 FC3-7.2435 BSP 3506
 BDE .3945 BRA .2512 BC3 1.2570 FSP -1376

MID-COURSE EXECUTION ACCURACY

SGT 1081.0 SGR 433.3 SG3 466.1
 RRT -.5378 RRF .6288 RTF -.8343
 SGB 1164.6 R23 -.1484 R13 .8483
 SG1 1108.8 SG2 356.2 THA 166.41

ORBIT DETERMINATION ACCURACY

ST 546.8 SR 394.8 SS 765.8
 CRT -.9454 CRS -.9971 CST .9335
 LSA 1006.8 MSA 164.6 SSA 23.0
 EL1 666.1 EL2 105.6 ALF 144.66

LAUNCH DATE JUN 22 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 291.469

RL 152.03 LAL .00 LOL 269.91 VL 26.806 GAL -3.58 AZL 92.68 MCA 128.17 SMA 129.19 ECC .18723 INC 2.6764 V1 29.304
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.747 GAP -5.45 AZP 88.35 TAL 195.91 TAP 324.08 RCA 105.00 APO 153.37 V2 35.009
 RC 67.365 GL -21.73 GP -8.92 ZAL 121.87 ZAP 38.33 ETS 10.62 ZAE 152.47 ETE 356.50 ZAC 87.17 ETC 14.04 CLP -37.43

PLANETOCENTRIC CONIC

C3 11.390 VHL 3.375 OLA -7.42 RAL 140.35 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 4.266 DPA -5.38 RAP 178.24 ECC 1.1875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 40 55 1856.54 -9.58 19.96 352.59 116.77 4 11 52 1256.5 -5.91 13.20
 90.00 13 47 25 4964.45 21.99 217.25 354.91 71.69 15 10 10 4364.5 19.28 209.62
 100.00 4 58 42 1605.59 -10.44 1.05 352.14 118.17 5 25 28 1005.6 -6.59 354.38
 100.00 15 12 19 4690.62 22.90 196.77 354.57 70.25 16 30 30 4090.6 20.00 189.18
 110.00 5 58 49 1417.38 -12.71 345.43 350.79 122.00 6 22 27 817.4 -8.39 339.00
 110.00 16 28 42 4451.61 25.34 177.56 353.50 66.25 17 42 53 3851.6 21.91 170.09

DIFFERENTIAL CORRECTIONS

TDE .2951 TRA -.2301 TC3 1.1986 BAU .1864
 RDE -.2328 RRA -.0873 RC3 -.2485 FAU .10822
 FDE -1.2383 FRA -.6574 FC3-8.2258 BSP 3362
 BDE .3759 BRA .2461 BC3 1.2240 FSP -1555

MID-COURSE EXECUTION ACCURACY

SGT 1029.9 SGR 454.6 SG3 522.1
 RRT -.5869 RRF .7027 RTF -.8198
 SGB 1125.7 R23 -.1926 R13 .8425
 SG1 1068.4 SG2 354.8 THA 163.62

ORBIT DETERMINATION ACCURACY

ST 515.3 SR 397.8 SS 787.2
 CRT -.9407 CRS -.9968 CST .9244
 LSA 1007.2 MSA 168.7 SSA 22.5
 EL1 641.9 EL2 108.4 ALF 142.77

LAUNCH DATE JUN 22 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 298.040

RL 152.03 LAL .00 LOL 269.91 VL 26.854 GAL -3.62 AZL 92.60 MCA 131.37 SMA 129.51 ECC .18464 INC 2.6012 V1 29.304
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.793 GAP -4.87 AZP 88.28 TAL 196.36 TAP 327.73 RCA 105.60 APO 153.43 V2 35.023
 RC 69.409 GL -21.38 GP -9.93 ZAL 122.68 ZAP 42.44 ETS 10.25 ZAE 154.33 ETE 353.20 ZAC 88.24 ETC 13.98 CLP -41.48

PLANETOCENTRIC CONIC

C3 11.130 VHL 3.336 DLA -6.85 RAL 139.75 RAD 6567.4 VEL 11.512 PTH 2.01 VHP 4.029 DPA -5.95 RAP 177.06 ECC 1.1832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 34 7 1869.90 -9.99 20.73 351.71 116.63 4 5 17 1269.9 -6.34 13.95
 90.00 13 49 26 4941.53 21.49 215.76 353.82 71.11 15 11 47 4341.5 18.71 208.18
 100.00 4 52 11 1618.04 -10.84 1.76 351.26 118.03 5 19 9 1018.0 -7.01 355.07
 100.00 15 14 2 4668.63 22.39 195.34 353.47 69.66 16 31 51 4068.6 19.42 187.80
 110.00 5 52 58 1427.76 -13.08 346.00 349.94 121.87 6 16 45 827.8 -8.78 339.55
 110.00 16 29 45 4431.67 24.79 176.28 352.40 65.67 17 43 37 3831.7 21.29 168.87

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2691 TRA -.2281 TC3 1.1202 BAU .1742 SGT 963.3 SGR 486.1 SG3 582.5 ST 477.6 SR 402.0 SS 805.8
 RDE -.2324 RRA -.0922 RC3 -.3404 FAU .11961 RRT -.6221 RRF .7715 RTF -.7956 CRT -.9319 CRS -.9965 CST .9113
 FDE-1.3235 FRA -.7661 FC3-9.3040 BSP 3177 SGB 1079.0 R23 -.2482 R13 .8344 LSA 1004.3 MSA 173.0 SSA 21.9
 BOE .3556 BRA .2460 BC3 1.1708 FSP -1749 SG1 1017.0 SG2 360.5 THA 159.95 EL1 613.9 EL2 113.4 ALF 140.27

LAUNCH DATE JUN 22 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 304.588

RL 152.03 LAL .00 LOL 269.91 VL 26.895 GAL -3.64 AZL 92.52 MCA 134.58 SMA 129.79 ECC .18242 INC 2.5182 V1 29.304
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.835 GAP -4.32 AZP 88.23 TAL 196.73 TAP 331.31 RCA 106.11 APO 153.47 V2 35.036
 RC 71.485 GL -20.95 GP -11.08 ZAL 123.39 ZAP 46.83 ETS 9.86 ZAE 156.42 ETE 348.88 ZAC 89.59 ETC 13.86 CLP -45.80

PLANETOCENTRIC CONIC

C3 10.883 VHL 3.299 DLA -6.23 RAL 139.30 RAD 6567.4 VEL 11.501 PTH 2.00 VHP 3.816 DPA -6.54 RAP 175.57 ECC 1.1791
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 27 36 1884.77 -10.44 21.58 351.00 116.47 3 59 1 1284.8 -6.80 14.79
 90.00 13 52 21 4917.44 20.95 214.20 352.89 70.50 15 14 19 4317.4 18.10 206.68
 100.00 4 45 59 1631.91 -11.28 2.55 350.56 117.87 5 13 11 1031.9 -7.47 355.84
 100.00 15 16 39 4645.53 21.84 193.85 352.54 69.06 16 34 5 4045.5 18.79 186.37
 110.00 5 47 28 1439.45 -13.50 346.65 349.26 121.71 6 11 27 839.4 -9.21 340.18
 110.00 16 31 41 4410.75 24.19 174.94 351.46 65.08 17 45 11 3810.8 20.63 167.61

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2418 TRA -.2296 TC3 1.0126 BAU .1613 SGT 885.2 SGR 531.2 SG3 648.3 ST 437.3 SR 408.1 SS 824.4
 RDE -.2330 RRA -.0987 RC3 -.4513 FAU .13192 RRT -.6375 RRF .8324 RTF -.7584 CRT -.9185 CRS -.9964 CST .8934
 FDE-1.4096 FRA -.8804 FC-10.4945 BSP 3007 SGB 1032.4 R23 -.3088 R13 .8276 LSA 1002.8 MSA 177.1 SSA 21.3
 BOE .3358 BRA .2499 BC3 1.1086 FSP -1969 SG1 961.1 SG2 377.0 THA 154.95 EL1 585.9 EL2 120.5 ALF 137.15

LAUNCH DATE JUN 22 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 311.115

RL 152.03 LAL .00 LOL 269.91 VL 26.929 GAL -3.66 AZL 92.43 MCA 137.78 SMA 130.03 ECC .18054 INC 2.4254 V1 29.304
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.871 GAP -3.78 AZP 88.20 TAL 197.02 TAP 334.81 RCA 106.55 APO 153.50 V2 35.049
 RC 73.590 GL -20.40 GP -12.39 ZAL 124.00 ZAP 51.50 ETS 9.41 ZAE 158.64 ETE 343.06 ZAC 91.24 ETC 13.65 CLP -50.40

PLANETOCENTRIC CONIC

C3 10.642 VHL 3.262 DLA -5.56 RAL 139.01 RAD 6567.4 VEL 11.490 PTH 2.00 VHP 3.631 DPA -7.17 RAP 173.78 ECC 1.1751
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 21 20 1901.39 -10.95 22.55 350.45 116.28 3 53 1 1301.4 -7.33 15.74
 90.00 13 56 19 4891.70 20.36 212.54 352.12 69.88 15 17 50 4291.7 17.43 205.09
 100.00 4 40 2 1647.46 -11.78 3.44 350.02 117.67 5 7 30 1047.5 -7.98 356.71
 100.00 15 20 17 4620.86 21.23 192.27 351.77 68.45 16 37 18 4020.9 18.11 184.86
 110.00 5 42 16 1452.65 -13.97 347.38 348.74 121.52 6 6 29 852.6 -9.70 340.88
 110.00 16 34 33 4388.43 23.54 173.53 350.68 64.47 17 47 41 3788.4 19.91 166.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2092 TRA -.2384 TC3 .8575 BAU .1474 SGT 790.6 SGR 589.2 SG3 713.9 ST 388.9 SR 414.6 SS 832.5
 RDE -.2338 RRA -.1058 RC3 -.5811 FAU .14416 RRT -.6107 RRF .8809 RTF -.6897 CRT -.8932 CRS -.9963 CST .8633
 FDE-1.4761 FRA -.9810 FC-11.7276 BSP 2785 SGB 986.0 R23 -.3678 R13 .8231 LSA 991.4 MSA 181.6 SSA 20.7
 BOE .3138 BRA .2608 BC3 1.0359 FSP -2185 SG1 895.9 SG2 411.7 THA 148.01 EL1 553.1 EL2 131.1 ALF 132.95

LAUNCH DATE JUN 22 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 317.620

RL 152.03 LAL .00 LOL 269.91 VL 26.957 GAL -3.66 AZL 92.32 MCA 140.99 SMA 130.22 ECC .17897 INC 2.3203 V1 29.304
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.903 GAP -3.26 AZP 88.20 TAL 197.23 TAP 338.22 RCA 106.91 APO 153.52 V2 35.062
 RC 75.721 GL -19.74 GP -13.87 ZAL 124.52 ZAP 56.43 ETS 8.88 ZAE 160.83 ETE 335.07 ZAC 93.18 ETC 13.32 CLP -55.28

PLANETOCENTRIC CONIC

C3 10.403 VHL 3.225 DLA -4.81 RAL 138.88 RAD 6567.4 VEL 11.480 PTH 2.00 VHP 3.473 DPA -7.86 RAP 171.67 ECC 1.1712
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 15 9 1920.25 -11.51 23.64 350.08 116.05 3 47 10 1320.3 -7.92 16.81
 90.00 14 1 27 4863.62 19.69 210.75 351.51 69.23 15 22 31 4263.6 16.69 203.36
 100.00 4 34 14 1665.16 -12.33 4.46 349.66 117.45 5 1 59 1065.2 -8.56 357.71
 100.00 15 25 4 4593.95 20.55 190.56 351.15 67.80 16 41 38 3993.9 17.35 183.22
 110.00 5 37 17 1467.75 -14.51 348.22 348.40 121.30 6 1 45 867.8 -10.26 341.70
 110.00 16 38 30 4364.12 22.82 172.01 350.05 63.83 17 51 14 3764.1 19.12 164.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .1736 TRA -.2528 TC3 .6563 BAU .1369 SGT 690.9 SGR 662.4 SG3 777.9 ST 337.0 SR 421.4 SS 830.9
 RDE -.2346 RRA -.1136 RC3 -.7340 FAU .15605 RRT -.5194 RRF .9180 RTF -.5663 CRT -.8486 CRS -.9964 CST .8127
 FDE-1.5191 FRA -1.0651 FC-12.9871 BSP 2587 SGB 957.2 R23 -.3879 R13 .8386 LSA 972.9 MSA 186.0 SSA 20.1
 BOE .2919 BRA .2771 BC3 .9846 FSP -2394 SG1 834.6 SG2 468.6 THA 137.32 EL1 519.8 EL2 144.5 ALF 127.57

LAUNCH DATE JUN 22 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 324.102

RL 152.03 LAL .00 LOL 269.91 VL 26.979 GAL -3.65 AZL 92.20 HCA 144.21 SMA 130.37 ECC .17766 INC 2.1994 V1 29.304
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.930 GAP -2.75 AZP 88.22 TAL 197.35 TAP 341.56 RCA 107.21 APO 153.53 V2 35.075
 RC 77.874 GL -18.92 GP -15.56 ZAL 124.94 ZAP 61.60 ETS 8.22 ZAE 162.69 ETE 324.10 ZAC 95.38 ETC 12.86 CLP -60.42

PLANETOCENTRIC CONIC

C3 10.159 VHL 3.187 DLA -3.96 RAL 138.92 RAD 6567.4 VEL 11.469 PTH 1.99 VHP 3.344 DPA -8.65 RAP 169.26 ECC 1.1672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 8 55 1942.12 -12.16 24.92 349.89 115.77 3 41 17 1342.1 -8.60 18.06
 90.00 14 8 1 4832.24 18.92 208.77 351.04 68.53 15 28 33 4232.2 15.84 201.45
 100.00 4 28 24 1685.71 -12.97 5.65 349.47 117.17 4 56 30 1085.7 -9.23 358.86
 100.00 15 31 13 4563.89 19.76 188.67 350.68 67.10 16 47 17 3963.9 16.49 181.41
 110.00 5 32 23 1485.39 -15.13 349.21 348.24 121.02 5 57 9 885.4 -10.91 342.65
 110.00 16 43 43 4336.97 22.00 170.34 349.57 63.15 17 56 0 3737.0 18.22 163.24

DIFFERENTIAL CORRECTIONS

TDE .1380 TRA -2.704 TC3 .4126 BAU .1364
 RDE -.2356 RRA -.1223 RC3 -.9158 FAU .16733
 FDE -1.5387 FRA -1.1339 FC -14.2589 BSP 2537
 BDE .2730 BRA .2968 BC3 1.0045 FSP -2607

MID-COURSE EXECUTION ACCURACY

SGT 606.6 SGR 754.1 SG3 839.7
 RRT -.3304 RRF .9453 RTF -.3531
 SGB 967.8 R23 -.2768 R13 .9049
 SG1 806.1 SG2 535.6 THA 118.21

ORBIT DETERMINATION ACCURACY

ST 288.0 SR 428.9 SS 822.4
 CRT -.7731 CRS -.9965 CST .7303
 LSA 952.2 MSA 190.3 SSA 19.5
 EL1 491.4 EL2 159.4 ALF 121.06

LAUNCH DATE JUN 22 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 330.562

RL 152.03 LAL .00 LOL 269.91 VL 26.995 GAL -3.63 AZL 92.06 HCA 147.42 SMA 130.48 ECC .17661 INC 2.0582 V1 29.304
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.954 GAP -2.26 AZP 88.27 TAL 197.39 TAP 344.81 RCA 107.44 APO 153.52 V2 35.088
 RC 80.046 GL -17.90 GP -17.48 ZAL 125.28 ZAP 66.96 ETS 7.38 ZAE 163.80 ETE 309.79 ZAC 97.81 ETC 12.21 CLP -65.77

PLANETOCENTRIC CONIC

C3 9.908 VHL 3.148 DLA -2.97 RAL 139.15 RAD 6567.4 VEL 11.458 PTH 1.99 VHP 3.247 DPA -9.57 RAP 166.57 ECC 1.1631
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 22 1968.11 -12.93 26.45 349.88 115.41 3 35 10 1368.1 -9.40 19.54
 90.00 14 16 21 4796.23 18.01 206.52 350.73 67.77 15 36 17 4196.2 14.84 199.28
 100.00 4 22 20 1710.18 -13.73 7.07 349.47 116.82 4 50 50 1110.2 -10.02 .25
 100.00 15 39 5 4529.40 18.83 186.53 350.36 66.35 16 54 34 3929.4 15.47 179.35
 110.00 5 27 24 1506.49 -15.87 350.40 348.26 120.68 5 52 30 906.5 -11.68 343.80
 110.00 16 50 30 4305.85 21.03 168.44 349.24 62.41 18 2 16 3705.9 17.17 161.44

DIFFERENTIAL CORRECTIONS

TDE .1007 TRA -.2932 TC3 .1122 BAU .1499
 RDE -.2346 RRA -.1303 RC3 -1.1263 FAU .17647
 FDE -1.5069 FRA -1.1609 FC -15.4205 BSP 2660
 BDE .2553 BRA .3208 BC3 1.1319 FSP -2779

MID-COURSE EXECUTION ACCURACY

SGT 569.3 SGR 861.1 SG3 890.5
 RRT -.0029 RRF .9641 RTF -.0098
 SGB 1032.3 R23 .0048 R13 .9641
 SG1 861.1 SG2 569.3 THA 90.20

ORBIT DETERMINATION ACCURACY

ST 243.5 SR 433.5 SS 794.2
 CRT -.6337 CRS -.9966 CST .5826
 LSA 916.3 MSA 194.8 SSA 19.0
 EL1 465.2 EL2 175.5 ALF 113.06

LAUNCH DATE JUN 22 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 337.000

RL 152.03 LAL .00 LOL 269.91 VL 27.007 GAL -3.60 AZL 91.89 HCA 150.64 SMA 130.56 ECC .17578 INC 1.8895 V1 29.304
 RP 107.96 LAP -.93 LOP 60.56 VP 37.974 GAP -1.79 AZP 88.35 TAL 197.35 TAP 347.98 RCA 107.61 APO 153.51 V2 35.101
 RC 82.236 GL -16.63 GP -19.68 ZAL 125.54 ZAP 72.43 ETS 6.32 ZAE 163.66 ETE 293.35 ZAC 100.41 ETC 11.34 CLP -71.31

PLANETOCENTRIC CONIC

C3 9.643 VHL 3.105 DLA -1.77 RAL 139.57 RAD 6567.3 VEL 11.447 PTH 1.99 VHP 3.184 DPA -10.69 RAP 163.63 ECC 1.1587
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 55 9 2000.02 -13.85 28.33 350.09 114.95 3 28 29 1400.0 -10.37 21.38
 90.00 14 26 59 4753.62 16.89 203.90 350.59 66.93 15 46 12 4153.6 13.62 196.74
 100.00 4 15 40 1740.28 -14.65 8.84 349.69 116.35 4 44 40 1140.3 -10.99 1.96
 100.00 15 49 8 4488.59 17.70 184.03 350.21 65.51 17 3 57 3888.6 14.25 176.94
 110.00 5 22 1 1532.56 -16.77 351.89 348.51 120.23 5 47 34 932.6 -12.62 345.23
 110.00 16 59 16 4269.07 19.85 166.24 349.08 61.58 18 10 25 3669.1 15.90 159.34

DIFFERENTIAL CORRECTIONS

TDE .0656 TRA -.3180 TC3 -.2406 BAU .1795
 RDE -.2305 RRA -.1367 RC3 -1.3712 FAU .18282
 FDE -1.4155 FRA -1.1419 FC -16.4134 BSP 3037
 BDE .2396 BRA .3462 BC3 1.3922 FSP -2902

MID-COURSE EXECUTION ACCURACY

SGT 617.8 SGR 984.8 SG3 927.2
 RRT .3681 RRF .9768 RTF .3687
 SGB 1162.5 R23 .1658 R13 .9627
 SG1 1022.4 SG2 553.2 THA 71.36

ORBIT DETERMINATION ACCURACY

ST 213.7 SR 432.7 SS 744.1
 CRT -.4110 CRS -.9967 CST .3517
 LSA 864.0 MSA 199.4 SSA 18.7
 EL1 443.6 EL2 190.1 ALF 104.12

LAUNCH DATE JUN 22 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 343.415

RL 152.03 LAL .00 LOL 269.91 VL 27.013 GAL -3.56 AZL 91.68 HCA 153.86 SMA 130.61 ECC .17515 INC 1.6831 V1 29.304
 RP 107.92 LAP -.74 LOP 63.78 VP 37.990 GAP -1.33 AZP 88.49 TAL 197.22 TAP 351.08 RCA 107.73 APO 153.48 V2 35.113
 RC 84.440 GL -15.00 GP -22.21 ZAL 125.72 ZAP 77.93 ETS 4.98 ZAE 161.98 ETE 277.66 ZAC 103.12 ETC 10.19 CLP -76.95

PLANETOCENTRIC CONIC

C3 9.362 VHL 3.060 DLA -.27 RAL 140.23 RAD 6567.3 VEL 11.435 PTH 1.98 VHP 3.158 DPA -12.12 RAP 160.48 ECC 1.1541
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 40 2040.68 -15.00 30.76 350.56 114.30 3 20 41 1440.7 -11.60 23.74
 90.00 14 40 43 4701.39 15.47 200.72 350.64 65.98 15 59 4 4101.4 12.10 193.67
 100.00 4 7 53 1778.69 -15.80 11.11 350.18 115.71 4 37 32 1178.7 -12.21 4.16
 100.00 16 2 11 4438.60 16.26 181.02 350.26 64.57 17 16 9 3838.6 12.71 174.03
 110.00 5 15 50 1565.97 -17.90 353.81 349.03 119.62 5 41 56 966.0 -13.82 347.07
 110.00 17 10 42 4224.09 18.37 163.59 349.11 60.65 18 21 7 3624.1 14.32 156.81

DIFFERENTIAL CORRECTIONS

TDE .0368 TRA -.3419 TC3 -.6437 BAU .2227
 RDE -.2218 RRA -.1412 RC3 -1.6589 FAU .18573
 FDE -1.2615 FRA -1.0784 FC -17.1746 BSP 3674
 BDE .2248 BRA .3699 BC3 1.7794 FSP -2981

MID-COURSE EXECUTION ACCURACY

SGT 754.8 SGR 1128.2 SG3 946.9
 RRT .6348 RRF .9854 RTF .6371
 SGB 1357.4 R23 .2044 R13 .9640
 SG1 1251.5 SG2 525.8 THA 61.52

ORBIT DETERMINATION ACCURACY

ST 204.4 SR 423.8 SS 671.0
 CRT -.1504 CRS -.9965 CST .0851
 LSA 793.4 MSA 204.6 SSA 18.5
 EL1 425.3 EL2 201.4 ALF 95.35

LAUNCH DATE JUN 22 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 349.809

RL 152.03 LAL .00 LOL 269.91 VL 27.016 GAL -3.51 AZL 91.42 HCA 157.08 SMA 130.62 ECC .17470 INC 1.4232 V1 29.304
 RP 107.89 LAP -.55 LOP 67.00 VP 38.003 GAP -.88 AZP 88.69 TAL 197.02 TAP 354.09 RCA 107.80 APO 153.44 V2 35.125
 RC 86.655 GL -12.85 GP -25.19 ZAL 125.83 ZAP 83.34 ETS 3.28 ZAE 158.83 ETE 265.15 ZAC 105.83 ETC 8.70 CLP -82.64

PLANETOCENTRIC CONIC

C3 9.065 VHL 3.011 DLA 1.68 RAL 141.18 RAD 6567.3 VEL 11.422 PTH 1.98 VHP 3.175 DPA -13.96 RAP 157.15 ECC 1.1492
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 36 1 2094.74 -16.49 34.03 351.39 113.35 3 10 55 1494.7 -13.19 26.91
 90.00 14 58 54 4634.80 13.59 196.74 350.94 64.91 16 16 9 4034.8 10.09 189.80
 100.00 3 58 8 1829.85 -17.28 14.19 351.02 114.78 4 28 38 1229.8 -13.80 7.13
 100.00 16 19 28 4374.93 14.36 177.24 350.55 63.50 17 32 23 3774.9 10.69 170.38
 110.00 5 8 10 1610.65 -19.38 356.43 349.90 118.72 5 35 1 1010.6 -15.40 349.57
 110.00 17 25 55 4166.90 16.43 160.29 349.39 59.60 18 35 22 3566.9 12.27 153.65

DIFFERENTIAL CORRECTIONS

TDE .0183 TRA -.3628 TC3-1.1018 BAU .2759
 RDE -.2036 RRA -.1407 RC3-1.9917 FAU .18373
 FDE -1.0221 FRA -.9514 FC-17.5463 BSP 4494
 BDE .2044 BRA .3891 BC3 2.2761 FSP -2970

MID-COURSE EXECUTION ACCURACY

SGT 958.3 SGR 1288.5 SG3 941.3
 RRT .7833 RRF .9909 RTF .7847
 SGB 1605.8 R23 .2059 R13 .9694
 SG1 1524.8 SG2 503.4 THA 55.49

ORBIT DETERMINATION ACCURACY

ST 211.0 SR 397.3 SS 560.8
 CRT .0460 CRS -.9956 CST -.1185
 LSA 686.9 MSA 211.3 SSA 19.0
 EL1 397.5 EL2 210.7 ALF 88.05

LAUNCH DATE JUN 22 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 356.181

RL 152.03 LAL .00 LOL 269.91 VL 27.014 GAL -3.45 AZL 91.08 HCA 160.30 SMA 130.61 ECC .17442 INC 1.0833 V1 29.304
 RP 107.85 LAP -.37 LOP 70.21 VP 38.013 GAP -.44 AZP 88.98 TAL 196.73 TAP 357.03 RCA 107.83 APO 153.39 V2 35.137
 RC 88.880 GL -9.92 GP -28.77 ZAL 125.85 ZAP 88.50 ETS 1.12 ZAE 154.42 ETE 256.32 ZAC 108.45 ETC 6.75 CLP -88.29

PLANETOCENTRIC CONIC

C3 8.756 VHL 2.959 DLA 4.33 RAL 142.50 RAD 6567.3 VEL 11.408 PTH 1.97 VHP 3.245 DPA -16.41 RAP 153.63 ECC 1.1441
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 21 32 2170.53 -18.48 38.71 352.75 111.85 2 57 42 1570.5 -15.35 31.43
 90.00 15 23 57 4545.72 10.95 191.52 351.62 63.72 16 39 43 3945.7 7.34 184.71
 100.00 3 44 54 1901.62 -19.27 18.58 352.40 113.30 4 16 36 1301.6 -15.96 11.36
 100.00 16 43 16 4289.87 11.72 172.30 351.22 62.31 17 54 46 3689.9 7.93 165.58
 110.00 4 57 48 1673.46 -21.39 .19 351.33 117.32 5 25 41 1073.5 -17.56 353.16
 110.00 17 46 51 4090.79 13.76 156.01 350.04 58.40 18 55 2 3490.8 9.48 149.52

DIFFERENTIAL CORRECTIONS

TDE .0186 TRA -.3756 TC3-1.6082 BAU .3368
 RDE -.1713 RRA -.1335 RC3-2.3853 FAU .17650
 FDE -.7016 FRA -.7708 FC-17.4505 BSP 5480
 BDE .1723 BRA .3986 BC3 2.8768 FSP -2883

MID-COURSE EXECUTION ACCURACY

SGT 1199.6 SGR 1473.1 SG3 909.2
 RRT .8605 RRF .9946 RTF .8612
 SGB 1899.8 R23 .1946 R13 .9754
 SG1 1835.4 SG2 490.4 THA 51.76

ORBIT DETERMINATION ACCURACY

ST 223.6 SR 343.3 SS 410.4
 CRT .0821 CRS -.9922 CST -.1780
 LSA 535.1 MSA 222.4 SSA 20.8
 EL1 344.1 EL2 222.3 ALF 84.74

LAUNCH DATE JUN 22 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 362.531

RL 152.03 LAL .00 LOL 269.91 VL 27.009 GAL -3.38 AZL 90.62 HCA 163.52 SMA 130.58 ECC .17430 INC .6163 V1 29.304
 RP 107.82 LAP -.17 LOP 73.44 VP 38.020 GAP -.02 AZP 89.41 TAL 196.38 TAP 359.90 RCA 107.82 APO 153.33 V2 35.149
 RC 91.113 GL -5.72 GP -33.24 ZAL 125.73 ZAP 93.23 ETS 358.35 ZAE 148.88 ETE 250.58 ZAC 110.84 ETC 4.18 CLP -93.86

PLANETOCENTRIC CONIC

C3 8.461 VHL 2.909 DLA 8.13 RAL 144.38 RAD 6567.3 VEL 11.395 PTH 1.97 VHP 3.387 DPA -19.75 RAP 149.85 ECC 1.1392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 56 2284.24 -21.20 45.94 355.05 109.23 2 38 1 1684.2 -18.38 38.40
 90.00 16 0 33 4419.00 7.05 184.26 353.01 62.50 17 14 12 3819.0 3.31 177.57
 100.00 3 25 13 2009.22 -22.02 25.39 354.72 110.74 3 58 42 1409.2 -19.00 17.90
 100.00 17 17 58 4169.25 7.82 165.47 352.59 61.06 18 27 28 3569.2 3.90 158.88
 110.00 4 42 25 1767.62 -24.22 6.04 353.72 114.90 5 11 52 1167.6 -20.66 358.71
 110.00 18 17 16 3983.61 9.87 150.15 351.35 57.10 19 23 39 3383.6 5.46 143.83

DIFFERENTIAL CORRECTIONS

TDE .0499 TRA -.3745 TC3-2.1573 BAU .4041
 RDE -.1138 RRA -.1149 RC3-2.8476 FAU .16304
 FDE -.2933 FRA -.5360 FC-16.6828 BSP 6604
 BDE .1242 BRA .3918 BC3 3.5725 FSP -2695

MID-COURSE EXECUTION ACCURACY

SGT 1462.9 SGR 1687.3 SG3 845.1
 RRT .9024 RRF .9969 RTF .9028
 SGB 2233.1 R23 .1798 R13 .9806
 SG1 2179.2 SG2 488.1 THA 49.51

ORBIT DETERMINATION ACCURACY

ST 247.1 SR 239.5 SS 211.2
 CRT -.0816 CRS -.9593 CST -.1442
 LSA 316.2 MSA 249.6 SSA 27.3
 EL1 253.7 EL2 232.5 ALF 145.46

LAUNCH DATE JUN 22 1967

FLIGHT TIME 132.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 368.857

RL 152.03 LAL .00 LOL 269.91 VL 27.001 GAL -3.29 AZL 89.93 HCA 166.75 SMA 130.52 ECC .17432 INC .0598 V1 29.304
 RP 107.78 LAP .02 LOP 76.66 VP 38.024 GAP .40 AZP 90.07 TAL 195.95 TAP 359.95 RCA 107.76 APO 153.27 V2 35.160
 RC 93.352 GL .66 GP -39.05 ZAL 125.23 ZAP 97.22 ETS 354.76 ZAE 142.04 ETE 247.16 ZAC 112.84 ETC .76 CLP -99.31

PLANETOCENTRIC CONIC

C3 8.265 VHL 2.875 DLA 13.92 RAL 147.20 RAD 6567.3 VEL 11.387 PTH 1.97 VHP 3.646 DPA -24.39 RAP 145.62 ECC 1.1360
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 12 2472.99 -24.88 58.54 359.22 103.97 2 4 25 1873.0 -22.72 50.54
 90.00 16 59 48 4221.45 .73 173.18 355.95 61.69 18 10 9 3621.5 -3.06 166.55
 100.00 2 51 55 2186.91 -25.81 37.22 358.95 105.62 3 28 22 1586.9 -23.42 29.24
 100.00 18 13 47 3982.76 1.57 155.16 355.49 60.15 19 20 9 3382.8 -2.41 148.64
 110.00 4 16 40 1921.72 -28.25 16.21 358.07 110.11 4 48 42 1321.7 -25.25 8.32
 110.00 19 5 31 3820.72 3.74 141.52 354.13 56.00 20 9 11 3220.7 -1.75 135.31

DIFFERENTIAL CORRECTIONS

TDE .1389 TRA -.3474 TC3-2.7075 BAU .4747
 RDE -.0030 RRA -.0704 RC3-3.3353 FAU .14113
 FDE .2223 FRA -.2310 FC-14.7833 BSP 7761
 BDE .1389 BRA .3544 BC3 4.2959 FSP -2345

MID-COURSE EXECUTION ACCURACY

SGT 1734.6 SGR 1923.2 SG3 736.5
 RRT .9253 RRF .9983 RTF .9260
 SGB 2589.9 R23 .1663 R13 .9844
 SG1 2541.6 SG2 497.6 THA 48.19

ORBIT DETERMINATION ACCURACY

ST 352.9 SR 72.3 SS 167.2
 CRT .4052 CRS -.4754 CST -.8809
 LSA 384.9 MSA 77.6 SSA 59.4
 EL1 354.2 EL2 65.8 ALF 4.91

LAUNCH DATE JUN 22 1967

FLIGHT TIME 134.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 375.161

RL 152.03 LAL .00 LOL 269.91 VL 26.989 GAL -3.20 AZL 88.81 HCA 169.97 SMA 130.44 ECC .17448 INC 1.1918 V1 29.304
 RP 107.75 LAP .21 LOP 79.88 VP 38.025 GAP .80 AZP 91.17 TAL 195.44 TAP 5.41 RCA 107.68 APO 153.19 V2 35.170
 RC 95.596 GL 11.07 GP -46.95 ZAL 123.59 ZAP 100.00 ETS 350.03 ZAE 133.40 ETE 245.35 ZAC 114.11 ETC 356.05 CLP-104.74

PLANETOCENTRIC CONIC

C3 8.498 VHL 2.915 DLA 23.38 RAL 151.91 RAD 6567.3 VEL 11.397 PTH 1.97 VHP 4.137 DPA -30.98 RAP 140.38 ECC 1.1399
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 54 30 2864.41 -28.31 86.53 7.60 90.45 24 42 14 2264.4 -27.95 77.89
 90.00 19 2 6 3840.47 -11.30 151.65 3.49 63.86 20 6 6 3240.5 -14.72 144.64
 100.00 1 38 3 2543.18 -29.77 62.85 7.55 92.78 2 20 27 1943.2 -29.07 54.12
 100.00 20 5 9 3636.94 -10.00 136.01 2.81 61.68 21 5 46 3036.9 -13.71 129.18
 110.00 3 23 8 2214.44 -33.24 37.48 7.15 98.48 4 0 3 1614.4 -31.71 28.59
 110.00 20 36 34 3538.45 -7.01 126.74 1.00 56.46 21 35 32 2938.4 -11.37 120.36

DIFFERENTIAL CORRECTIONS

TDE .3405 TRA -.2736 TC3-3.1152 BAU .5501
 RDE .2075 RRA .0177 RC3-3.7065 FAU .11091
 FDE .7736 FRA .0928 FC-11.2985 BSP 9087
 BDE .3987 BRA .2741 BC3 4.8418 FSP -1871

MID-COURSE EXECUTION ACCURACY

SGT 2022.3 SGR 2199.4 SG3 584.4
 RRT .9388 RRF .9991 RTF .9406
 SGB 2987.9 R23 .1520 R13 .9875
 SG1 2942.1 SG2 520.9 THA 47.56

ORBIT DETERMINATION ACCURACY

ST 694.1 SR 413.1 SS 548.5
 CRT .9573 CRS -.9995 CST -.9557
 LSA 965.6 MSA 144.2 SSA 9.9
 EL1 801.0 EL2 103.5 ALF 30.23

LAUNCH DATE JUN 22 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 381.436

RL 152.03 LAL .00 LOL 269.91 VL 26.974 GAL -3.09 AZL 86.64 HCA 173.19 SMA 130.34 ECC .17475 INC 3.3570 V1 29.304
 RP 107.72 LAP .40 LOP 83.11 VP 38.025 GAP 1.20 AZP 93.33 TAL 194.87 TAP 8.06 RCA 107.56 APO 153.11 V2 35.180
 RC 97.843 GL 28.74 GP -58.19 ZAL 118.42 ZAP 100.71 ETS 343.67 ZAE 121.88 ETE 244.19 ZAC 114.07 ETC 349.33 CLP-110.64

PLANETOCENTRIC CONIC

C3 10.756 VHL 3.280 DLA 39.12 RAL 161.48 RAD 6567.4 VEL 11.495 PTH 2.00 VHP 5.222 DPA -40.46 RAP 132.66 ECC 1.1770
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.80 18 53 4 4004.47 -30.90 173.84 24.11 64.71 19 59 48 3404.5 -34.03 165.53
 118.20 1 23 50 2792.96 -30.89 81.93 24.10 64.70 2 10 23 2193.0 -34.02 73.61
 61.80 18 53 4 4004.47 -30.90 173.84 24.11 64.71 19 59 48 3404.5 -34.03 165.53
 118.20 1 23 50 2792.96 -30.89 81.93 24.10 64.70 2 10 23 2193.0 -34.02 73.61
 61.80 18 53 4 4004.47 -30.90 173.84 24.11 64.71 19 59 48 3404.5 -34.03 165.53
 118.20 1 23 50 2792.96 -30.89 81.93 24.10 64.70 2 10 23 2193.0 -34.02 73.61

DIFFERENTIAL CORRECTIONS

TDE .8262 TRA -.0820 TC3-2.8182 BAU .6201
 RDE .6378 RRA .2174 RC3-3.2638 FAU .07146
 FDE 1.2253 FRA .3957 FC3-5.7516 BSP 10499
 BDE 1.0437 BRA .2324 BC3 4.3122 FSP -1246

MID-COURSE EXECUTION ACCURACY

SGT 2352.6 SGR 2462.6 SG3 382.6
 RRT .9451 RRF .9994 RTF .9502
 SGB 3405.7 R23 .1405 R13 .9896
 SG1 3358.7 SG2 563.7 THA 46.39

ORBIT DETERMINATION ACCURACY

ST 1445.5 SR 1125.7 SS 974.7
 CRT .9855 CRS -1.0000 CST -.9867
 LSA 2068.0 MSA 173.3 SSA 2.9
 EL1 1825.9 EL2 151.0 ALF 37.81

LAUNCH DATE JUN 22 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 387.664

RL 152.03 LAL .00 LOL 269.91 VL 26.957 GAL -2.96 AZL 80.66 HCA 176.38 SMA 130.22 ECC .17512 INC 9.3415 V1 29.304
 RP 107.69 LAP .59 LOP 86.34 VP 38.021 GAP 1.57 AZP 99.32 TAL 194.21 TAP 10.59 RCA 107.41 APO 153.02 V2 35.190
 RC 100.092 GL 54.43 GP -74.91 ZAL 106.23 ZAP 98.07 ETS 332.46 ZAE 105.19 ETE 239.23 ZAC 111.70 ETC 336.80 CLP-122.62

PLANETOCENTRIC CONIC

C3 28.855 VHL 5.372 DLA 59.07 RAL 187.43 RAD 6568.2 VEL 12.257 PTH 2.21 VHP 8.631 DPA -53.58 RAP 116.51 ECC 1.4749
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 35.72 19 6 10 4454.85 -32.67 219.42 74.85 37.63 20 20 25 3854.9 -38.86 213.57
 144.28 4 37 44 2797.33 -32.66 84.02 74.83 37.62 5 24 22 2197.3 -38.84 78.18
 35.72 19 6 10 4454.85 -32.67 219.42 74.85 37.63 20 20 25 3854.9 -38.86 213.57
 144.28 4 37 44 2797.33 -32.66 84.02 74.83 37.62 5 24 22 2197.3 -38.84 78.18
 35.72 19 6 10 4454.85 -32.67 219.42 74.85 37.63 20 20 25 3854.9 -38.86 213.57
 144.28 4 37 44 2797.33 -32.66 84.02 74.83 37.62 5 24 22 2197.3 -38.84 78.18

DIFFERENTIAL CORRECTIONS

TDE 2.1731 TRA .6135 TC3-1.1298 BAU .6116
 RDE 1.2366 RRA .7718 RC3-1.1122 FAU .02804
 FDE 1.1288 FRA .5980 FC3 -.8414 BSP 11798
 BDE 2.5003 BRA .9860 BC3 1.5854 FSP -565

MID-COURSE EXECUTION ACCURACY

SGT 2909.9 SGR 2394.5 SG3 168.6
 RRT .9397 RRF .9966 RTF .9631
 SGB 3768.4 R23 .1312 R13 .9910
 SG1 3713.3 SG2 641.8 THA 39.10

ORBIT DETERMINATION ACCURACY

ST 2349.5 SR 1404.3 SS 940.1
 CRT .9827 CRS -.9988 CST -.9907
 LSA 2884.3 MSA 237.2 SSA 1.2
 EL1 2728.0 EL2 224.0 ALF 30.66

LAUNCH DATE JUN 22 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 393.416

RL 152.03 LAL .00 LOL 269.91 VL 26.938 GAL -2.74 AZL 23.85 HCA 179.15 SMA 130.08 ECC .17519 INC66.1435 V1 29.304
 RP 107.66 LAP .78 LOP 89.57 VP 38.016 GAP 1.82 AZP 156.15 TAL 193.11 TAP 12.26 RCA 107.29 APO 152.87 V2 35.199
 RC 102.344 GL 53.10 GP -58.39 ZAL 92.60 ZAP 91.87 ETS 185.10 ZAE 60.96 ETE 96.45 ZAC 106.14 ETC 181.03 CLP 93.57

PLANETOCENTRIC CONIC

C3 946.905 VHL 30.772 DLA 48.77 RAL 204.73 RAD 6572.9 VEL 32.683 PTH 3.49 VHP 41.780 DPA -52.27 RAP 39.30 ECC16.5837
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.47 20 52 26 4949.90 .18 230.76 114.90 41.23 22 14 56 4349.9 -5.83 225.89
 131.53 5 9 32 3454.85 .19 113.36 114.88 41.23 6 7 6 2854.8 -5.82 108.49
 48.47 20 52 26 4949.90 .18 230.76 114.90 41.23 22 14 56 4349.9 -5.83 225.89
 131.53 5 9 32 3454.85 .19 113.36 114.88 41.23 6 7 6 2854.8 -5.82 108.49
 48.47 20 52 26 4949.90 .18 230.76 114.90 41.23 22 14 56 4349.9 -5.83 225.89
 131.53 5 9 32 3454.85 .19 113.36 114.88 41.23 6 7 6 2854.8 -5.82 108.49

DIFFERENTIAL CORRECTIONS

TDE-4.4052 TRA-1.2832 TC3 -.0847 BAU 3.0697
 RDE-7.3242 RRA-9.4030 RC3 -.2272 FAU-.04999
 FDE 1.3792 FRA 1.9415 FC3 .0457 BSP 7677
 BDE 8.5470 BRA 9.4902 BC3 .2425 FSP -137

MID-COURSE EXECUTION ACCURACY

SGT 1037.3 SGR 3297.4 SG3 57.7
 RRT .8217 RRF -.9995 RTF -.8028
 SGB 3456.7 R23 -.0770 R13 -.9970
 SG1 3409.1 SG2 571.7 THA 75.08

ORBIT DETERMINATION ACCURACY

ST 827.6 SR 1580.1 SS 1101.4
 CRT .9222 CRS .9992 CST .9056
 LSA 2073.5 MSA 308.9 SSA .6
 EL1 1760.4 EL2 287.2 ALF 63.46

LAUNCH DATE JUN 22 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 400.359

RL 152.03 LAL .00 LOL 269.91 VL 26.916 GAL -2.74 AZL 108.39 HCA 183.05 SMA-129.94 ECC .17647 INC18.3918 V1 29.304
 RP 107.63 LAP .96 LOP 92.80 VP 38.009 GAP 2.39 AZP 71.63 TAL 192.98 TAP 16.03 RCA 107.01 APO 152.87 V2 35.208
 RC 104.596 GL -64.53 GP 77.14 ZAL 98.54 ZAP 99.80 ETS 59.83 ZAE 96.23 ETE 149.39 ZAC 84.61 ETC 54.74 CLP-139.92

PLANETOCENTRIC CONIC

C3 88.279 VHL 9.396 DLA -50.27 RAL 129.12 RAD 6569.7 VEL 14.478 PTH 2.63 VHP 10.155 DPA 74.23 RAP 249.52 ECC 2.4529
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.56 3 46 26 2018.45 15.51 51.08 25.77 138.44 4 20 5 1418.4 21.42 45.80
 133.44 12 12 19 5781.03 15.53 268.56 25.79 138.44 13 48 40 5181.0 21.43 263.29
 46.56 3 46 26 2018.45 15.51 51.08 25.77 138.44 4 20 5 1418.4 21.42 45.80
 133.44 12 12 19 5781.03 15.53 268.56 25.79 138.44 13 48 40 5181.0 21.43 263.29
 46.56 3 46 26 2018.45 15.51 51.08 25.77 138.44 4 20 5 1418.4 21.42 45.80
 133.44 12 12 19 5781.03 15.53 268.56 25.79 138.44 13 48 40 5181.0 21.43 263.29

DIFFERENTIAL CORRECTIONS

TDE-5.0008 TRA-2.2635 TC3 -.2990 BAU .3670
 RDE 2.1713 RRA .0673 RC3 .0853 FAU .01523
 FDE-2.4631 FRA -.7536 FC3 -.1494 BSP 12549
 BDE 5.4518 BRA 2.2645 BC3 .3109 FSP -462

MID-COURSE EXECUTION ACCURACY

SGT 3778.6 SGR 1335.3 SG3 145.9
 RRT -.8456 RRF -.9224 RTF .9858
 SGB 4007.6 R23 .1136 R13 -.9933
 SGI 3949.1 SGI 682.0 THA 162.84

ORBIT DETERMINATION ACCURACY

ST 3117.6 SR 1324.2 SS 1331.4
 CRT -.9811 CRS .9918 CST -.9978
 LSA 3631.5 MSA 241.0 SSA 1.0
 EL1 3378.9 EL2 236.5 ALF 157.26

LAUNCH DATE JUN 22 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 406.514

RL 152.03 LAL .00 LOL 269.91 VL 26.893 GAL -2.58 AZL 100.59 HCA 186.23 SMA 129.77 ECC .17716 INC10.5900 V1 29.304
 RP 107.61 LAP 1.14 LOP 96.04 VP 37.999 GAP 2.74 AZP 79.47 TAL 192.14 TAP 18.37 RCA 106.78 APO 152.77 V2 35.216
 RC 106.849 GL -57.20 GP 57.24 ZAL 102.97 ZAP 109.80 ETS 36.27 ZAE 113.97 ETE 132.33 ZAC 92.31 ETC 33.39 CLP-128.76

PLANETOCENTRIC CONIC

C3 34.503 VHL 5.874 DLA -42.96 RAL 132.32 RAD 6568.4 VEL 12.485 PTH 2.26 VHP 5.760 DPA 65.44 RAP 192.35 ECC 1.5678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 56.23 4 34 5 1701.30 23.57 29.07 14.38 127.03 5 2 26 1101.3 28.21 22.25
 123.77 11 50 13 5640.77 23.58 263.29 14.39 127.02 13 24 14 5040.8 28.22 256.46
 56.23 4 34 5 1701.30 23.57 29.07 14.38 127.03 5 2 26 1101.3 28.21 22.25
 123.77 11 50 13 5640.77 23.58 263.29 14.39 127.02 13 24 14 5040.8 28.22 256.46
 56.23 4 34 5 1701.30 23.57 29.07 14.38 127.03 5 2 26 1101.3 28.21 22.25
 123.77 11 50 13 5640.77 23.58 263.29 14.39 127.02 13 24 14 5040.8 28.22 256.46

DIFFERENTIAL CORRECTIONS

TDE-2.5278 TRA-1.4520 TC3-1.1249 BAU .5921
 RDE 1.7850 RRA .4200 RC3 .6184 FAU .05389
 FDE-3.3903 FRA-1.0262 FC3-1.3522 BSP 12268
 BDE 3.0945 BRA 1.5115 BC3 1.2837 FSP -1081

MID-COURSE EXECUTION ACCURACY

SGT 3401.7 SGR 1967.9 SG3 338.3
 RRT -.9466 RRF -.9964 RTF .9686
 SGB 3929.9 R23 .1686 R13 -.9852
 SGI 3890.6 SG2 554.9 THA 150.64

ORBIT DETERMINATION ACCURACY

ST 2533.4 SR 1749.3 SS 1658.5
 CRT -.9909 CRS .9996 CST -.9942
 LSA 3490.3 MSA 215.8 SSA 1.6
 EL1 3072.6 EL2 194.3 ALF 145.46

LAUNCH DATE JUN 22 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 412.691

RL 152.03 LAL .00 LOL 269.91 VL 26.867 GAL -2.42 AZL 98.07 HCA 189.45 SMA 129.60 ECC .17800 INC 8.0722 V1 29.304
 RP 107.59 LAP 1.32 LOP 99.27 VP 37.988 GAP 3.09 AZP 82.04 TAL 191.29 TAP 20.75 RCA 106.53 APO 152.67 V2 35.223
 RC 109.101 GL -51.52 GP 43.49 ZAL 104.94 ZAP 117.92 ETS 31.65 ZAE 124.14 ETE 137.15 ZAC 98.18 ETC 30.06 CLP-130.20

PLANETOCENTRIC CONIC

C3 23.183 VHL 4.815 DLA -37.98 RAL 135.88 RAD 6567.9 VEL 12.023 PTH 2.15 VHP 4.647 DPA 54.31 RAP 175.78 ECC 1.3815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.56 5 21 23 1509.36 24.64 13.51 9.87 119.86 5 46 33 909.4 28.42 6.04
 116.44 11 31 18 5634.64 24.66 263.55 9.88 119.85 13 5 12 5034.6 28.43 256.08
 63.56 5 21 23 1509.36 24.64 13.51 9.87 119.86 5 46 33 909.4 28.42 6.04
 116.44 11 31 18 5634.64 24.66 263.55 9.88 119.85 13 5 12 5034.6 28.43 256.08
 63.56 5 21 23 1509.36 24.64 13.51 9.87 119.86 5 46 33 909.4 28.42 6.04
 116.44 11 31 18 5634.64 24.66 263.55 9.88 119.85 13 5 12 5034.6 28.43 256.08

DIFFERENTIAL CORRECTIONS

TDE-2.0516 TRA-1.2074 TC3-1.8763 BAU .6331
 RDE 1.1429 RRA .2574 RC3 .8075 FAU .08394
 FDE-3.8478 FRA-1.0708 FC3-3.1345 BSP 12216
 BDE 2.3484 BRA 1.2345 BC3 2.0427 FSP -1607

MID-COURSE EXECUTION ACCURACY

SGT 3542.2 SGR 1614.1 SG3 494.0
 RRT -.9503 RRF -.9972 RTF .9667
 SGB 3892.6 R23 .2011 R13 -.9786
 SGI 3865.2 SG2 460.3 THA 156.23

ORBIT DETERMINATION ACCURACY

ST 2502.4 SR 1365.2 SS 1849.0
 CRT -.9909 CRS .9998 CST -.9934
 LSA 3391.4 MSA 207.4 SSA 2.3
 EL1 2846.0 EL2 161.4 ALF 151.50

LAUNCH DATE JUN 22 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 418.863

RL 152.03 LAL .00 LOL 269.91 VL 26.840 GAL -2.25 AZL 96.83 HCA 192.69 SMA 129.42 ECC .17895 INC 6.8278 V1 29.304
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.975 GAP 3.45 AZP 83.34 TAL 190.40 TAP 23.09 RCA 106.26 APO 152.58 V2 35.230
 RC 111.351 GL -47.57 GP 34.04 ZAL 105.56 ZAP 124.16 ETS 28.50 ZAE 129.71 ETE 143.75 ZAC 102.03 ETC 27.77 CLP-132.67

PLANETOCENTRIC CONIC

C3 18.664 VHL 4.320 DLA -34.75 RAL 138.85 RAD 6567.8 VEL 11.834 PTH 2.10 VHP 4.270 DPA 45.89 RAP 168.99 ECC 1.3072
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.96 6 2 22 1370.93 24.29 2.19 8.25 115.65 6 25 13 770.9 27.53 354.47
 111.04 11 14 0 5669.16 24.30 266.12 8.26 115.64 12 48 29 5069.2 27.55 258.40
 68.96 6 2 22 1370.93 24.29 2.19 8.25 115.65 6 25 13 770.9 27.53 354.47
 111.04 11 14 0 5669.16 24.30 266.12 8.26 115.64 12 48 29 5069.2 27.55 258.40
 68.96 6 2 22 1370.93 24.29 2.19 8.25 115.65 6 25 13 770.9 27.53 354.47
 111.04 11 14 0 5669.16 24.30 266.12 8.26 115.64 12 48 29 5069.2 27.55 258.40

DIFFERENTIAL CORRECTIONS

TDE-1.8290 TRA-1.0426 TC3-2.4414 BAU .6366
 RDE .7672 RRA .1335 RC3 .7403 FAU .09544
 FDE-3.7657 FRA -.8501 FC3-4.4270 BSP 11426
 BDE 1.9834 BRA 1.0511 BC3 2.5512 FSP -1693

MID-COURSE EXECUTION ACCURACY

SGT 3628.5 SGR 1221.1 SG3 556.3
 RRT -.9435 RRF -.9952 RTF .9628
 SGB 3828.4 R23 .2306 R13 -.9708
 SGI 3809.0 SG2 4385.4 THA 162.20

ORBIT DETERMINATION ACCURACY

ST 2478.5 SR 1019.8 SS 1849.1
 CRT -.9900 CRS .9998 CST -.9925
 LSA 3249.6 MSA 205.2 SSA 3.1
 EL1 2676.8 EL2 133.5 ALF 157.78

LAUNCH DATE JUN 22 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 425.015

RL 152.03 LAL .00 LOL 269.91 VL 26.812 GAL -2.06 AZL 96.08 HCA 195.92 SMA 129.22 ECC .18002 INC 6.0827 V1 29.304
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.961 GAP 3.80 AZP 84.15 TAL 189.47 TAP 25.40 RCA 105.96 APO 152.49 V2 35.236
 RC 113.598 GL -44.70 GP 27.42 ZAL 105.42 ZAP 129.09 ETS 26.01 ZAE 132.53 ETE 149.94 ZAC 104.39 ETC 25.85 CLP-135.26

PLANETOCENTRIC CONIC

C3 16.291 VHL 4.036 DLA -32.63 RAL 141.47 RAD 6567.7 VEL 11.734 PTH 2.07 VHP 4.151 DPA 39.73 RAP 165.59 ECC 1.2681
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.07 6 38 8 1261.82 23.76 353.45 8.02 113.06 6 59 9 661.8 26.67 345.63
 106.93 10 59 6 5715.30 23.77 269.43 8.03 113.04 12 34 22 5115.3 26.68 261.61
 73.07 6 38 8 1261.82 23.76 353.45 8.02 113.06 6 59 9 661.8 26.67 345.63
 106.93 10 59 6 5715.30 23.77 269.43 8.03 113.04 12 34 22 5115.3 26.68 261.61
 110.00 10 0 29 608.15 17.34 302.05 4.61 119.93 10 10 37 8.2 21.19 295.03
 110.00 12 35 55 5416.96 30.52 249.11 10.73 106.21 14 6 12 4817.0 32.43 240.42

DIFFERENTIAL CORRECTIONS

TDE-1.7526 TRA -.9619 TC3-3.0046 BAU .6699
 RDE .5701 RRA .0830 RC3 .6566 FAU .10343
 FDE-3.6333 FRA -.7058 FC3-5.4961 BSP 12105
 BDE 1.8430 BRA .9655 BC3 3.0755 FSP -1887

MID-COURSE EXECUTION ACCURACY

SGT 3834.2 SGR 977.4 SG3 596.7
 RRT -.9408 RRF -.9913 RTF .9638
 SGB 3956.8 R23 .2305 R13 -.9685
 SG1 3943.7 SG2 322.2 THA 166.42

ORBIT DETERMINATION ACCURACY

ST 2536.0 SR 810.5 SS 1854.7
 CRT -.9900 CRS .9998 CST -.9923
 LSA 3238.5 MSA 200.8 SSA 4.1
 EL1 2660.1 EL2 109.0 ALF 162.41

LAUNCH DATE JUN 22 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 431.152

RL 152.03 LAL .00 LOL 269.91 VL 26.782 GAL -1.87 AZL 95.58 HCA 199.17 SMA 129.02 ECC .18120 INC 5.5842 V1 29.304
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.945 GAP 4.15 AZP 84.72 TAL 188.51 TAP 27.67 RCA 105.64 APO 152.40 V2 35.241
 RC 115.842 GL -42.54 GP 22.65 ZAL 104.76 ZAP 133.12 ETS 23.98 ZAE 133.78 ETE 155.16 ZAC 105.74 ETC 24.20 CLP-137.79

PLANETOCENTRIC CONIC

C3 14.843 VHL 3.853 DLA -31.23 RAL 143.91 RAD 6567.6 VEL 11.672 PTH 2.05 VHP 4.145 DPA 35.12 RAP 163.81 ECC 1.2443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.24 7 9 22 1173.65 23.32 346.56 8.59 111.39 7 28 55 573.7 26.01 338.68
 103.76 10 47 23 5761.42 23.33 272.74 8.59 111.37 12 23 24 5161.4 26.03 264.87
 76.24 7 9 22 1173.65 23.32 346.56 8.59 111.39 7 28 55 573.7 26.01 338.68
 103.76 10 47 23 5761.42 23.33 272.74 8.59 111.37 12 23 24 5161.4 26.03 264.87
 110.00 9 41 11 680.22 14.85 306.14 4.17 121.15 9 52 31 80.2 18.86 299.33
 110.00 13 14 44 5302.85 32.39 240.74 11.62 101.58 14 43 7 4702.9 33.64 231.74

DIFFERENTIAL CORRECTIONS

TDE-1.7141 TRA -.8834 TC3-3.4744 BAU .6976
 RDE .4427 RRA .0488 RC3 .5365 FAU .10415
 FDE-3.4058 FRA -.5169 FC3-6.0746 BSP 12537
 BDE 1.7703 BRA .8847 BC3 3.5155 FSP -1913

MID-COURSE EXECUTION ACCURACY

SGT 4003.2 SGR 782.0 SG3 600.9
 RRT -.9313 RRF -.9829 RTF .9634
 SGB 4078.9 R23 .2231 R13 -.9663
 SG1 4069.2 SG2 280.3 THA 169.64

ORBIT DETERMINATION ACCURACY

ST 2591.8 SR 658.9 SS 1817.4
 CRT -.9901 CRS .9999 CST -.9921
 LSA 3227.3 MSA 197.5 SSA 5.2
 EL1 2672.7 EL2 89.6 ALF 165.85

LAUNCH DATE JUN 22 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 437.272

RL 152.03 LAL .00 LOL 269.91 VL 26.751 GAL -1.67 AZL 95.23 HCA 202.41 SMA 128.81 ECC .18250 INC 5.2252 V1 29.304
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.927 GAP 4.49 AZP 85.17 TAL 187.50 TAP 29.91 RCA 105.31 APO 152.32 V2 35.246
 RC 118.080 GL -40.83 GP 19.10 ZAL 103.75 ZAP 136.54 ETS 22.34 ZAE 134.17 ETE 159.37 ZAC 106.38 ETC 22.79 CLP-140.19

PLANETOCENTRIC CONIC

C3 13.873 VHL 3.725 DLA -30.32 RAL 146.29 RAD 6567.5 VEL 11.630 PTH 2.04 VHP 4.198 DPA 31.56 RAP 162.96 ECC 1.2283
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.68 7 36 28 1102.93 23.03 341.13 9.66 110.29 7 54 51 502.9 25.58 333.22
 101.32 10 39 13 5802.27 23.04 275.69 9.66 110.28 12 15 56 5202.3 25.59 267.78
 78.68 7 36 28 1102.93 23.03 341.13 9.66 110.29 7 54 51 502.9 25.58 333.22
 101.32 10 39 13 5802.27 23.04 275.69 9.66 110.28 12 15 56 5202.3 25.59 267.78
 110.00 9 35 33 714.89 13.62 308.08 4.84 121.66 9 47 28 114.9 17.71 301.35
 110.00 13 39 19 5238.30 33.17 235.87 12.64 98.80 15 6 37 4638.3 34.02 226.73

DIFFERENTIAL CORRECTIONS

TDE-1.7004 TRA -.8061 TC3-3.8808 BAU .7239
 RDE .3591 RRA .0281 RC3 .4167 FAU .10145
 FDE-3.1656 FRA -.3312 FC3-6.3305 BSP 12931
 BDE 1.7379 BRA .8066 BC3 3.9031 FSP -1873

MID-COURSE EXECUTION ACCURACY

SGT 4154.9 SGR 635.6 SG3 587.9
 RRT -.9142 RRF -.9672 RTF .9627
 SGB 4203.2 R23 .2067 R13 -.9645
 SG1 4195.4 SG2 255.2 THA 172.01

ORBIT DETERMINATION ACCURACY

ST 2652.3 SR 552.7 SS 1768.0
 CRT -.9906 CRS .9999 CST -.9920
 LSA 3229.3 MSA 194.0 SSA 6.2
 EL1 2708.2 EL2 73.9 ALF 168.33

LAUNCH DATE JUN 22 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 443.374

RL 152.03 LAL .00 LOL 269.91 VL 26.718 GAL -1.45 AZL 94.95 HCA 205.65 SMA 128.60 ECC .18391 INC 4.9530 V1 29.304
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.908 GAP 4.83 AZP 85.53 TAL 186.46 TAP 32.11 RCA 104.95 APO 152.25 V2 35.250
 RC 120.312 GL -39.42 GP 16.38 ZAL 102.46 ZAP 139.53 ETS 20.98 ZAE 134.09 ETE 162.72 ZAC 106.50 ETC 21.57 CLP-142.46

PLANETOCENTRIC CONIC

C3 13.189 VHL 3.632 DLA -29.76 RAL 148.66 RAD 6567.5 VEL 11.601 PTH 2.03 VHP 4.283 DPA 28.70 RAP 162.71 ECC 1.2171
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.45 7 59 21 1049.12 22.87 337.06 11.10 109.58 8 16 50 449.1 25.33 329.14
 99.55 10 35 15 5834.03 22.88 277.99 11.10 109.56 12 12 29 5234.0 25.34 270.06
 100.00 10 14 41 611.76 21.13 304.26 10.40 111.65 10 24 52 11.8 23.89 296.54
 100.00 11 2 37 5746.63 24.64 272.14 11.75 107.49 12 38 23 5146.6 26.80 264.00
 110.00 9 36 33 732.09 13.00 309.03 6.11 121.90 9 48 45 132.1 17.12 302.34
 110.00 13 57 14 5199.06 33.53 232.86 13.96 97.06 15 23 53 4599.1 34.15 223.68

DIFFERENTIAL CORRECTIONS

TDE-1.7076 TRA -.7302 TC3-4.2481 BAU .7510
 RDE .3039 RRA .0168 RC3 .3096 FAU .09743
 FDE-2.9490 FRA -.1659 FC3-6.3951 BSP 13395
 BDE 1.7344 BRA .7304 BC3 4.2594 FSP -1819

MID-COURSE EXECUTION ACCURACY

SGT 4305.7 SGR 530.5 SG3 568.6
 RRT -.8870 RRF -.9408 RTF .9622
 SGB 4338.3 R23 .1831 R13 -.9634
 SG1 4331.5 SG2 243.5 THA 173.74

ORBIT DETERMINATION ACCURACY

ST 2724.9 SR 479.6 SS 1723.0
 CRT -.9917 CRS .9999 CST -.9919
 LSA 3253.8 MSA 190.2 SSA 7.3
 EL1 2766.1 EL2 60.8 ALF 170.09

LAUNCH DATE JUN 22 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 449.459

RL 152.03 LAL .00 LOL 269.91 VL 26.685 GAL -1.22 AZL 94.74 HCA 208.90 SMA 128.38 ECC .18544 INC 4.7382 V1 29.304
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.888 GAP 5.17 AZP 85.85 TAL 185.38 TAP 34.28 RCA 104.57 APO 152.19 V2 35.253
 RC 122.538 GL -38.21 GP 14.26 ZAL 100.95 ZAP 142.19 ETS 19.86 ZAE 133.76 ETE 165.38 ZAC 106.23 ETC 20.51 CLP-144.60

PLANETOCENTRIC CONIC

C3 12.691 VHL 3.562 DLA -29.44 RAL 151.06 RAD 6567.5 VEL 11.579 PTH 2.02 VHP 4.390 DPA 26.32 RAP 162.89 ECC 1.2089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.59 8 17 44 1012.67 22.82 334.34 12.84 109.12 8 34 37 412.7 25.22 326.40
 98.41 10 36 3 5853.92 22.83 279.44 12.84 109.11 12 13 37 5253.9 25.23 271.50
 100.00 10 4 38 666.50 19.72 307.71 11.56 112.93 10 15 44 66.5 22.65 300.14
 100.00 11 31 50 5675.32 26.01 267.28 13.92 105.28 13 6 25 5075.3 27.85 258.97
 110.00 9 41 40 738.83 12.76 309.40 7.79 121.99 9 53 59 138.8 16.89 302.73
 110.00 14 11 17 5175.75 33.71 231.07 15.59 96.01 15 37 33 4575.8 34.18 221.86

DIFFERENTIAL CORRECTIONS

TOE-1.7237 TRA -.6471 TC3-4.5664 BAU .7756
 RDE .2657 RRA .0105 RC3 .2140 FAU .09235
 FDE-2.7453 FRA -.0086 FC3-6.2998 BSP 13768
 BDE 1.7441 BRA .6472 BC3 4.5714 FSP -1735

MID-COURSE EXECUTION ACCURACY

SGT 4438.4 SGR 454.1 SG3 544.0
 RRT -.8454 RRF -.8993 RTF .9613
 SGB 4461.6 R23 .1578 R13 -.9620
 SG1 4455.0 SG2 241.7 THA 175.04

ORBIT DETERMINATION ACCURACY

ST 2797.1 SR 427.4 SS 1675.4
 CRT -.9931 CRS .9997 CST -.9919
 LSA 3283.1 MSA 186.4 SSA 8.4
 EL1 2829.1 EL2 49.5 ALF 171.37

LAUNCH DATE JUN 22 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 455.526

RL 152.03 LAL .00 LOL 269.91 VL 26.651 GAL -.98 AZL 94.56 HCA 212.14 SMA 128.15 ECC .18709 INC 4.5633 V1 29.304
 RP 107.49 LAP 2.43 LOP 121.98 VP 37.866 GAP 5.51 AZP 86.13 TAL 184.27 TAP 36.42 RCA 104.18 APO 152.13 V2 35.256
 RC 124.755 GL -37.14 GP 12.56 ZAL 99.25 ZAP 144.59 ETS 18.93 ZAE 133.30 ETE 167.52 ZAC 105.66 ETC 19.57 CLP-146.62

PLANETOCENTRIC CONIC

C3 12.328 VHL 3.511 DLA -29.31 RAL 153.52 RAD 6567.5 VEL 11.564 PTH 2.02 VHP 4.510 DPA 24.29 RAP 163.39 ECC 1.2029
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.09 8 31 31 993.74 22.86 332.96 14.83 108.86 8 48 5 393.7 25.23 325.00
 97.91 10 41 54 5860.46 22.87 279.94 14.83 108.85 12 19 34 5260.5 25.23 271.99
 100.00 10 8 37 679.13 19.38 308.50 13.40 113.21 10 19 56 79.1 22.36 300.96
 100.00 11 47 29 5650.30 26.44 265.55 16.01 104.47 13 21 40 5050.3 28.17 257.18
 110.00 9 49 42 738.67 12.76 309.39 9.80 121.98 10 2 1 138.7 16.90 302.72
 110.00 14 22 53 5163.52 33.80 230.12 17.50 95.45 15 48 57 4563.5 34.18 220.90

DIFFERENTIAL CORRECTIONS

TOE-1.7512 TRA -.5614 TC3-4.8554 BAU .8005
 RDE .2399 RRA .0085 RC3 .1331 FAU .08730
 FDE-2.5684 FRA .1267 FC3-6.1305 BSP 14187
 BDE 1.7675 BRA .5614 BC3 4.8572 FSP -1660

MID-COURSE EXECUTION ACCURACY

SGT 4571.1 SGR 402.8 SG3 519.5
 RRT -.7898 RRF -.8420 RTF .9607
 SGB 4588.8 R23 .1321 R13 -.9612
 SG1 4582.2 SG2 246.5 THA 176.01

ORBIT DETERMINATION ACCURACY

ST 2876.8 SR 391.5 SS 1634.3
 CRT -.9948 CRS .9993 CST -.9920
 LSA 3326.7 MSA 181.9 SSA 9.5
 EL1 2903.0 EL2 39.4 ALF 172.29

LAUNCH DATE JUN 22 1967

FLIGHT TIME 162.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 461.574

RL 152.03 LAL .00 LOL 269.91 VL 26.616 GAL -.73 AZL 94.42 HCA 215.39 SMA 127.92 ECC .18887 INC 4.4174 V1 29.304
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.843 GAP 5.85 AZP 86.40 TAL 183.14 TAP 38.53 RCA 103.76 APO 152.09 V2 35.258
 RC 126.964 GL -36.16 GP 11.18 ZAL 97.39 ZAP 146.79 ETS 18.16 ZAE 132.79 ETE 169.24 ZAC 104.85 ETC 18.74 CLP-148.52

PLANETOCENTRIC CONIC

C3 12.069 VHL 3.474 DLA -29.32 RAL 156.06 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 4.641 DPA 22.51 RAP 164.13 ECC 1.1986
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.05 8 41 18 990.34 22.97 332.74 17.05 108.75 8 57 48 390.3 25.31 324.78
 97.95 10 52 21 5854.87 22.98 279.57 17.06 108.73 12 29 56 5254.9 25.33 271.60
 100.00 10 19 10 673.21 19.54 308.13 15.65 113.08 10 30 23 73.2 22.50 300.58
 100.00 11 57 10 5647.23 26.50 265.34 18.21 104.37 13 31 17 5047.2 28.21 256.96
 110.00 9 59 58 733.70 12.94 309.12 12.08 121.92 10 12 11 133.7 17.07 302.43
 110.00 14 32 52 5159.51 33.82 229.81 19.68 95.27 15 58 51 4559.5 34.18 220.59

DIFFERENTIAL CORRECTIONS

TOE-1.7862 TRA -.4689 TC3-5.1075 BAU .8241
 RDE .2224 RRA .0089 RC3 .0638 FAU .08214
 FDE-2.4114 FRA .2503 FC3-5.8925 BSP 14607
 BDE 1.8000 BRA .4689 BC3 5.1079 FSP -1586

MID-COURSE EXECUTION ACCURACY

SGT 4696.7 SGR 369.9 SG3 494.8
 RRT -.7213 RRF -.7706 RTF .9601
 SGB 4711.2 R23 .1098 R13 -.9604
 SG1 4704.3 SG2 255.8 THA 176.74

ORBIT DETERMINATION ACCURACY

ST 2959.9 SR 366.9 SS 1596.6
 CRT -.9966 CRS .9984 CST -.9921
 LSA 3378.3 MSA 177.5 SSA 10.6
 EL1 2982.4 EL2 30.1 ALF 172.96

LAUNCH DATE JUN 22 1967

FLIGHT TIME 164.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 467.603

RL 152.03 LAL .00 LOL 269.91 VL 26.581 GAL -.47 AZL 94.29 HCA 218.64 SMA 127.69 ECC .19079 INC 4.2931 V1 29.304
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.819 GAP 6.19 AZP 86.64 TAL 181.97 TAP 40.61 RCA 103.33 APO 152.05 V2 35.259
 RC 129.165 GL -35.23 GP 10.04 ZAL 95.38 ZAP 148.81 ETS 17.51 ZAE 132.27 ETE 170.65 ZAC 103.85 ETC 17.99 CLP-150.32

PLANETOCENTRIC CONIC

C3 11.897 VHL 3.449 DLA -29.44 RAL 158.68 RAD 6567.5 VEL 11.545 PTH 2.02 VHP 4.780 DPA 20.91 RAP 165.07 ECC 1.1958
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.60 8 48 14 998.56 23.12 333.41 19.49 108.75 9 4 53 398.6 25.47 325.43
 98.40 11 6 18 5840.60 23.13 278.57 19.50 108.73 12 43 39 5240.6 25.47 270.59
 100.00 10 34 47 653.51 20.06 306.90 18.25 112.64 10 45 41 53.5 22.95 299.30
 100.00 12 2 27 5660.88 26.26 266.29 20.54 104.82 13 36 47 5060.9 28.04 257.94
 110.00 10 11 59 725.34 13.24 308.65 14.59 121.81 10 24 5 125.3 17.35 301.95
 110.00 14 41 44 5161.82 33.81 229.99 22.09 95.38 16 7 46 4561.8 34.18 220.77

DIFFERENTIAL CORRECTIONS

TOE-1.8269 TRA -.3696 TC3-5.3276 BAU .8473
 RDE .2111 RRA .0111 RC3 .0060 FAU .07722
 FDE-2.2711 FRA .3608 FC3-5.6195 BSP 14990
 BDE 1.8390 BRA .3698 BC3 5.3276 FSP -1509

MID-COURSE EXECUTION ACCURACY

SGT 4818.0 SGR 351.3 SG3 471.1
 RRT -.6465 RRF -.6914 RTF .9596
 SGB 4830.8 R23 .0905 R13 -.9598
 SG1 4823.4 SG2 267.7 THA 177.29

ORBIT DETERMINATION ACCURACY

ST 3044.1 SR 350.7 SS 1561.2
 CRT -.9980 CRS .9969 CST -.9923
 LSA 3434.7 MSA 172.7 SSA 11.7
 EL1 3064.1 EL2 21.8 ALF 173.44

LAUNCH DATE JUN 22 1967

FLIGHT TIME 166.77

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 473.612

RL 152.03 LAL .00 LOL 269.91 VL 26.545 GAL -.19 AZL 94.19 MCA 221.88 SMA 127.46 ECC .19285 INC 4.1852 V1 29.304
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.794 GAP 6.53 AZP 86.88 TAL 180.79 TAP 42.67 RCA 102.88 APO 152.04 V2 35.259
 RC 131.355 GL -34.33 GP 9.09 ZAL 93.25 ZAP 150.70 ETS 16.97 ZAE 131.76 ETE 171.80 ZAC 102.67 ETC 17.32 CLP-152.02

PLANETOCENTRIC CONIC

C3 11.802 VHL 3.435 OLA -29.63 RAL 161.39 RAD 6567.4 VEL 11.541 PTH 2.01 VHP 4.926 DPA 19.45 RAP 166.17 ECC 1.1942
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.91 8 53 37 1014.29 23.30 334.64 22.14 108.83 9 10 31 414.3 25.66 326.65
 99.09 11 22 33 5821.51 23.31 277.22 22.14 108.82 12 59 35 5221.5 25.67 269.24
 100.00 10 55 55 618.66 20.96 304.70 21.20 111.82 11 6 14 18.7 23.74 297.00
 100.00 12 2 56 5692.37 25.70 268.46 22.96 105.82 13 37 48 5092.4 27.62 260.18
 110.00 10 25 28 714.68 13.62 308.06 17.34 121.66 10 37 23 114.7 17.71 301.34
 110.00 14 49 52 5169.12 33.76 230.56 24.72 95.71 16 16 1 4569.1 34.18 221.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8736 TRA -.2667 TC3-5.5215 BAU .8712 SGT 4941.5 SGR 343.3 SG3 449.3 ST 3130.7 SR 341.0 SS 1529.8
 RDE .2044 RRA .0148 RC3 -.0407 FAU .07278 RRT -.5740 RRF -.6130 RTF .9598 CRT -.9990 CRS .9947 CST -.9926
 FDE-2.1484 FRA .4529 FC3-5.3387 BSP 15480 SGB 4953.4 R23 .0735 R13 -.9600 LSA 3497.1 MSA 167.2 SSA 12.8
 BDE 1.8848 BRA .2671 BC3 5.5217 FSP -1457 SG1 4945.5 SG2 280.8 THA 177.71 EL1 3149.2 EL2 15.5 ALF 173.79

LAUNCH DATE JUN 22 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 479.601

RL 152.03 LAL .00 LOL 269.91 VL 26.508 GAL .10 AZL 94.09 MCA 225.13 SMA 127.22 ECC .19506 INC 4.0902 V1 29.304
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.768 GAP 6.87 AZP 87.11 TAL 179.57 TAP 44.71 RCA 102.40 APO 152.03 V2 35.259
 RC 133.537 GL -33.43 GP 8.29 ZAL 91.00 ZAP 152.46 ETS 16.53 ZAE 131.28 ETE 172.76 ZAC 101.36 ETC 16.72 CLP-153.64

PLANETOCENTRIC CONIC

C3 11.779 VHL 3.432 OLA -29.87 RAL 164.19 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 5.078 DPA 18.08 RAP 167.41 ECC 1.1939
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.08 8 58 27 1034.12 23.49 336.18 24.98 108.99 9 15 41 434.1 25.87 328.19
 99.92 11 40 3 5800.87 23.50 275.76 24.98 108.98 13 16 44 5200.9 25.88 267.77
 100.00 11 30 19 5831.92 22.77 277.79 24.70 109.90 13 7 31 5231.9 25.28 269.89
 100.00 11 50 52 5766.35 24.23 273.46 25.25 108.07 13 26 58 5166.3 26.47 265.38
 110.00 10 40 7 702.60 14.05 307.39 20.29 121.49 10 51 49 102.6 18.12 300.64
 110.00 14 57 34 5180.39 33.68 231.43 27.57 96.22 16 23 54 4580.4 34.17 222.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9094 TRA -.1433 TC3-5.6450 BAU .8890 SGT 5025.0 SGR 340.0 SG3 423.2 ST 3190.8 SR 333.6 SS 1476.3
 RDE .1997 RRA .0179 RC3 -.0823 FAU .06757 RRT -.4996 RRF -.5324 RTF .9581 CRT -.9991 CRS .9913 CST -.9925
 FDE-2.0053 FRA .5605 FC3-4.9666 BSP 15780 SGB 5036.5 R23 .0601 R13 -.9582 LSA 3527.7 MSA 164.0 SSA 13.8
 BDE 1.9198 BRA .1445 BC3 5.6456 FSP -1377 SG1 5027.9 SG2 294.3 THA 178.06 EL1 3208.1 EL2 13.9 ALF 174.04

LAUNCH DATE JUN 22 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 485.571

RL 152.03 LAL .00 LOL 269.91 VL 26.471 GAL .41 AZL 94.01 MCA 228.38 SMA 126.98 ECC .19743 INC 4.0054 V1 29.304
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.741 GAP 7.21 AZP 87.34 TAL 178.34 TAP 46.72 RCA 101.91 APO 152.05 V2 35.257
 RC 135.709 GL -32.52 GP 7.61 ZAL 88.65 ZAP 154.11 ETS 16.17 ZAE 130.82 ETE 173.56 ZAC 99.93 ETC 16.16 CLP-155.18

PLANETOCENTRIC CONIC

C3 11.827 VHL 3.439 OLA -30.14 RAL 167.08 RAD 6567.5 VEL 11.542 PTH 2.01 VHP 5.236 DPA 16.79 RAP 168.76 ECC 1.1946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.22 9 3 26 1055.81 23.68 337.87 28.01 109.21 9 21 2 455.8 26.08 329.87
 100.78 11 58 6 5780.88 23.69 274.34 28.01 109.20 13 34 27 5180.9 26.09 266.35
 79.22 9 3 26 1055.81 23.68 337.87 28.01 109.21 9 21 2 455.8 26.08 329.87
 100.78 11 58 6 5780.88 23.69 274.34 28.01 109.20 13 34 27 5180.9 26.09 266.35
 110.00 10 55 43 689.85 14.51 306.68 23.43 121.30 11 7 12 89.8 18.55 299.89
 110.00 15 5 1 5194.84 33.57 232.54 30.61 96.87 16 31 36 4594.8 34.15 223.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9650 TRA -.0197 TC3-5.7420 BAU .9081 SGT 5130.0 SGR 345.2 SG3 403.4 ST 3276.0 SR 333.7 SS 1452.9
 RDE .2001 RRA .0223 RC3 -.1135 FAU .06313 RRT -.4433 RRF -.4729 RTF .9580 CRT -.9985 CRS .9874 CST -.9929
 FDE-1.9140 FRA .6416 FC3-4.6208 BSP 16042 SGB 5141.6 R23 .0521 R13 -.9581 LSA 3595.6 MSA 159.3 SSA 14.8
 BDE 1.9752 BRA .0298 BC3 5.7431 FSP -1300 SG1 5132.2 SG2 309.3 THA 178.29 EL1 3292.9 EL2 18.5 ALF 174.19

LAUNCH DATE JUN 22 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 491.518

RL 152.03 LAL .00 LOL 269.91 VL 26.433 GAL .73 AZL 93.93 MCA 231.63 SMA 126.74 ECC .19997 INC 3.9286 V1 29.304
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.713 GAP 7.56 AZP 87.56 TAL 177.09 TAP 48.71 RCA 101.39 APO 152.08 V2 35.255
 RC 137.871 GL -31.60 GP 7.02 ZAL 86.21 ZAP 155.68 ETS 15.90 ZAE 130.40 ETE 174.23 ZAC 98.39 ETC 15.66 CLP-156.65

PLANETOCENTRIC CONIC

C3 11.946 VHL 3.456 OLA -30.43 RAL 170.05 RAD 6567.5 VEL 11.547 PTH 2.02 VHP 5.399 DPA 15.55 RAP 170.20 ECC 1.1966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.37 9 8 58 1078.03 23.85 339.59 31.21 109.48 9 26 56 478.0 26.28 331.60
 101.63 12 16 17 5762.86 23.86 273.06 31.21 109.46 13 52 20 5162.9 26.30 265.07
 78.37 9 8 58 1078.03 23.85 339.59 31.21 109.48 9 26 56 478.0 26.28 331.60
 101.63 12 16 17 5762.86 23.86 273.06 31.21 109.46 13 52 20 5162.9 26.30 265.07
 110.00 11 12 0 677.23 14.95 305.97 26.76 121.10 11 23 17 77.2 18.96 299.15
 110.00 15 12 26 5211.66 33.42 233.83 33.83 97.62 16 39 17 4611.7 34.12 224.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0189 TRA .1129 TC3-5.8077 BAU .9278 SGT 5231.2 SGR 352.4 SG3 384.4 ST 3349.6 SR 336.0 SS 1422.0
 RDE .2025 RRA .0267 RC3 -.1365 FAU .05914 RRT -.3978 RRF -.4228 RTF .9581 CRT -.9969 CRS .9828 CST -.9932
 FDE-1.8212 FRA .7168 FC3-4.2857 BSP 16380 SGB 5243.0 R23 .0439 R13 -.9582 LSA 3651.2 MSA 155.0 SSA 15.8
 BDE 2.0290 BRA .1160 BC3 5.8093 FSP -1240 SG1 5233.1 SG2 323.2 THA 178.46 EL1 3366.4 EL2 26.4 ALF 174.29

LAUNCH DATE JUN 22 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 497.443

RL 152.03 LAL .00 LOL 269.91 VL 26.395 GAL 1.06 AZL 93.86 HCA 234.87 SMA 126.50 ECC .20269 INC 3.8586 V1 29.304
 RP 107.50 LAP 3.16 LOP 144.73 VP 37.684 GAP 7.91 AZP 87.78 TAL 175.81 TAP 50.69 RCA 100.86 APO 152.14 V2 35.253
 RC 140.023 GL -30.65 GP 6.51 ZAL 83.71 ZAP 157.16 ETS 15.71 ZAE 130.01 ETE 174.80 ZAC 96.76 ETC 15.21 CLP-158.06

PLANETOCENTRIC CONIC

C3 12.138 VHL 3.484 DLA -30.71 RAL 173.09 RAD 6567.5 VEL 11.555 PTH 2.02 VHP 5.568 DPA 14.36 RAP 171.73 ECC 1.1998
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.58 9 15 19 1099.76 23.99 341.27 34.57 109.78 9 33 39 499.8 26.46 333.28
 102.42 12 34 13 5747.88 24.00 272.00 34.58 109.77 14 10 1 5147.9 26.47 264.00
 77.58 9 15 19 1099.76 23.99 341.27 34.57 109.78 9 33 39 499.8 26.46 333.28
 102.42 12 34 13 5747.88 24.00 272.00 34.58 109.77 14 10 1 5147.9 26.47 264.00
 110.00 11 28 44 665.45 15.37 305.31 30.24 120.92 11 39 50 65.4 19.35 298.46
 110.00 15 19 59 5230.19 33.25 235.25 37.22 98.44 16 47 9 4630.2 34.06 226.10

DIFFERENTIAL CORRECTIONS

TDE-2.0728 TRA .2553 TC3-5.8245 BAU .9455
 RDE .2068 RRA .0310 RC3 -.1535 FAU .05517
 FDE-1.7328 FRA .7872 FC3-3.9350 BSP 16710
 BOE 2.0831 BRA .2572 BC3 5.8265 FSP -1184

MID-COURSE EXECUTION ACCURACY

SGT 5322.6 SGR 361.5 SG3 365.6
 RRT -.3621 RRF -.3837 RTF .9580
 SGB 5334.9 R23 .0380 R13 -.9581
 SG1 5324.2 SG2 336.8 THA 178.59

ORBIT DETERMINATION ACCURACY

ST 3414.1 SR 340.6 SS 1388.5
 CRT -.9945 CRS .9774 CST -.9935
 LSA 3698.2 MSA 151.5 SSA 16.7
 EL1 3430.9 EL2 35.6 ALF 174.33

LAUNCH DATE JUN 22 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 503.344

RL 152.03 LAL .00 LOL 269.91 VL 26.357 GAL 1.41 AZL 93.79 HCA 238.12 SMA 126.25 ECC .20559 INC 3.7938 V1 29.304
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.654 GAP 8.27 AZP 87.99 TAL 174.52 TAP 52.64 RCA 100.30 APO 152.21 V2 35.249
 RC 142.165 GL -29.67 GP 6.07 ZAL 81.14 ZAP 158.57 ETS 15.59 ZAE 129.65 ETE 175.29 ZAC 95.05 ETC 14.79 CLP-159.41

PLANETOCENTRIC CONIC

C3 12.409 VHL 3.523 DLA -30.99 RAL 176.20 RAD 6567.5 VEL 11.567 PTH 2.02 VHP 5.742 DPA 13.20 RAP 173.32 ECC 1.2042
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.86 9 22 34 1120.70 24.08 342.88 38.09 110.11 9 41 15 520.7 26.60 334.90
 103.14 12 51 46 5736.28 24.09 271.16 38.09 110.10 14 27 22 5136.3 26.61 263.17
 76.86 9 22 34 1120.70 24.08 342.88 38.09 110.11 9 41 15 520.7 26.60 334.90
 103.14 12 51 46 5736.28 24.09 271.16 38.09 110.10 14 27 22 5136.3 26.61 263.17
 110.00 11 45 40 655.23 15.72 304.73 33.87 120.75 11 56 36 55.2 19.68 297.85
 110.00 15 27 51 5249.75 33.04 236.74 40.76 99.30 16 55 20 4649.8 33.97 227.62

DIFFERENTIAL CORRECTIONS

TDE-2.1248 TRA .4081 TC3-5.7973 BAU .9621
 RDE .2130 RRA .0349 RC3 -.1642 FAU .05143
 FDE-1.6478 FRA .8528 FC3-3.5884 BSP 16991
 BOE 2.1355 BRA .4096 BC3 5.7997 FSP -1128

MID-COURSE EXECUTION ACCURACY

SGT 5406.1 SGR 371.2 SG3 347.7
 RRT -.3357 RRF -.3541 RTF .9580
 SGB 5418.8 R23 .0331 R13 -.9581
 SG1 5407.5 SG2 349.6 THA 178.67

ORBIT DETERMINATION ACCURACY

ST 3466.0 SR 347.1 SS 1351.8
 CRT -.9913 CRS .9715 CST -.9937
 LSA 3733.5 MSA 148.8 SSA 17.4
 EL1 3483.1 EL2 45.6 ALF 174.33

LAUNCH DATE JUN 22 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 509.220

RL 152.03 LAL .00 LOL 269.91 VL 26.319 GAL 1.78 AZL 93.73 HCA 241.36 SMA 126.01 ECC .20871 INC 3.7335 V1 29.304
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.623 GAP 8.63 AZP 88.21 TAL 173.22 TAP 54.59 RCA 99.71 APO 152.31 V2 35.245
 RC 144.295 GL -28.65 GP 5.68 ZAL 78.54 ZAP 159.91 ETS 15.54 ZAE 129.32 ETE 175.70 ZAC 93.28 ETC 14.41 CLP-160.70

PLANETOCENTRIC CONIC

C3 12.763 VHL 3.572 DLA -31.23 RAL 179.36 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 5.923 DPA 12.06 RAP 174.98 ECC 1.2100
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.25 9 30 49 1140.45 24.12 344.39 41.74 110.46 9 49 49 540.5 26.68 336.41
 103.75 13 8 43 5728.55 24.13 270.60 41.74 110.45 14 44 12 5128.5 26.69 262.62
 76.25 9 30 49 1140.45 24.12 344.39 41.74 110.46 9 49 49 540.5 26.68 336.41
 103.75 13 8 43 5728.55 24.13 270.60 41.74 110.45 14 44 12 5128.5 26.69 262.62
 110.00 12 2 32 647.32 16.00 304.29 37.61 120.62 12 13 19 47.3 19.94 297.38
 110.00 15 36 10 5269.68 32.81 238.25 44.44 100.17 17 4 0 4669.7 33.87 229.17

DIFFERENTIAL CORRECTIONS

TDE-2.1746 TRA .5739 TC3-5.7237 BAU .9770
 RDE .2209 RRA .0382 RC3 -.1697 FAU .04783
 FDE-1.5661 FRA .9172 FC3-3.2442 BSP 17219
 BOE 2.1857 BRA .5752 BC3 5.7262 FSP -1072

MID-COURSE EXECUTION ACCURACY

SGT 5481.5 SGR 381.3 SG3 330.6
 RRT -.3170 RRF -.3327 RTF .9579
 SGB 5494.7 R23 .0293 R13 -.9579
 SG1 5482.8 SG2 361.5 THA 178.73

ORBIT DETERMINATION ACCURACY

ST 3504.6 SR 355.0 SS 1312.7
 CRT -.9873 CRS .9649 CST -.9939
 LSA 3756.2 MSA 147.5 SSA 18.0
 EL1 3522.1 EL2 56.1 ALF 174.29

LAUNCH DATE JUN 22 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 515.069

RL 152.03 LAL .00 LOL 269.91 VL 26.281 GAL 2.16 AZL 93.68 HCA 244.61 SMA 125.77 ECC .21205 INC 3.6769 V1 29.304
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.591 GAP 9.00 AZP 88.42 TAL 171.90 TAP 56.51 RCA 99.10 APO 152.44 V2 35.240
 RC 146.414 GL -27.61 GP 5.34 ZAL 75.90 ZAP 161.20 ETS 15.57 ZAE 129.02 ETE 176.06 ZAC 91.44 ETC 14.06 CLP-161.95

PLANETOCENTRIC CONIC

C3 13.207 VHL 3.634 DLA -31.44 RAL 182.55 RAD 6567.5 VEL 11.601 PTH 2.03 VHP 6.110 DPA 10.94 RAP 176.69 ECC 1.2174
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.74 9 40 0 1158.92 24.10 345.77 45.51 110.83 9 59 19 558.9 26.71 337.82
 104.26 13 24 59 5724.83 24.11 270.30 45.51 110.82 15 0 23 5124.8 26.72 262.35
 75.74 9 40 0 1158.92 24.10 345.77 45.51 110.83 9 59 19 558.9 26.71 337.82
 104.26 13 24 59 5724.83 24.11 270.30 45.51 110.82 15 0 23 5124.8 26.72 262.35
 110.00 12 19 2 642.46 16.17 304.01 41.45 120.54 12 29 44 42.5 20.10 297.09
 110.00 15 45 8 5289.29 32.57 239.73 48.25 101.01 17 13 17 4689.3 33.74 230.69

DIFFERENTIAL CORRECTIONS

TDE-2.2247 TRA .7474 TC3-5.6156 BAU .9920
 RDE .2305 RRA .0411 RC3 -.1702 FAU .04452
 FDE-1.4905 FRA .9745 FC3-2.9181 BSP 17490
 BOE 2.2366 BRA .7485 BC3 5.6182 FSP -1025

MID-COURSE EXECUTION ACCURACY

SGT 5555.9 SGR 391.3 SG3 314.7
 RRT -.3058 RRF -.3192 RTF .9581
 SGB 5569.7 R23 .0262 R13 -.9581
 SG1 5557.2 SG2 372.5 THA 178.76

ORBIT DETERMINATION ACCURACY

ST 3533.9 SR 364.2 SS 1273.3
 CRT -.9828 CRS .9580 CST -.9941
 LSA 3771.0 MSA 147.0 SSA 18.4
 EL1 3552.0 EL2 66.9 ALF 174.21

LAUNCH DATE JUN 22 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 520.890

RL 152.03 LAL .00 LOL 269.91 VL 26.242 GAL 2.57 AZL 93.62 MCA 247.85 SMA 125.53 ECC .21562 INC 3.6232 V1 29.304
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.559 GAP 9.37 AZP 88.63 TAL 170.57 TAP 58.43 RCA 98.46 APO 152.60 V2 35.234
 RC 148.521 GL -26.54 GP 5.04 ZAL 73.26 ZAP 162.44 ETS 15.69 ZAE 128.74 ETE 176.36 ZAC 89.55 ETC 13.75 CLP-163.16

PLANETOCENTRIC CONIC

C3 13.751 VHL 3.708 DLA -31.60 RAL 185.75 RAD 6567.5 VEL 11.625 PTH 2.04 VHP 6.304 DPA 9.83 RAP 178.45 ECC 1.2263
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.35 9 50 7 1176.12 24.00 347.03 49.37 111.20 10 9 43 576.1 26.66 339.10
 104.65 13 40 27 5725.18 24.01 270.29 49.38 111.19 15 15 52 5125.2 26.67 262.36
 75.35 9 50 7 1176.12 24.00 347.03 49.37 111.20 10 9 43 576.1 26.66 339.10
 104.65 13 40 27 5725.18 24.01 270.29 49.38 111.19 15 15 52 5125.2 26.67 262.36
 110.00 12 34 53 641.33 16.20 303.94 45.35 120.52 12 45 34 41.3 20.13 297.03
 110.00 15 54 51 5307.98 32.32 241.13 52.16 101.80 17 23 19 4708.0 33.60 232.13

DIFFERENTIAL CORRECTIONS

TOE-2.2731 TRA .9315 TC3-5.4711 BAU 1.0063
 RDE .2417 RRA .0432 RC3 -.1667 FAU .04141
 FDE-1.4190 FRA 1.0284 FC3-2.6069 BSP 17756
 BDE 2.2859 BRA .9325 BC3 5.4737 FSP -981

MID-COURSE EXECUTION ACCURACY

SGT 5626.3 SGR 401.0 SG3 299.6
 RRT -.3003 RRF -.3118 RTF .9583
 SGB 5640.6 R23 .0238 R13 -.9584
 SG1 5627.6 SG2 382.4 THA 178.77

ORBIT DETERMINATION ACCURACY

ST 3550.7 SR 374.2 SS 1232.9
 CRT -.9779 CRS .9509 CST -.9943
 LSA 3774.3 MSA 147.7 SSA 18.7
 EL1 3569.5 EL2 77.9 ALF 174.11

LAUNCH DATE JUN 22 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 526.680

RL 152.03 LAL .00 LOL 269.91 VL 26.203 GAL 2.99 AZL 93.57 MCA 251.10 SMA 125.29 ECC .21945 INC 3.5720 V1 29.304
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.526 GAP 9.76 AZP 88.84 TAL 169.24 TAP 60.33 RCA 97.79 APO 152.78 V2 35.228
 RC 150.615 GL -25.44 GP 4.77 ZAL 70.61 ZAP 163.64 ETS 15.90 ZAE 128.49 ETE 176.62 ZAC 87.61 ETC 13.47 CLP-164.33

PLANETOCENTRIC CONIC

C3 14.404 VHL 3.795 DLA -31.71 RAL 188.96 RAD 6567.6 VEL 11.653 PTH 2.05 VHP 6.506 DPA 8.74 RAP 180.24 ECC 1.2370
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.09 10 1 4 1192.03 23.83 348.17 53.32 111.57 10 20 57 592.0 26.54 340.27
 104.91 13 55 3 5729.69 23.84 270.56 53.32 111.56 15 30 32 5129.7 26.55 262.66
 75.09 10 1 4 1192.03 23.83 348.17 53.32 111.57 10 20 57 592.0 26.54 340.27
 104.91 13 55 3 5729.69 23.84 270.56 53.32 111.56 15 30 32 5129.7 26.55 262.66
 110.00 12 49 50 644.53 16.09 304.13 49.30 120.57 13 0 35 44.5 20.03 297.22
 110.00 16 5 28 5325.20 32.07 242.41 56.18 102.52 17 34 13 4725.2 33.46 233.45

DIFFERENTIAL CORRECTIONS

TOE-2.3186 TRA 1.1274 TC3-5.2898 BAU 1.0191
 RDE .2543 RRA .0444 RC3 -.1598 FAU .03844
 FDE-1.3507 FRA 1.0798 FC3-2.3104 BSP 17991
 BDE 2.3325 BRA 1.1283 BC3 5.2922 FSP -938

MID-COURSE EXECUTION ACCURACY

SGT 5690.1 SGR 410.2 SG3 285.3
 RRT -.2994 RRF -.3093 RTF .9586
 SGB 5704.9 R23 .0219 R13 -.9587
 SG1 5691.4 SG2 391.3 THA 178.76

ORBIT DETERMINATION ACCURACY

ST 3553.5 SR 384.6 SS 1191.3
 CRT -.9724 CRS .9434 CST -.9945
 LSA 3764.5 MSA 149.7 SSA 18.7
 EL1 3573.1 EL2 89.2 ALF 173.99

LAUNCH DATE JUN 22 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 532.438

RL 152.03 LAL .00 LOL 269.91 VL 26.165 GAL 3.43 AZL 93.52 MCA 254.34 SMA 125.05 ECC .22356 INC 3.5227 V1 29.304
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.493 GAP 10.16 AZP 89.05 TAL 167.89 TAP 62.23 RCA 97.09 APO 153.01 V2 35.221
 RC 152.696 GL -24.33 GP 4.53 ZAL 67.99 ZAP 164.79 ETS 16.20 ZAE 128.25 ETE 176.85 ZAC 85.64 ETC 13.22 CLP-165.46

PLANETOCENTRIC CONIC

C3 15.177 VHL 3.896 DLA -31.77 RAL 192.14 RAD 6567.6 VEL 11.686 PTH 2.06 VHP 6.717 DPA 7.65 RAP 182.08 ECC 1.2498
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.95 10 12 51 1206.62 23.57 349.16 57.33 111.94 10 32 57 606.6 26.34 341.30
 105.05 14 8 41 5738.44 23.59 271.11 57.33 111.93 15 44 19 5138.4 26.35 263.25
 74.95 10 12 51 1206.62 23.57 349.16 57.33 111.94 10 32 57 606.6 26.34 341.30
 105.05 14 8 41 5738.44 23.59 271.11 57.33 111.93 15 44 19 5138.4 26.35 263.25
 110.00 13 3 41 652.50 15.82 304.58 53.26 120.71 13 14 33 52.5 19.77 297.69
 110.00 16 17 1 5340.56 31.84 243.55 60.28 103.16 17 46 1 4740.6 33.32 234.63

DIFFERENTIAL CORRECTIONS

TOE-2.3573 TRA 1.3386 TC3-5.0691 BAU 1.0290
 RDE .2681 RRA .0445 RC3 -.1507 FAU .03549
 FDE-1.2821 FRA 1.1314 FC3-2.0242 BSP 18134
 BDE 2.3725 BRA 1.3393 BC3 5.0713 FSP -892

MID-COURSE EXECUTION ACCURACY

SGT 5742.9 SGR 418.5 SG3 271.5
 RRT -.3014 RRF -.3097 RTF .9586
 SGB 5758.2 R23 .0203 R13 -.9586
 SG1 5744.3 SG2 398.9 THA 178.74

ORBIT DETERMINATION ACCURACY

ST 3537.8 SR 394.9 SS 1146.4
 CRT -.9665 CRS .9352 CST -.9945
 LSA 3736.6 MSA 153.4 SSA 18.6
 EL1 3558.4 EL2 100.8 ALF 173.84

LAUNCH DATE JUN 22 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 538.159

RL 152.03 LAL .00 LOL 269.91 VL 26.126 GAL 3.90 AZL 93.48 MCA 257.58 SMA 124.81 ECC .22797 INC 3.4750 V1 29.304
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.459 GAP 10.57 AZP 89.25 TAL 166.54 TAP 64.11 RCA 96.36 APO 153.27 V2 35.214
 RC 154.762 GL -23.20 GP 4.31 ZAL 65.40 ZAP 165.91 ETS 16.63 ZAE 128.04 ETE 177.04 ZAC 83.62 ETC 13.00 CLP-166.57

PLANETOCENTRIC CONIC

C3 16.086 VHL 4.011 DLA -31.77 RAL 195.29 RAD 6567.6 VEL 11.725 PTH 2.07 VHP 6.937 DPA 6.58 RAP 183.94 ECC 1.2647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.95 10 25 22 1219.83 23.24 350.02 61.38 112.30 10 45 42 619.8 26.06 342.19
 105.05 14 21 15 5751.52 23.25 271.96 61.38 112.29 15 57 6 5151.5 26.07 264.13
 74.95 10 25 22 1219.83 23.24 350.02 61.38 112.30 10 45 42 619.8 26.06 342.19
 105.05 14 21 15 5751.52 23.25 271.96 61.38 112.29 15 57 6 5151.5 26.07 264.13
 110.00 13 16 16 665.51 15.36 305.31 57.20 120.92 13 27 22 65.5 19.35 298.46
 110.00 16 29 31 5353.83 31.63 244.52 64.44 103.70 17 58 45 4753.8 33.19 235.64

DIFFERENTIAL CORRECTIONS

TOE-2.3968 TRA 1.5582 TC3-4.8327 BAU 1.0397
 RDE .2833 RRA .0437 RC3 -.1394 FAU .03283
 FDE-1.2202 FRA 1.1782 FC3-1.7669 BSP 18357
 BDE 2.4135 BRA 1.5588 BC3 4.8347 FSP -855

MID-COURSE EXECUTION ACCURACY

SGT 5797.1 SGR 426.2 SG3 258.7
 RRT -.3076 RRF -.3146 RTF .9589
 SGB 5812.8 R23 .0192 R13 -.9590
 SG1 5798.6 SG2 405.4 THA 178.70

ORBIT DETERMINATION ACCURACY

ST 3514.8 SR 405.3 SS 1104.0
 CRT -.9602 CRS .9272 CST -.9947
 LSA 3702.9 MSA 157.9 SSA 18.4
 EL1 3536.3 EL2 112.4 ALF 173.68

LAUNCH DATE JUN 22 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 543.840

RL 152.03 LAL .00 LOL 269.91 VL 26.087 GAL 4.39 AZL 93.43 HCA 260.82 SMA 124.58 ECC .23271 INC 3.4285 V1 29.304
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.424 GAP 10.99 AZP 89.45 TAL 165.18 TAP 66.00 RCA 95.59 APO 153.57 V2 35.205
 RC 156.813 GL -22.07 GP 4.12 ZAL 62.84 ZAP 166.99 ETS 17.18 ZAE 127.83 ETE 177.21 ZAC 81.58 ETC 12.81 CLP-167.65

PLANETOCENTRIC CONIC

C3 17.146 VHL 4.141 DLA -31.72 RAL 198.38 RAD 6567.7 VEL 11.770 PTH 2.08 VHP 7.167 DPA 5.51 RAP 185.83 ECC 1.2822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.08 10 38 33 1231.76 22.82 350.73 65.45 112.65 10 59 5 631.8 25.69 342.96
 104.92 14 32 43 5768.83 22.83 273.08 65.45 112.64 16 8 52 5168.8 25.70 265.30
 75.08 10 38 33 1231.76 22.82 350.73 65.45 112.65 10 59 5 631.8 25.69 342.96
 104.92 14 32 43 5768.83 22.83 273.08 65.45 112.64 16 8 52 5168.8 25.70 265.30
 110.00 13 27 31 683.58 14.73 306.33 61.11 121.20 13 38 55 83.6 18.75 299.53
 110.00 16 42 55 5365.01 31.44 245.34 68.67 104.15 18 12 20 4765.0 33.07 236.50

DIFFERENTIAL CORRECTIONS

TOE-2.4322 TRA 1.7914 TC3-4.5730 BAU 1.0487
 RDE .2996 RRA .0417 RC3 -.1268 FAU .03028
 FDE-1.1606 FRA 1.2239 FC3-1.5287 BSP 18545
 BDE 2.4506 BRA 1.7919 BC3 4.5748 FSP -819

MID-COURSE EXECUTION ACCURACY

SGT 5844.6 SGR 433.0 SG3 246.6
 RRT -.3162 RRF -.3220 RTF .9592
 SGB 5860.6 R23 .0182 R13 -.9593
 SG1 5846.2 SG2 410.7 THA 178.65

ORBIT DETERMINATION ACCURACY

ST 3478.9 SR 415.1 SS 1061.3
 CRT -.9536 CRS .9187 CST -.9948
 LSA 3657.1 MSA 163.5 SSA 18.0
 EL1 3501.4 EL2 124.2 ALF 173.50

LAUNCH DATE JUN 22 1967

FLIGHT TIME 192.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 549.478

RL 152.03 LAL .00 LOL 269.91 VL 26.049 GAL 4.91 AZL 93.38 HCA 264.05 SMA 124.34 ECC .23780 INC 3.3829 V1 29.304
 RP 107.67 LAP 3.36 LOP 173.96 VP 37.389 GAP 11.43 AZP 89.65 TAL 163.82 TAP 67.88 RCA 94.77 APO 153.91 V2 35.197
 RC 158.850 GL -20.93 GP 3.95 ZAL 60.35 ZAP 168.04 ETS 17.91 ZAE 127.64 ETE 177.35 ZAC 79.50 ETC 12.65 CLP-168.71

PLANETOCENTRIC CONIC

C3 18.376 VHL 4.287 DLA -31.61 RAL 201.40 RAD 6567.7 VEL 11.822 PTH 2.09 VHP 7.409 DPA 4.45 RAP 187.74 ECC 1.3024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.33 10 52 21 1242.38 22.32 351.31 69.53 112.98 11 13 3 642.4 25.24 343.59
 104.67 14 43 0 5790.43 22.33 274.49 69.54 112.97 16 19 31 5190.4 25.25 266.77
 75.33 10 52 21 1242.38 22.32 351.31 69.53 112.98 11 13 3 642.4 25.24 343.59
 104.67 14 43 0 5790.43 22.33 274.49 69.54 112.97 16 19 31 5190.4 25.25 266.77
 110.00 13 37 27 706.51 13.92 307.61 64.98 121.54 13 49 14 106.5 17.99 300.86
 110.00 16 57 5 5374.29 31.29 246.02 72.94 104.53 18 26 39 4774.3 32.96 237.20

DIFFERENTIAL CORRECTIONS

TOE-2.4643 TRA 2.0376 TC3-4.2983 BAU 1.0563
 RDE .3171 RRA .0384 RC3 -.1134 FAU .02787
 FDE-1.1041 FRA 1.2681 FC3-1.3128 BSP 18730
 BDE 2.4846 BRA 2.0380 BC3 4.2998 FSP -785

MID-COURSE EXECUTION ACCURACY

SGT 5886.8 SGR 438.9 SG3 235.1
 RRT -.3269 RRF -.3316 RTF .9596
 SGB 5903.2 R23 .0172 R13 -.9596
 SG1 5888.6 SG2 414.7 THA 178.60

ORBIT DETERMINATION ACCURACY

ST 3432.3 SR 424.2 SS 1019.3
 CRT -.9466 CRS .9098 CST -.9948
 LSA 3601.5 MSA 169.9 SSA 17.6
 EL1 3455.8 EL2 135.9 ALF 173.32

LAUNCH DATE JUN 22 1967

FLIGHT TIME 194.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 555.069

RL 152.03 LAL .00 LOL 269.91 VL 26.010 GAL 5.45 AZL 93.34 HCA 267.29 SMA 124.11 ECC .24329 INC 3.3378 V1 29.304
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.353 GAP 11.89 AZP 89.84 TAL 162.46 TAP 69.75 RCA 93.92 APO 154.30 V2 35.187
 RC 160.871 GL -19.80 GP 3.79 ZAL 57.91 ZAP 169.07 ETS 18.83 ZAE 127.47 ETE 177.47 ZAC 77.41 ETC 12.51 CLP-169.74

PLANETOCENTRIC CONIC

C3 19.798 VHL 4.450 DLA -31.45 RAL 204.33 RAD 6567.8 VEL 11.882 PTH 2.11 VHP 7.663 DPA 3.39 RAP 189.68 ECC 1.3258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.71 11 6 43 1251.62 21.74 351.75 73.60 113.30 11 27 35 651.6 24.71 344.07
 104.29 14 52 4 5816.35 21.76 276.19 73.61 113.28 16 29 0 5216.4 24.72 268.52
 75.71 11 6 43 1251.62 21.74 351.75 73.60 113.30 11 27 35 651.6 24.71 344.07
 104.29 14 52 4 5816.35 21.76 276.19 73.61 113.28 16 29 0 5216.4 24.72 268.52
 110.00 13 46 7 733.95 12.93 309.13 68.78 121.92 13 58 21 133.9 17.06 302.45
 110.00 17 11 50 5382.03 31.15 246.59 77.23 104.84 18 41 32 4782.0 32.87 237.79

DIFFERENTIAL CORRECTIONS

TOE-2.4897 TRA 2.3020 TC3-4.0050 BAU 1.0604
 RDE .3353 RRA .0336 RC3 -.1002 FAU .02545
 FDE-1.0485 FRA 1.3138 FC3-1.1129 BSP 18804
 BDE 2.5121 BRA 2.3023 BC3 4.0063 FSP -747

MID-COURSE EXECUTION ACCURACY

SGT 5920.6 SGR 443.8 SG3 224.2
 RRT -.3388 RRF -.3421 RTF .9598
 SGB 5937.2 R23 .0163 R13 -.9598
 SG1 5922.5 SG2 417.4 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 3372.8 SR 432.1 SS 977.0
 CRT -.9388 CRS .9000 CST -.9949
 LSA 3533.5 MSA 177.5 SSA 17.1
 EL1 3397.2 EL2 147.7 ALF 173.13

LAUNCH DATE JUN 22 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 560.605

RL 152.03 LAL .00 LOL 269.91 VL 25.972 GAL 6.03 AZL 93.29 HCA 270.52 SMA 123.88 ECC .24920 INC 3.2930 V1 29.304
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.318 GAP 12.37 AZP 90.03 TAL 161.11 TAP 71.63 RCA 93.01 APO 154.75 V2 35.178
 RC 162.878 GL -18.69 GP 3.65 ZAL 55.55 ZAP 170.07 ETS 20.00 ZAE 127.29 ETE 177.58 ZAC 75.30 ETC 12.41 CLP-170.76

PLANETOCENTRIC CONIC

C3 21.438 VHL 4.630 DLA -31.24 RAL 207.17 RAD 6567.9 VEL 11.951 PTH 2.13 VHP 7.932 DPA 2.35 RAP 191.63 ECC 1.3528
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.23 11 21 38 1259.42 21.09 352.03 77.66 113.59 11 42 37 659.4 24.10 344.42
 103.77 14 59 49 5846.65 21.11 278.17 77.67 113.58 16 37 15 5246.6 24.11 270.56
 76.23 11 21 38 1259.42 21.09 352.03 77.66 113.59 11 42 37 659.4 24.10 344.42
 103.77 14 59 49 5846.65 21.11 278.17 77.67 113.58 16 37 15 5246.6 24.11 270.56
 110.00 13 53 37 765.43 11.79 310.86 72.52 122.32 14 6 22 165.4 15.98 304.25
 110.00 17 27 0 5388.63 31.04 247.07 81.54 105.10 18 56 49 4788.6 32.80 238.28

DIFFERENTIAL CORRECTIONS

TOE-2.5161 TRA 2.5772 TC3-3.7137 BAU 1.0647
 RDE .3546 RRA .0275 RC3 -.0869 FAU .02327
 FDE -.9984 FRA 1.3564 FC3 -.9398 BSP 18966
 BDE 2.5409 BRA 2.5773 BC3 3.7147 FSP -717

MID-COURSE EXECUTION ACCURACY

SGT 5952.5 SGR 447.9 SG3 214.0
 RRT -.3529 RRF -.3550 RTF .9603
 SGB 5969.3 R23 .0154 R13 -.9604
 SG1 5954.6 SG2 418.9 THA 178.47

ORBIT DETERMINATION ACCURACY

ST 3310.1 SR 439.0 SS 938.1
 CRT -.9309 CRS .8904 CST -.9950
 LSA 3463.4 MSA 185.0 SSA 16.6
 EL1 3335.3 EL2 159.2 ALF 172.95

LAUNCH DATE JUN 22 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 566.081

RL 152.03 LAL .00 LOL 269.91 VL 25.934 GAL 6.63 AZL 93.25 HCA 273.75 SMA 123.65 ECC .25559 INC 3.2481 V1 29.304
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.281 GAP 12.87 AZP 90.21 TAL 159.76 TAP 73.51 RCA 92.05 APO 155.26 V2 35.167
 RC 164.869 GL -17.59 GP 3.52 ZAL 53.27 ZAP 171.05 ETS 21.50 ZAE 127.13 ETE 177.67 ZAC 73.17 ETC 12.34 CLP-171.77

PLANETOCENTRIC CONIC

C3 23.326 VHL 4.830 DLA -30.98 RAL 209.91 RAD 6567.9 VEL 12.029 PTH 2.15 VHP 8.216 DPA 1.31 RAP 193.61 ECC 1.3839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.87 11 37 6 1265.49 20.37 352.15 81.68 113.86 11 58 12 665.5 23.42 344.59
 103.13 15 6 10 5881.51 20.39 280.46 81.69 113.85 16 44 11 5281.5 23.44 272.91
 76.87 11 37 6 1265.49 20.37 352.15 81.68 113.86 11 58 12 665.5 23.42 344.59
 103.13 15 6 10 5881.51 20.39 280.46 81.69 113.85 16 44 11 5281.5 23.44 272.91
 110.00 14 0 4 800.45 10.51 312.76 76.19 122.72 14 13 25 200.5 14.75 306.22
 110.00 17 42 22 5394.55 30.93 247.49 85.85 105.33 19 12 17 4794.6 32.72 238.73

DIFFERENTIAL CORRECTIONS

TDE-2.5403 TRA 2.6684 TC3-3.4203 BAU 1.0669
 RDE .3746 RRA .0199 RC3 -.0742 FAU .02119
 FDE -.9516 FRA 1.3990 FC3 -.7863 BSP 19113
 BDE 2.5678 BRA 2.8685 BC3 3.4211 FSP -688

MID-COURSE EXECUTION ACCURACY

SGT 5979.2 SGR 451.0 SG3 204.4
 RRT -.3683 RRF -.3692 RTF .9609
 SGB 5996.2 R23 .0145 R13 -.9610
 SGI 5981.5 SG2 419.1 THA 178.40

ORBIT DETERMINATION ACCURACY

ST 3241.8 SR 444.5 SS 901.4
 CRT -.9225 CRS .8803 CST -.9950
 LSA 3388.5 MSA 192.9 SSA 96.0
 ELI 3267.7 EL2 170.3 ALF 172.77

LAUNCH DATE JUN 22 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 571.488

RL 152.03 LAL .00 LOL 269.91 VL 25.896 GAL 7.28 AZL 93.20 HCA 276.98 SMA 123.43 ECC .26249 INC 3.2030 V1 29.304
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.245 GAP 13.40 AZP 90.39 TAL 158.42 TAP 75.40 RCA 91.03 APO 155.83 V2 35.156
 RC 166.846 GL -16.51 GP 3.40 ZAL 51.07 ZAP 172.01 ETS 23.44 ZAE 126.96 ETE 177.75 ZAC 71.03 ETC 12.29 CLP-172.76

PLANETOCENTRIC CONIC

C3 25.499 VHL 5.050 DLA -30.69 RAL 212.53 RAD 6568.0 VEL 12.119 PTH 2.17 VHP 8.519 DPA .29 RAP 195.59 ECC 1.4197
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.65 11 53 11 1269.60 19.59 352.09 85.67 114.11 12 14 21 669.6 22.68 344.59
 102.35 15 11 0 633.10 19.60 305.16 85.68 114.09 15 21 33 33.1 22.69 297.66
 77.65 11 53 11 1269.60 19.59 352.09 85.67 114.11 12 14 21 669.6 22.68 344.59
 102.35 15 11 0 633.10 19.60 305.16 85.68 114.09 15 21 33 33.1 22.69 297.66
 110.00 14 5 36 838.51 9.10 314.81 79.78 123.09 14 19 34 238.5 13.40 308.34
 110.00 17 57 46 5400.22 30.83 247.90 90.14 105.56 19 27 46 4800.2 32.65 239.16

DIFFERENTIAL CORRECTIONS

TDE-2.5621 TRA 3.1767 TC3-3.1285 BAU 1.0667
 RDE .3953 RRA .0107 RC3 -.0623 FAU .01918
 FDE -.9077 FRA 1.4420 FC3 -.6513 BSP 19240
 BDE 2.5925 BRA 3.1767 BC3 3.1291 FSP -660

MID-COURSE EXECUTION ACCURACY

SGT 6000.1 SGR 453.1 SG3 195.4
 RRT -.3847 RRF -.3842 RTF .9616
 SGB 6017.2 R23 .0136 R13 -.9616
 SGI 6002.6 SG2 418.1 THA 178.33

ORBIT DETERMINATION ACCURACY

ST 3168.8 SR 448.5 SS 866.8
 CRT -.9135 CRS .8699 CST -.9951
 LSA 3309.6 MSA 200.8 SSA 15.5
 ELI 3195.3 EL2 181.0 ALF 172.61

LAUNCH DATE JUN 22 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 576.820

RL 152.03 LAL .00 LOL 269.91 VL 25.859 GAL 7.96 AZL 93.16 HCA 280.21 SMA 123.20 ECC .26998 INC 3.1572 V1 29.304
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.208 GAP 13.96 AZP 90.56 TAL 157.09 TAP 77.30 RCA 89.94 APO 156.47 V2 35.145
 RC 168.808 GL -15.46 GP 3.29 ZAL 48.96 ZAP 172.94 ETS 22.97 ZAE 126.80 ETE 177.81 ZAC 68.89 ETC 12.28 CLP-173.75

PLANETOCENTRIC CONIC

C3 27.999 VHL 5.291 DLA -30.36 RAL 215.04 RAD 6568.1 VEL 12.222 PTH 2.20 VHP 8.841 DPA -.73 RAP 197.59 ECC 1.4608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.58 12 10 0 1271.20 18.74 351.80 89.61 114.32 12 31 11 671.2 21.87 344.37
 101.42 15 14 12 677.91 18.76 308.11 89.61 114.31 15 25 29 77.9 21.88 300.68
 78.58 12 10 0 1271.20 18.74 351.80 89.61 114.32 12 31 11 671.2 21.87 344.37
 101.42 15 14 12 677.91 18.76 308.11 89.61 114.31 15 25 29 77.9 21.88 300.68
 110.00 14 10 19 879.14 7.59 316.97 83.30 123.43 14 24 58 279.1 11.93 310.57
 110.00 18 13 2 5406.01 30.72 248.32 94.41 105.78 19 43 8 4806.0 32.58 239.59

DIFFERENTIAL CORRECTIONS

TDE-2.5784 TRA 3.5074 TC3-2.8353 BAU 1.0615
 RDE .4163 RRA -.0003 RC3 -.0518 FAU .01716
 FDE -.8649 FRA 1.4875 FC3 -.5307 BSP 19244
 BDE 2.6118 BRA 3.5074 BC3 2.8358 FSP -629

MID-COURSE EXECUTION ACCURACY

SGT 6014.1 SGR 454.1 SG3 186.8
 RRT -.4013 RRF -.3994 RTF .9623
 SGB 6031.2 R23 .0124 R13 -.9623
 SGI 6016.8 SG2 415.8 THA 178.26

ORBIT DETERMINATION ACCURACY

ST 3089.7 SR 450.8 SS 833.6
 CRT -.9036 CRS .8583 CST -.9952
 LSA 3225.0 MSA 209.0 SSA 15.0
 ELI 3116.6 EL2 191.4 ALF 172.46

LAUNCH DATE JUN 22 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 582.062

RL 152.03 LAL .00 LOL 269.91 VL 25.822 GAL 8.69 AZL 93.11 HCA 283.44 SMA 122.98 ECC .27810 INC 3.1106 V1 29.304
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.172 GAP 14.56 AZP 90.72 TAL 155.78 TAP 79.22 RCA 88.78 APO 157.19 V2 35.134
 RC 170.755 GL -14.43 GP 3.19 ZAL 46.94 ZAP 173.84 ETS 29.35 ZAE 126.63 ETE 177.87 ZAC 66.74 ETC 12.30 CLP-174.74

PLANETOCENTRIC CONIC

C3 30.877 VHL 5.557 DLA -29.99 RAL 217.42 RAD 6568.2 VEL 12.339 PTH 2.22 VHP 9.186 DPA -1.73 RAP 199.59 ECC 1.5082
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.67 12 27 42 1269.58 17.85 351.26 93.49 114.51 12 48 52 669.6 21.01 343.88
 100.33 15 15 30 728.51 17.86 311.46 93.50 114.50 15 27 39 128.5 21.02 304.08
 79.67 12 27 42 1269.58 17.85 351.26 93.49 114.51 12 48 52 669.6 21.01 343.88
 100.33 15 15 30 728.51 17.86 311.46 93.50 114.50 15 27 39 128.5 21.02 304.08
 110.00 14 14 20 921.93 5.98 319.24 86.75 123.72 14 29 42 321.9 10.37 312.90
 110.00 18 28 3 5412.19 30.61 248.77 98.64 106.02 19 58 15 4812.2 32.50 240.06

DIFFERENTIAL CORRECTIONS

TDE-2.5989 TRA 3.8529 TC3-2.5574 BAU 1.0558
 RDE .4380 RRA -.0129 RC3 -.0421 FAU .01533
 FDE -.8279 FRA 1.5317 FC3 -.4299 BSP 19354
 BDE 2.6356 BRA 3.8529 BC3 2.5578 FSP -604

MID-COURSE EXECUTION ACCURACY

SGT 6025.0 SGR 454.3 SG3 178.8
 RRT -.4193 RRF -.4162 RTF .9633
 SGB 6042.1 R23 .0113 R13 -.9633
 SGI 6028.0 SG2 412.2 THA 178.18

ORBIT DETERMINATION ACCURACY

ST 3013.7 SR 451.7 SS 804.8
 CRT -.8937 CRS .8473 CST -.9953
 LSA 3144.3 MSA 216.3 SSA 14.5
 ELI 3040.7 EL2 200.8 ALF 172.34

LAUNCH DATE JUN 22 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 587.203

RL 152.03 LAL .00 LOL 269.91 VL 25.785 GAL 9.47 AZL 93.06 MCA 286.66 SMA 122.77 ECC .28694 INC 3.0627 V1 29.304
 RP 107.90 LAP 2.93 LOP 196.60 VP 37.135 GAP 15.19 AZP 90.88 TAL 154.49 TAP 81.15 RCA 87.54 APO 158.00 V2 35.122
 RC 172.686 GL -13.44 GP 3.10 ZAL 45.02 ZAP 174.71 ETS 33.97 ZAE 126.45 ETE 177.91 ZAC 64.59 ETC 12.35 CLP-175.72

PLANETOCENTRIC CONIC

C3 34.195 VHL -5.848 DLA -29.61 RAL 219.68 RAD 6568.3 VEL 12.473 PTH 2.26 VHP 9.556 DPA -2.71 RAP 201.60 ECC 1.5628
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.98 12 46 44 1263.29 16.91 350.34 97.32 114.67 13 7 47 663.3 20.10 343.02
 99.02 15 14 30 786.21 16.92 315.29 97.32 114.66 15 27 36 186.2 20.11 307.97
 100.00 14 47 11 873.61 13.76 320.20 95.74 116.80 15 1 44 273.6 17.25 313.14
 100.00 15 56 44 651.12 20.12 306.75 98.80 112.58 16 7 36 51.1 23.01 299.14
 110.00 14 17 42 966.53 4.28 321.59 90.13 123.95 14 33 49 366.5 8.71 315.30
 110.00 18 42 42 5419.00 30.48 249.25 102.83 106.28 20 13 1 4819.0 32.41 240.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6192 TRA 4.2198 TC3-2.2894 BAU 1.0467 SGT 6030.7 SGR 453.5 SG3 171.2 ST 2937.3 SR 450.8 SS 778.8
 RDE .4600 RRA -.0273 RC3 -.0337 FAU .01357 RRT -.4379 RRF -.4335 RTF .9645 CRT -.8834 CRS .8361 CST -.9955
 FDE -.7940 FRA 1.5775 FC3 -.3435 BSP 19444 SGB 6047.8 R23 .0103 R13 -.9645 LSA 3063.9 MSA 223.1 SSA 14.0
 BDE 2.6593 BRA 4.2199 BC3 2.2896 FSP -581 SG1 6034.0 SG2 407.5 THA 178.11 EL1 2964.3 EL2 209.3 ALF 172.24

LAUNCH DATE JUN 22 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 592.226

RL 152.03 LAL .00 LOL 269.91 VL 25.749 GAL 10.30 AZL 93.01 MCA 289.88 SMA 122.56 ECC .29658 INC 3.0132 V1 29.304
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.098 GAP 15.87 AZP 91.03 TAL 153.23 TAP 83.11 RCA 86.21 APO 158.90 V2 35.110
 RC 174.603 GL -12.47 GP 3.02 ZAL 43.20 ZAP 175.53 ETS 40.49 ZAE 126.27 ETE 177.95 ZAC 62.45 ETC 12.44 CLP-176.71

PLANETOCENTRIC CONIC

C3 38.026 VHL 6.167 DLA -29.19 RAL 221.81 RAD 6568.5 VEL 12.625 PTH 2.29 VHP 9.954 DPA -3.68 RAP 203.61 ECC 1.6258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.58 13 7 49 1249.80 15.93 348.87 101.08 114.79 13 28 39 649.8 19.14 341.60
 97.42 15 10 27 853.36 15.95 319.79 101.08 114.78 15 24 40 253.4 19.16 312.52
 100.00 14 36 16 963.07 10.96 325.36 98.54 117.99 14 52 19 363.1 14.62 318.48
 100.00 16 24 41 615.32 21.04 304.48 103.39 111.73 16 34 57 15.3 23.81 296.78
 110.00 14 20 31 1012.61 2.53 324.00 93.44 124.10 14 37 24 412.6 6.99 317.75
 110.00 18 56 55 5426.58 30.33 249.80 106.97 106.57 20 27 21 4826.6 32.30 241.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6402 TRA 4.6100 TC3-2.0328 BAU 1.0335 SGT 6031.4 SGR 451.6 SG3 164.1 ST 2861.8 SR 448.3 SS 755.7
 RDE .4822 RRA -.0436 RC3 -.0266 FAU .01185 RRT -.4568 RRF -.4512 RTF .9658 CRT -.8727 CRS .8248 CST -.9957
 FDE -.7631 FRA 1.6253 FC3 -.2698 BSP 19520 SGB 6048.3 R23 .0091 R13 -.9658 LSA 2984.9 MSA 229.1 SSA 13.5
 BDE 2.6839 BRA 4.6102 BC3 2.0330 FSP -558 SG1 6035.0 SG2 401.5 THA 178.03 EL1 2888.6 EL2 216.9 ALF 172.17

LAUNCH DATE JUN 22 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 18 1968

HELIOCENTRIC CONIC

DISTANCE 597.111

RL 152.03 LAL .00 LOL 269.91 VL 25.713 GAL 11.19 AZL 92.96 MCA 293.10 SMA 122.35 ECC .30711 INC 2.9617 V1 29.304
 RP 107.97 LAP 2.72 LOP 203.04 VP 37.061 GAP 16.60 AZP 91.16 TAL 152.00 TAP 85.10 RCA 84.77 APO 159.92 V2 35.097
 RC 176.504 GL -11.54 GP 2.95 ZAL 41.47 ZAP 176.26 ETS 49.92 ZAE 126.07 ETE 177.99 ZAC 60.32 ETC 12.56 CLP-177.70

PLANETOCENTRIC CONIC

C3 42.462 VHL 6.516 DLA -28.76 RAL 223.82 RAD 6568.6 VEL 12.800 PTH 2.33 VHP 10.386 DPA -4.63 RAP 205.63 ECC 1.6988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.72 13 33 7 1221.95 14.92 346.33 104.77 114.88 13 53 29 621.9 18.15 339.12
 95.28 15 1 10 936.92 14.93 325.46 104.77 114.87 15 16 47 336.9 18.16 318.24
 100.00 14 29 36 1038.59 8.51 329.63 101.46 118.76 14 46 55 438.6 12.29 322.88
 100.00 16 47 22 5883.55 21.54 281.13 107.73 111.25 18 25 25 5283.5 24.23 273.37
 110.00 14 22 49 1059.91 .72 326.47 96.68 124.18 14 40 29 459.9 5.20 320.25
 110.00 19 10 38 5435.00 30.17 250.40 111.04 106.89 20 41 13 4835.0 32.18 241.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6621 TRA 5.0261 TC3-1.7883 BAU 1.0152 SGT 6027.1 SGR 448.8 SG3 157.3 ST 2787.7 SR 444.1 SS 735.8
 RDE .5046 RRA -.0617 RC3 -.0207 FAU .01017 RRT -.4761 RRF -.4694 RTF .9673 CRT -.8616 CRS .8135 CST -.9959
 FDE -.7353 FRA 1.6757 FC3 -.2074 BSP 19565 SGB 6043.8 R23 .0078 R13 -.9673 LSA 2907.7 MSA 234.2 SSA 13.0
 BDE 2.7095 BRA 5.0264 BC3 1.7884 FSP -535 SG1 6030.9 SG2 394.4 THA 177.96 EL1 2814.0 EL2 223.3 ALF 172.14

LAUNCH DATE JUN 22 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 20 1968

HELIOCENTRIC CONIC

DISTANCE 601.836

RL 152.03 LAL .00 LOL 269.91 VL 25.677 GAL 12.15 AZL 92.91 MCA 296.32 SMA 122.14 ECC .31865 INC 2.9076 V1 29.304
 RP 108.01 LAP 2.61 LOP 206.26 VP 37.025 GAP 17.39 AZP 91.29 TAL 150.81 TAP 87.12 RCA 83.22 APO 161.06 V2 35.084
 RC 178.389 GL -10.63 GP 2.88 ZAL 39.85 ZAP 176.84 ETS 63.63 ZAE 125.85 ETE 178.02 ZAC 58.21 ETC 12.73 CLP-178.71

PLANETOCENTRIC CONIC

C3 47.613 VHL 6.900 DLA -28.32 RAL 225.70 RAD 6568.8 VEL 12.999 PTH 2.37 VHP 10.854 DPA -5.56 RAP 207.64 ECC 1.7836
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 89.78 14 22 44 1114.36 13.88 337.96 108.38 114.93 14 41 19 514.4 17.13 330.78
 90.22 14 26 32 1102.06 13.90 337.06 108.39 114.92 14 44 54 502.1 17.14 329.89
 100.00 14 24 39 1108.15 6.21 333.52 104.40 119.30 14 43 8 508.1 10.07 326.85
 100.00 17 7 18 5871.55 21.83 280.36 111.91 110.94 18 45 10 5271.5 24.48 272.56
 110.00 14 24 39 1108.18 -1.12 328.98 99.86 124.17 14 43 7 508.2 3.37 322.78
 110.00 19 23 48 5444.28 29.98 251.06 115.04 107.24 20 54 32 4844.3 32.05 242.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6837 TRA 5.4730 TC3-1.5549 BAU .9898 SGT 6018.2 SGR 444.9 SG3 151.0 ST 2714.4 SR 438.2 SS 718.4
 RDE .5269 RRA -.0820 RC3 -.0161 FAU .00848 RRT -.4954 RRF -.4877 RTF .9690 CRT -.8500 CRS .8018 CST -.9962
 FDE -.7095 FRA 1.7303 FC3 -.1541 BSP 19525 SGB 6034.6 R23 .0065 R13 -.9690 LSA 2831.8 MSA 238.4 SSA 12.6
 BDE 2.7349 BRA 5.4736 BC3 1.5550 FSP -511 SG1 6022.3 SG2 386.2 THA 177.89 EL1 2740.1 EL2 228.7 ALF 172.13

LAUNCH DATE JUN 22 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 22 1968

HELIOCENTRIC CONIC

DISTANCE 606.368

RL 152.03 LAL .00 LOL 269.91 VL 25.643 GAL 13.19 AZL 92.85 MCA 299.53 SMA 121.94 ECC .33133 INC 2.8506 V1 29.304
 RP 108.05 LAP 2.48 LOP 209.47 VP 36.988 GAP 18.25 AZP 91.41 TAL 149.67 TAP 89.20 RCA 81.54 APO 162.35 V2 35.071
 RC 180.257 GL -9.76 GP 2.82 ZAL 38.34 ZAP 177.17 ETS 82.29 ZAE 125.60 ETE 178.04 ZAC 56.11 ETC 12.93 CLP -179.74

PLANETOCENTRIC CONIC

C3 53.615 VHL 7.322 DLA -27.86 RAL 227.45 RAD 6568.9 VEL 13.228 PTH 2.42 VHP 11.365 DPA -6.47 RAP 209.64 ECC 1.8824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 46 51 1283.33 8.65 347.70 109.83 117.07 14 8 14 683.3 12.21 340.83
 90.00 15 16 24 992.21 17.10 330.50 113.87 112.92 15 32 56 392.2 20.06 323.08
 100.00 14 20 35 1174.29 4.00 337.18 107.31 119.65 14 40 9 574.3 7.92 330.58
 100.00 17 25 21 5864.53 22.00 279.90 115.95 110.76 19 3 6 5264.5 24.63 272.09
 110.00 14 26 1 1157.20 -3.00 331.54 102.97 124.07 14 45 18 557.2 1.49 325.34
 110.00 19 36 24 5454.38 29.78 251.77 118.96 107.62 21 7 19 4854.4 31.89 243.20

DIFFERENTIAL CORRECTIONS

TDE-2.7123 TRA 5.9472 TC3-1.3387 BAU .9596
 RDE .5494 RRA -.1041 RC3 -.0125 FAU .00687
 FDE -.6886 FRA 1.7871 FC3 -.1109 BSP 19571
 BDE 2.7674 BRA 5.9481 BC3 1.3388 FSP -492

MID-COURSE EXECUTION ACCURACY

SGT 6004.4 SGR 440.1 SG3 145.0
 RRT -.5152 RRF -.5068 RTF .9709
 SGB 6020.5 R23 .0053 R13 -.9709
 SG1 6008.7 SG2 376.9 THA 177.83

ORBIT DETERMINATION ACCURACY

ST 2646.0 SR 430.8 SS 705.0
 CRT -.8387 CRS .7913 CST -.9965
 LSA 2761.4 MSA 241.1 SSA 12.1
 EL1 2670.7 EL2 232.4 ALF 172.16

LAUNCH DATE JUN 22 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 24 1968

HELIOCENTRIC CONIC

DISTANCE 610.672

RL 152.03 LAL .00 LOL 269.91 VL 25.609 GAL 14.32 AZL 92.79 MCA 302.74 SMA 121.75 ECC .34531 INC 2.7899 V1 29.304
 RP 108.09 LAP 2.35 LOP 212.69 VP 36.952 GAP 19.19 AZP 91.51 TAL 148.58 TAP 91.33 RCA 79.71 APO 163.79 V2 35.058
 RC 182.108 GL -8.92 GP 2.76 ZAL 36.93 ZAP 177.13 ETS 103.41 ZAE 125.33 ETE 178.06 ZAC 54.04 ETC 13.17 CLP 179.22

PLANETOCENTRIC CONIC

C3 60.640 VHL 7.787 DLA -27.39 RAL 229.07 RAD 6569.1 VEL 13.491 PTH 2.47 VHP 11.925 DPA -7.35 RAP 211.63 ECC 1.9980
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 34 22 1375.74 5.75 352.94 112.33 117.77 13 57 18 775.7 9.42 346.19
 90.00 15 41 49 960.20 17.93 328.53 118.13 112.29 15 57 49 360.2 20.80 321.03
 100.00 14 16 57 1238.16 1.84 340.69 110.18 119.84 14 37 35 638.2 5.80 334.14
 100.00 17 41 55 5861.06 22.08 279.68 119.87 110.67 19 19 36 5261.1 24.70 271.86
 110.00 14 26 56 1206.78 -4.88 334.14 106.00 123.87 14 47 3 606.8 -.40 327.92
 110.00 19 48 25 5465.21 29.55 252.53 122.78 108.02 21 19 30 4865.2 31.73 244.00

DIFFERENTIAL CORRECTIONS

TDE-2.7466 TRA 6.4559 TC3-1.1382 BAU .9228
 RDE .5719 RRA -.1282 RC3 -.0098 FAU .00527
 FDE -.6709 FRA 1.8483 FC3 -.0752 BSP 19583
 BDE 2.8055 BRA 6.4572 BC3 1.1383 FSP -473

MID-COURSE EXECUTION ACCURACY

SGT 5987.0 SGR 434.2 SG3 139.4
 RRT -.5352 RRF -.5261 RTF .9730
 SGB 6002.7 R23 .0040 R13 -.9730
 SG1 5991.5 SG2 366.5 THA 177.77

ORBIT DETERMINATION ACCURACY

ST 2581.2 SR 422.0 SS 694.8
 CRT -.8276 CRS .7813 CST -.9968
 LSA 2695.3 MSA 242.4 SSA 11.6
 EL1 2604.9 EL2 234.7 ALF 172.23

LAUNCH DATE JUN 22 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 26 1968

HELIOCENTRIC CONIC

DISTANCE 614.701

RL 152.03 LAL .00 LOL 269.91 VL 25.575 GAL 15.54 AZL 92.72 MCA 305.95 SMA 121.56 ECC .36077 INC 2.7246 V1 29.304
 RP 108.13 LAP 2.21 LOP 215.90 VP 36.917 GAP 20.22 AZP 91.60 TAL 147.57 TAP 93.52 RCA 77.70 APO 165.41 V2 35.045
 RC 183.942 GL -8.11 GP 2.71 ZAL 35.63 ZAP 176.71 ETS 122.01 ZAE 125.02 ETE 178.08 ZAC 52.01 ETC 13.46 CLP 178.14

PLANETOCENTRIC CONIC

C3 68.901 VHL 8.301 DLA -26.90 RAL 230.56 RAD 6569.3 VEL 13.793 PTH 2.52 VHP 12.541 DPA -8.20 RAP 213.60 ECC 2.1339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 25 33 1455.30 3.21 357.41 114.92 118.15 13 49 48 855.3 6.95 350.72
 90.00 16 2 31 942.02 18.40 327.40 122.11 111.91 16 18 13 342.0 21.21 319.85
 100.00 14 13 31 1300.34 -.27 344.10 112.99 119.89 14 35 11 700.3 3.71 337.57
 100.00 17 57 14 5860.24 22.10 279.63 123.65 110.65 19 34 54 5260.2 24.72 271.80
 110.00 14 27 25 1256.72 -6.77 336.77 108.97 123.59 14 48 21 656.7 -2.31 330.53
 110.00 19 59 49 5476.63 29.31 253.33 126.48 108.44 21 31 6 4876.6 31.54 244.84

DIFFERENTIAL CORRECTIONS

TDE-2.7862 TRA 7.0026 TC3 -.9507 BAU .8758
 RDE .5942 RRA -.1544 RC3 -.0081 FAU .00363
 FDE -.6563 FRA 1.9152 FC3 -.0456 BSP 19589
 BDE 2.8489 BRA 7.0043 BC3 .9508 FSP -455

MID-COURSE EXECUTION ACCURACY

SGT 5963.9 SGR 427.4 SG3 134.1
 RRT -.5552 RRF -.5456 RTF .9752
 SGB 5979.2 R23 .0027 R13 -.9752
 SG1 5968.6 SG2 355.2 THA 177.71

ORBIT DETERMINATION ACCURACY

ST 2518.9 SR 411.7 SS 687.9
 CRT -.8168 CRS .7719 CST -.9971
 LSA 2632.3 MSA 242.3 SSA 11.1
 EL1 2541.5 EL2 235.4 ALF 172.33

LAUNCH DATE JUN 22 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 28 1968

HELIOCENTRIC CONIC

DISTANCE 618.397

RL 152.03 LAL .00 LOL 269.91 VL 25.543 GAL 16.89 AZL 92.65 MCA 309.16 SMA 121.38 ECC .37791 INC 2.6538 V1 29.304
 RP 108.18 LAP 2.06 LOP 219.10 VP 36.882 GAP 21.35 AZP 91.68 TAL 146.65 TAP 95.80 RCA 75.51 APO 167.24 V2 35.032
 RC 185.758 GL -7.33 GP 2.66 ZAL 34.46 ZAP 176.01 ETS 135.67 ZAE 124.67 ETE 178.10 ZAC 50.02 ETC 13.79 CLP 177.02

PLANETOCENTRIC CONIC

C3 78.668 VHL 8.870 DLA -26.41 RAL 231.92 RAD 6569.5 VEL 14.143 PTH 2.58 VHP 13.223 DPA -9.02 RAP 215.55 ECC 2.2947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 18 20 1528.40 .85 1.49 117.50 118.31 13 43 49 928.4 4.63 354.85
 90.00 16 20 31 930.87 18.68 326.70 125.88 111.67 16 36 2 330.9 21.46 319.13
 100.00 14 10 7 1361.17 -2.33 347.44 115.73 119.81 14 32 48 761.2 1.65 340.92
 100.00 18 11 25 5861.38 22.08 279.70 127.29 110.68 19 49 7 5261.4 24.69 271.88
 110.00 14 27 26 1306.84 -8.65 339.44 111.84 123.20 14 49 12 706.8 -4.22 333.15
 110.00 20 10 36 5488.47 29.05 254.16 130.06 108.86 21 42 5 4888.5 31.34 245.71

DIFFERENTIAL CORRECTIONS

TDE-2.8296 TRA 7.5975 TC3 -.7755 BAU .8156
 RDE .6162 RRA -.1828 RC3 -.0071 FAU .00189
 FDE -.6440 FRA 1.9897 FC3 -.0208 BSP 19473
 BDE 2.8959 BRA 7.5997 BC3 .7755 FSP -435

MID-COURSE EXECUTION ACCURACY

SGT 5938.1 SGR 419.5 SG3 129.1
 RRT -.5751 RRF -.5651 RTF .9775
 SGB 5952.9 R23 .0014 R13 -.9775
 SG1 5943.0 SG2 342.9 THA 177.67

ORBIT DETERMINATION ACCURACY

ST 2458.7 SR 400.0 SS 684.0
 CRT -.8059 CRS .7626 CST -.9974
 LSA 2572.0 MSA 241.0 SSA 10.7
 EL1 2480.0 EL2 234.8 ALF 172.46

LAUNCH DATE JUN 23 1967

FLIGHT TIME 70.00

ARRIVAL DATE SEP 1 1967

HELIOCENTRIC CONIC

DISTANCE 165.309

RL 152.04 LAL .00 LOL 270.87 VL 23.559 GAL -2.09 AZL 93.62 HCA 68.35 SMA 111.46 ECC .36573 INC 3.6232 V1 29.302
 RP 108.86 LAP -3.37 LOP 339.18 VP 35.322 GAP -21.41 AZP 91.34 TAL 183.64 TAP 251.99 RCA 70.69 APO 152.22 V2 34.812
 RC 42.900 GL -14.19 GP -2.32 ZAL 99.10 ZAP 8.90 ETS 164.94 ZAE 163.66 ETE 36.42 ZAC 97.94 ETC 13.96 CLP 8.60

PLANETOCENTRIC CONIC

C3 36.844 VHL 6.070 DLA -9.66 RAL 166.55 RAD 6568.4 VEL 12.578 PTH 2.28 VHP 12.939 DPA 5.82 RAP 169.19 ECC 1.6064
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 39 11 2061.38 -15.58 32.01 36.13 113.95 6 13 32 1461.4 -12.21 24.95
 90.00 15 10 20 5313.85 27.39 241.34 42.23 82.53 16 38 54 4713.9 26.07 232.92
 100.00 6 55 46 1814.29 -16.83 13.25 35.53 115.07 7 26 0 1214.3 -13.32 6.22
 100.00 16 36 26 5036.18 28.76 220.70 42.01 81.47 18 0 22 4436.2 27.28 212.21
 110.00 7 53 13 1634.42 -20.16 357.84 33.78 118.21 8 20 27 1034.4 -16.23 350.92
 110.00 17 55 29 4788.81 32.41 201.17 41.26 78.50 19 15 18 4188.8 30.49 192.48

DIFFERENTIAL CORRECTIONS

TDE .3730 TRA -.6816 TC3 .1602 BAU .0895
 RDE -.4091 RRA -.1654 RC3 .0858 FAU .02179
 FDE -.3078 FRA .2279 FC3 -.5120 BSP 2046
 BDE .5536 BRA .7013 BC3 .1817 FSP -140

MID-COURSE EXECUTION ACCURACY

SGT 766.6 SGR 430.1 SG3 62.2
 RRT -.0375 RRF .0416 RTF -.6623
 SGB 879.0 R23 -.0054 R13 .6625
 SG1 766.9 SG2 429.7 THA 178.24

ORBIT DETERMINATION ACCURACY

ST 402.9 SR 389.0 SS 333.6
 CRT -.8079 CRS -.9391 CST .9583
 LSA 628.2 MSA 173.5 SSA 16.4
 EL1 532.6 EL2 173.5 ALF 136.24

LAUNCH DATE JUN 23 1967

FLIGHT TIME 72.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 171.960

RL 152.04 LAL .00 LOL 270.87 VL 23.912 GAL -2.16 AZL 93.57 HCA 71.52 SMA 113.05 ECC .34677 INC 3.5701 V1 29.302
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.564 GAP -20.18 AZP 91.13 TAL 184.08 TAP 255.60 RCA 73.84 APO 152.25 V2 34.819
 RC 43.133 GL -15.02 GP -2.44 ZAL 100.04 ZAP 7.19 ETS 160.13 ZAE 161.62 ETE 31.51 ZAC 96.67 ETC 13.88 CLP 6.77

PLANETOCENTRIC CONIC

C3 32.961 VHL 5.741 DLA -10.03 RAL 165.30 RAD 6568.3 VEL 12.423 PTH 2.24 VHP 12.243 DPA 5.18 RAP 170.38 ECC 1.5425
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 37 9 2021.16 -14.45 29.59 33.04 114.62 6 10 51 1421.2 -11.01 22.60
 90.00 15 2 21 5297.83 27.25 240.19 39.01 81.97 16 30 39 4697.8 25.85 231.80
 100.00 6 53 32 1774.73 -15.68 10.88 32.44 115.78 7 23 7 1174.7 -12.08 3.93
 100.00 16 28 39 5019.50 28.58 219.49 38.78 80.85 17 52 19 4419.5 27.02 211.04
 110.00 7 50 31 1596.30 -18.91 355.58 30.68 119.02 8 17 8 996.3 -14.90 348.77
 110.00 17 48 10 4770.70 32.16 199.82 38.00 77.74 19 7 40 4170.7 30.14 191.19

DIFFERENTIAL CORRECTIONS

TDE .3754 TRA -.6545 TC3 .2087 BAU .1008
 RDE -.3892 RRA -.1548 RC3 .0938 FAU .02309
 FDE -.3277 FRA .2189 FC3 -.6065 BSP 2182
 BDE .5408 BRA .6726 BC3 .2288 FSP -159

MID-COURSE EXECUTION ACCURACY

SGT 798.6 SGR 432.6 SG3 69.2
 RRT -.0452 RRF .0496 RTF -.6827
 SGB 908.3 R23 -.0060 R13 .6830
 SG1 799.0 SG2 432.0 THA 178.02

ORBIT DETERMINATION ACCURACY

ST 424.3 SR 391.3 SS 353.7
 CRT -.8200 CRS -.9464 CST .9580
 LSA 654.3 MSA 172.5 SSA 17.0
 EL1 550.8 EL2 172.5 ALF 137.82

LAUNCH DATE JUN 23 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 178.636

RL 152.04 LAL .00 LOL 270.87 VL 24.236 GAL -2.25 AZL 93.52 HCA 74.69 SMA 114.57 ECC .32918 INC 3.5188 V1 29.302
 RP 108.81 LAP -3.39 LOP 345.53 VP 35.790 GAP -19.01 AZP 90.93 TAL 184.60 TAP 259.28 RCA 76.85 APO 152.28 V2 34.826
 RC 43.534 GL -15.84 GP -2.57 ZAL 101.12 ZAP 5.55 ETS 152.25 ZAE 159.57 ETE 27.53 ZAC 95.43 ETC 13.81 CLP 4.92

PLANETOCENTRIC CONIC

C3 29.637 VHL 5.444 DLA -10.34 RAL 163.92 RAD 6568.2 VEL 12.289 PTH 2.21 VHP 11.578 DPA 4.54 RAP 171.54 ECC 1.4877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 34 9 1984.29 -13.40 27.40 29.94 115.18 6 7 14 1384.3 -9.90 20.47
 90.00 14 54 21 5281.27 27.08 239.01 35.75 81.40 16 22 22 4681.3 25.61 230.65
 100.00 6 50 22 1738.42 -14.59 8.73 29.34 116.38 7 19 20 1138.4 -10.93 1.85
 100.00 16 20 49 5002.37 28.39 218.26 35.51 80.23 17 44 11 4402.4 26.75 209.84
 110.00 7 46 58 1561.20 -17.74 353.54 27.60 119.71 8 12 59 961.2 -13.65 346.81
 110.00 17 40 43 4752.36 31.89 198.46 34.70 76.98 18 59 55 4152.4 29.77 189.89

DIFFERENTIAL CORRECTIONS

TDE .3769 TRA -.6274 TC3 .2635 BAU .1119
 RDE -.3708 RRA -.1449 RC3 .1015 FAU .02453
 FDE -.3486 FRA .2079 FC3 -.7164 BSP 2301
 BDE .5288 BRA .6439 BC3 .2823 FSP -180

MID-COURSE EXECUTION ACCURACY

SGT 830.8 SGR 434.2 SG3 76.9
 RRT -.0529 RRF .0584 RTF -.7012
 SGB 937.4 R23 -.0074 R13 .7015
 SG1 831.2 SG2 433.4 THA 177.82

ORBIT DETERMINATION ACCURACY

ST 445.0 SR 393.1 SS 373.8
 CRT -.8315 CRS -.9533 CST .9574
 LSA 680.1 MSA 171.2 SSA 17.7
 EL1 568.6 EL2 170.9 ALF 139.25

LAUNCH DATE JUN 23 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 185.333

RL 152.04 LAL .00 LOL 270.87 VL 24.533 GAL -2.35 AZL 93.47 HCA 77.86 SMA 116.02 ECC .31291 INC 3.4691 V1 29.302
 RP 108.79 LAP -3.39 LOP 348.70 VP 35.999 GAP -17.89 AZP 90.73 TAL 185.18 TAP 263.03 RCA 79.72 APO 152.32 V2 34.834
 RC 44.099 GL -16.65 GP -2.72 ZAL 102.32 ZAP 4.07 ETS 137.92 ZAE 157.59 ETE 24.26 ZAC 94.21 ETC 13.76 CLP 3.04

PLANETOCENTRIC CONIC

C3 26.794 VHL 5.176 DLA -10.58 RAL 162.43 RAD 6568.1 VEL 12.172 PTH 2.18 VHP 10.943 DPA 3.89 RAP 172.67 ECC 1.4410
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 30 11 1951.09 -12.43 25.45 26.85 115.65 6 2 42 1351.1 -8.87 18.57
 90.00 14 46 24 5264.17 26.90 237.79 32.47 80.81 16 14 8 4664.2 25.36 229.46
 100.00 6 46 16 1705.67 -13.59 6.81 26.26 116.88 7 14 41 1105.7 -9.88 359.99
 100.00 16 13 0 4984.82 28.18 216.99 32.22 79.60 17 36 5 4384.8 26.46 208.62
 110.00 7 42 33 1529.41 -16.66 351.71 24.53 120.29 8 8 2 929.4 -12.51 345.05
 110.00 17 33 13 4733.84 31.60 197.09 31.37 76.22 18 52 7 4133.8 29.38 188.59

DIFFERENTIAL CORRECTIONS

TDE .3790 TRA -.5993 TC3 .3262 BAU .1231
 RDE -.3539 RRA -.1356 RC3 .1083 FAU .02616
 FDE -.3718 FRA .1938 FC3 -.8454 BSP 2425
 BDE .5185 BRA .6144 BC3 .3438 FSP -204

MID-COURSE EXECUTION ACCURACY

SGT 863.4 SGR 435.1 SG3 85.7
 RRT -.0623 RRF .0689 RTF -.7190
 SGB 966.8 R23 -.0090 R13 .7194
 SG1 864.0 SG2 434.0 THA 177.60

ORBIT DETERMINATION ACCURACY

ST 465.9 SR 394.4 SS 394.8
 CRT -.8436 CRS -.9602 CST .9570
 LSA 706.7 MSA 169.2 SSA 18.4
 EL1 586.8 EL2 168.1 ALF 140.62

LAUNCH DATE JUN 23 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 192.046

RL 152.04 LAL .00 LOL 270.87 VL 24.806 GAL -2.46 AZL 93.42 HCA 81.03 SMA 117.40 ECC .29790 INC 3.4205 V1 29.302
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.194 GAP -16.83 AZP 90.53 TAL 185.82 TAP 266.85 RCA 82.43 APO 152.37 V2 34.842
 RC 44.820 GL -17.43 GP -2.88 ZAL 103.63 ZAP 3.09 ETS 110.85 ZAE 155.69 ETE 21.50 ZAC 93.04 ETC 13.72 CLP 1.12

PLANETOCENTRIC CONIC

C3 24.366 VHL 4.936 DLA -10.76 RAL 160.83 RAD 6568.0 VEL 12.072 PTH 2.16 VHP 10.337 DPA 3.24 RAP 173.75 ECC 1.4010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 25 17 1921.80 -11.56 23.73 23.79 116.03 5 57 19 1321.8 -7.97 16.90
 90.00 14 38 36 5246.54 26.70 236.54 29.19 80.21 16 6 3 4646.5 25.08 228.24
 100.00 6 41 15 1676.71 -12.69 5.13 23.20 117.29 7 9 12 1076.7 -8.94 358.35
 100.00 16 5 19 4966.87 27.95 215.71 28.93 78.96 17 28 6 4366.9 26.15 207.37
 110.00 7 37 19 1501.15 -15.68 350.10 21.49 120.77 8 2 20 901.2 -11.48 343.51
 110.00 17 25 45 4715.19 31.29 195.73 28.06 75.47 18 44 20 4115.2 28.97 187.29

DIFFERENTIAL CORRECTIONS

TOE .3812 TRA -.5704 TC3 .3962 BAU .1343
 RDE -.3383 RRA -.1270 RC3 .1141 FAU .02801
 FDE -.3970 FRA .1766 FC3 -.9954 BSP 2556
 BDE .5097 BRA .5843 BC3 .4123 FSP -232

MID-COURSE EXECUTION ACCURACY

SGT 896.1 SGR 435.2 SG3 95.5
 RRT -.0733 RRF .0810 RTF -.7360
 SGB 996.2 R23 -.0107 R13 .7364
 SG1 896.8 SG2 433.7 THA 177.34

ORBIT DETERMINATION ACCURACY

ST 486.6 SR 395.3 SS 416.2
 CRT -.8558 CRS -.9666 CST .9566
 LSA 733.5 MSA 166.7 SSA 19.1
 EL1 605.0 EL2 164.5 ALF 141.88

LAUNCH DATE JUN 23 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 198.771

RL 152.04 LAL .00 LOL 270.87 VL 25.055 GAL -2.57 AZL 93.37 HCA 84.20 SMA 118.71 ECC .28411 INC 3.3727 V1 29.302
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.374 GAP -15.81 AZP 90.34 TAL 186.52 TAP 270.72 RCA 84.98 APO 152.43 V2 34.851
 RC 45.690 GL -18.17 GP -3.06 ZAL 105.03 ZAP 3.17 ETS 74.07 ZAE 153.94 ETE 19.14 ZAC 91.91 ETC 13.69 CLP -.85

PLANETOCENTRIC CONIC

C3 22.294 VHL 4.722 DLA -10.86 RAL 159.17 RAD 6567.9 VEL 11.986 PTH 2.14 VHP 9.757 DPA 2.59 RAP 174.78 ECC 1.3669
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 30 1896.59 -10.80 22.27 20.77 116.34 5 51 7 1296.6 -7.18 15.47
 90.00 14 31 5 5228.39 26.49 235.25 25.94 79.60 15 58 13 4628.4 24.78 227.00
 100.00 6 35 25 1651.69 -11.91 3.69 20.19 117.62 7 2 57 1051.7 -8.12 356.95
 100.00 15 57 51 4948.52 27.71 214.40 25.67 78.31 17 20 20 4348.5 25.82 206.11
 110.00 7 31 20 1476.57 -14.82 348.72 18.51 121.16 7 55 57 876.6 -10.58 342.17
 110.00 17 18 25 4696.41 30.96 194.36 24.78 74.72 18 36 42 4096.4 28.55 185.99

DIFFERENTIAL CORRECTIONS

TOE .3835 TRA -.5404 TC3 .4747 BAU .1458
 RDE -.3241 RRA -.1191 RC3 .1182 FAU .03010
 FDE -.4245 FRA .1561 FC3 -1.1688 BSP 2670
 BDE .5022 BRA .5534 BC3 .4892 FSP -263

MID-COURSE EXECUTION ACCURACY

SGT 929.2 SGR 434.6 SG3 106.5
 RRT -.0859 RRF .0951 RTF -.7534
 SGB 1025.8 R23 -.0125 R13 .7539
 SG1 930.2 SG2 432.5 THA 177.06

ORBIT DETERMINATION ACCURACY

ST 506.9 SR 395.8 SS 437.9
 CRT -.8681 CRS -.9725 CST .9563
 LSA 760.3 MSA 163.8 SSA 19.9
 EL1 622.9 EL2 159.9 ALF 143.03

LAUNCH DATE JUN 23 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 205.504

RL 152.04 LAL .00 LOL 270.87 VL 25.283 GAL -2.69 AZL 93.33 HCA 87.37 SMA 119.94 ECC .27149 INC 3.3255 V1 29.302
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.540 GAP -14.83 AZP 90.15 TAL 187.27 TAP 274.64 RCA 87.38 APO 152.50 V2 34.860
 RC 46.700 GL -18.86 GP -3.26 ZAL 106.50 ZAP 4.34 ETS 48.14 ZAE 152.34 ETE 17.08 ZAC 90.84 ETC 13.67 CLP -2.86

PLANETOCENTRIC CONIC

C3 20.529 VHL 4.531 DLA -10.90 RAL 157.44 RAD 6567.8 VEL 11.913 PTH 2.12 VHP 9.205 DPA 1.94 RAP 175.76 ECC 1.3379
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 12 56 1875.54 -10.16 21.05 17.81 116.57 5 44 11 1275.5 -6.51 14.27
 90.00 14 23 55 5209.72 26.25 233.94 22.75 78.98 15 50 44 4609.7 24.47 225.72
 100.00 6 28 49 1630.71 -11.24 2.48 17.25 117.88 6 56 0 1030.7 -7.43 355.78
 100.00 15 50 43 4929.78 27.44 213.07 22.47 77.66 17 12 52 4329.8 25.47 204.83
 110.00 7 24 42 1455.73 -14.08 347.55 15.59 121.47 7 48 57 855.7 -9.81 341.05
 110.00 17 11 19 4677.52 30.61 193.00 21.56 73.98 18 29 17 4077.5 28.11 184.70

DIFFERENTIAL CORRECTIONS

TOE .3850 TRA -.5111 TC3 .5539 BAU .1556
 RDE -.3113 RRA -.1120 RC3 .1203 FAU .03246
 FDE -.4545 FRA .1317 FC3 -1.3689 BSP 2814
 BDE .4951 BRA .5233 BC3 .5668 FSP -300

MID-COURSE EXECUTION ACCURACY

SGT 960.3 SGR 433.2 SG3 119.0
 RRT -.1010 RRF .1115 RTF -.7665
 SGB 1053.5 R23 -.0147 R13 .7671
 SG1 961.6 SG2 430.4 THA 176.74

ORBIT DETERMINATION ACCURACY

ST 525.6 SR 396.1 SS 459.8
 CRT -.8794 CRS -.9779 CST .9557
 LSA 786.2 MSA 161.2 SSA 20.7
 EL1 639.6 EL2 154.9 ALF 144.03

LAUNCH DATE JUN 23 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 212.240

RL 152.04 LAL .00 LOL 270.87 VL 25.491 GAL -2.81 AZL 93.28 HCA 90.55 SMA 121.09 ECC .25996 INC 3.2784 V1 29.302
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.693 GAP -13.90 AZP 89.97 TAL 188.07 TAP 278.61 RCA 89.61 APO 152.57 V2 34.870
 RC 47.841 GL -19.50 GP -3.48 ZAL 108.03 ZAP 6.04 ETS 34.50 ZAE 150.93 ETE 15.25 ZAC 89.83 ETC 13.67 CLP -4.94

PLANETOCENTRIC CONIC

C3 19.027 VHL 4.362 DLA -10.87 RAL 155.69 RAD 6567.8 VEL 11.849 PTH 2.10 VHP 8.678 DPA 1.29 RAP 176.67 ECC 1.3131
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 5 39 1858.63 -9.65 20.08 14.94 116.75 5 36 37 1258.6 -5.98 13.32
 90.00 14 17 11 5190.53 25.99 232.59 19.64 78.36 15 43 42 4590.5 24.13 224.42
 100.00 6 21 33 1613.74 -10.70 1.52 14.39 118.08 6 48 27 1013.7 -6.86 354.83
 100.00 15 43 58 4910.66 27.16 211.72 19.35 77.00 17 5 49 4310.7 25.10 203.53
 110.00 7 17 28 1438.62 -13.47 346.60 12.76 121.72 7 41 27 838.6 -9.18 340.13
 110.00 17 4 32 4658.54 30.24 191.64 18.42 73.25 18 22 11 4058.5 27.66 183.41

DIFFERENTIAL CORRECTIONS

TOE .3858 TRA -.4813 TC3 .6388 BAU .1653
 RDE -.2998 RRA -.1055 RC3 .1199 FAU .03513
 FDE -.4874 FRA .1032 FC3 -1.5985 BSP 2927
 BDE .4886 BRA .4927 BC3 .6499 FSP -340

MID-COURSE EXECUTION ACCURACY

SGT 990.8 SGR 431.2 SG3 133.1
 RRT -.1181 RRF .1307 RTF -.7798
 SGB 1080.6 R23 -.0177 R13 .7806
 SG1 992.4 SG2 427.5 THA 176.39

ORBIT DETERMINATION ACCURACY

ST 542.5 SR 396.1 SS 482.0
 CRT -.8903 CRS -.9827 CST .9550
 LSA 811.2 MSA 158.5 SSA 21.4
 EL1 654.9 EL2 149.4 ALF 144.88

LAUNCH DATE JUN 23 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 218.977

RL 152.04 LAL .00 LOL 270.87 VL 25.680 GAL -2.93 AZL 93.23 HCA 93.73 SMA 122.17 ECC .24948 INC 3.2313 V1 29.302
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.835 GAP -13.00 AZP 89.79 TAL 188.89 TAP 282.62 RCA 91.69 APO 152.65 V2 34.881
 RC 49.103 GL -20.07 GP -3.73 ZAL 109.58 ZAP 8.01 ETS 26.98 ZAE 149.73 ETE 13.59 ZAC 88.90 ETC 13.68 CLP -7.09

PLANETOCENTRIC CONIC

C3 17.750 VHL 4.213 DLA -10.76 RAL 153.92 RAD 6567.7 VEL 11.795 PTH 2.09 VHP 8.175 DPA .64 RAP 177.51 ECC 1.2921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 57 46 1845.76 -9.25 19.34 12.17 116.88 5 28 32 1245.8 -5.57 12.59
 90.00 14 11 0 5170.87 25.72 231.22 16.63 77.72 15 37 11 4570.9 23.77 223.09
 100.00 6 13 44 1600.67 -10.28 .77 11.63 118.22 6 40 25 1000.7 -6.43 354.10
 100.00 15 37 43 4891.18 26.85 210.35 16.34 76.34 16 59 14 4291.2 24.71 202.21
 110.00 7 9 47 1425.14 -12.99 345.86 10.03 121.90 7 33 32 825.1 -8.68 339.41
 110.00 16 58 9 4639.48 29.86 190.29 15.39 72.54 18 15 28 4039.5 27.18 182.12

DIFFERENTIAL CORRECTIONS

TOE .3857 TRA -.4516 TC3 .7262 BAU .1745
 RDE -.2895 RRA -.0998 RC3 .1164 FAU .03817
 FDE -.5233 FRA .0697 FC3-1.8617 BSP 3040
 BDE .4823 BRA .4625 BC3 .7354 FSP -387

MID-COURSE EXECUTION ACCURACY

SGT 1019.9 SGR 428.6 SG3 149.1
 RRT -.1376 RRF .1529 RTF -.7919
 SGB 1106.4 R23 -.0214 R13 .7928
 SG1 1022.0 SG2 423.7 THA 176.00

ORBIT DETERMINATION ACCURACY

ST 557.3 SR 395.9 SS 504.2
 CRT -.9004 CRS -.9868 CST .9541
 LSA 834.7 MSA 156.1 SSA 22.2
 EL1 668.4 EL2 143.6 ALF 145.58

LAUNCH DATE JUN 23 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 225.710

RL 152.04 LAL .00 LOL 270.87 VL 25.852 GAL -3.05 AZL 93.18 HCA 96.91 SMA 123.17 ECC .23999 INC 3.1838 V1 29.302
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.965 GAP -12.14 AZP 89.62 TAL 189.75 TAP 286.65 RCA 93.61 APO 152.73 V2 34.891
 RC 50.476 GL -20.56 GP -4.01 ZAL 111.15 ZAP 10.14 ETS 22.39 ZAE 148.75 ETE 12.05 ZAC 88.05 ETC 13.70 CLP -9.32

PLANETOCENTRIC CONIC

C3 16.665 VHL 4.082 DLA -10.60 RAL 152.18 RAD 6567.7 VEL 11.749 PTH 2.07 VHP 7.696 DPA .00 RAP 178.26 ECC 1.2743
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 49 26 1836.73 -8.97 18.82 9.53 116.97 5 20 2 1236.7 -5.28 12.08
 90.00 14 5 24 5150.77 25.42 229.82 13.75 77.08 15 31 14 4550.8 23.39 221.74
 100.00 6 5 29 1591.33 -9.98 .24 8.99 118.32 6 32 1 991.3 -6.12 353.58
 100.00 15 32 1 4871.39 26.53 208.97 13.45 75.69 16 53 12 4271.4 24.30 200.88
 110.00 7 1 45 1415.13 -12.63 345.31 7.42 122.03 7 25 20 815.1 -8.31 338.88
 110.00 16 52 14 4620.36 29.46 188.94 12.48 71.83 18 9 15 4020.4 26.70 180.85

DIFFERENTIAL CORRECTIONS

TOE .3846 TRA -.4222 TC3 .8130 BAU .1828
 RDE -.2804 RRA -.0948 RC3 .1093 FAU .04161
 FDE -.5628 FRA .0311 FC3-2.1616 BSP 3144
 BDE .4759 BRA .4327 BC3 .8203 FSP -440

MID-COURSE EXECUTION ACCURACY

SGT 1046.6 SGR 425.6 SG3 167.1
 RRT -.1607 RRF .1790 RTF -.8026
 SGB 1129.8 R23 -.0258 R13 .8038
 SG1 1049.2 SG2 419.0 THA 175.55

ORBIT DETERMINATION ACCURACY

ST 569.6 SR 395.6 SS 526.5
 CRT -.9097 CRS -.9901 CST .9530
 LSA 856.6 MSA 154.2 SSA 22.9
 EL1 679.7 EL2 137.6 ALF 146.14

LAUNCH DATE JUN 23 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 232.437

RL 152.04 LAL .00 LOL 270.87 VL 26.007 GAL -3.16 AZL 93.14 HCA 100.09 SMA 124.10 ECC .23143 INC 3.1356 V1 29.302
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.085 GAP -11.32 AZP 89.45 TAL 190.61 TAP 290.70 RCA 95.38 APO 152.82 V2 34.903
 RC 51.950 GL -20.98 GP -4.33 ZAL 112.71 ZAP 12.41 ETS 19.36 ZAE 148.01 ETE 10.60 ZAC 87.31 ETC 13.74 CLP -11.65

PLANETOCENTRIC CONIC

C3 15.744 VHL 3.968 DLA -10.37 RAL 150.47 RAD 6567.6 VEL 11.710 PTH 2.06 VHP 7.241 DPA -.64 RAP 178.91 ECC 1.2591
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 40 45 1831.29 -8.80 18.51 7.02 117.02 5 11 17 1231.3 -5.11 11.78
 90.00 14 0 27 5130.28 25.10 228.40 11.00 76.44 15 25 57 4530.3 22.99 220.37
 100.00 5 56 57 1585.47 -9.79 359.91 6.50 118.38 6 23 22 985.5 -5.92 353.26
 100.00 15 26 56 4851.33 26.18 207.58 10.70 75.03 16 47 47 4251.3 23.87 199.55
 110.00 6 53 30 1408.37 -12.38 344.93 4.96 122.12 7 16 59 808.4 -8.05 338.51
 110.00 16 46 52 4601.20 29.05 187.60 9.71 71.14 18 3 33 4001.2 26.20 179.58

DIFFERENTIAL CORRECTIONS

TOE .3842 TRA -.3913 TC3 .9028 BAU .1911
 RDE -.2723 RRA -.0907 RC3 .0979 FAU .04559
 FDE -.6074 FRA -.0149 FC3-2.5069 BSP 3286
 BDE .4709 BRA .4017 BC3 .9081 FSP -504

MID-COURSE EXECUTION ACCURACY

SGT 1072.9 SGR 422.4 SG3 187.9
 RRT -.1898 RRF .2104 RTF -.8142
 SGB 1153.0 R23 -.0295 R13 .8157
 SG1 1076.4 SG2 413.4 THA 174.99

ORBIT DETERMINATION ACCURACY

ST 581.3 SR 395.3 SS 550.0
 CRT -.9192 CRS -.9929 CST .9524
 LSA 879.2 MSA 152.2 SSA 23.5
 EL1 690.7 EL2 131.0 ALF 146.63

LAUNCH DATE JUN 23 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 239.156

RL 152.04 LAL .00 LOL 270.87 VL 26.148 GAL -3.26 AZL 93.09 HCA 103.27 SMA 124.96 ECC .22373 INC 3.0865 V1 29.302
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.194 GAP -10.52 AZP 89.29 TAL 191.48 TAP 294.75 RCA 97.00 APO 152.92 V2 34.914
 RC 53.515 GL -21.31 GP -4.68 ZAL 114.24 ZAP 14.82 ETS 17.23 ZAE 147.51 ETE 9.20 ZAC 86.67 ETC 13.78 CLP -14.08

PLANETOCENTRIC CONIC

C3 14.960 VHL 3.868 DLA -10.08 RAL 148.82 RAD 6567.6 VEL 11.677 PTH 2.05 VHP 6.808 DPA -1.27 RAP 179.44 ECC 1.2462
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 31 54 1829.11 -8.74 18.39 4.67 117.04 5 2 23 1229.1 -5.04 11.66
 90.00 13 56 11 5109.50 24.76 226.98 8.42 75.80 15 21 20 4509.5 22.57 218.99
 100.00 5 48 15 1582.78 -9.70 359.76 4.15 118.41 6 14 38 982.8 -5.83 353.11
 100.00 15 22 31 4831.06 25.82 206.19 8.11 74.38 16 43 2 4231.1 23.42 198.20
 110.00 6 45 10 1404.57 -12.25 344.73 2.64 122.17 7 8 34 804.6 -7.91 338.31
 110.00 16 42 5 4582.04 28.62 186.28 7.11 70.46 17 58 27 3982.0 25.69 178.33

DIFFERENTIAL CORRECTIONS

TOE .3804 TRA -.3632 TC3 .9836 BAU .1974
 RDE -.2653 RRA -.0874 RC3 .0820 FAU .05007
 FDE -.6555 FRA -.0667 FC3-2.8973 BSP 3369
 BDE .4637 BRA .3736 BC3 .9870 FSP -575

MID-COURSE EXECUTION ACCURACY

SGT 1093.2 SGR 419.2 SG3 211.2
 RRT -.2210 RRF .2465 RTF -.8223
 SGB 1170.8 R23 -.0364 R13 .8242
 SG1 1097.7 SG2 407.1 THA 174.38

ORBIT DETERMINATION ACCURACY

ST 587.3 SR 394.9 SS 572.8
 CRT -.9266 CRS -.9949 CST .9508
 LSA 897.4 MSA 151.7 SSA 24.0
 EL1 696.5 EL2 125.2 ALF 146.87

LAUNCH DATE JUN 23 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 245.863

RL 152.04 LAL .00 LOL 270.87 VL 26.275 GAL -3.36 AZL 93.04 HCA 106.46 SMA 125.75 ECC .21684 INC 3.0359 V1 29.302
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.295 GAP -9.76 AZP 89.14 TAL 192.34 TAP 298.79 RCA 98.48 APO 153.01 V2 34.926
 RC 55.163 GL -21.56 GP -5.09 ZAL 115.73 ZAP 17.37 ETS 15.69 ZAE 147.27 ETE 7.82 ZAC 86.17 ETC 13.83 CLP -16.64

PLANETOCENTRIC CONIC

C3 14.294 VHL 3.781 DLA -9.75 RAL 147.26 RAD 6567.6 VEL 11.648 PTH 2.04 VHP 6.399 DPA -1.89 RAP 179.85 ECC 1.2352
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 22 59 1829.86 -8.76 18.43 2.48 117.04 4 53 29 1229.9 -5.07 11.70
 90.00 13 52 37 5088.48 -24.40 225.54 6.01 75.17 15 17 26 4488.5 22.13 217.61
 100.00 5 39 31 1582.93 -9.71 359.77 1.97 118.41 6 5 54 982.9 -5.84 353.12
 100.00 15 18 46 4810.64 25.43 204.79 5.69 73.74 16 38 57 4210.6 22.96 196.86
 110.00 6 30 51 1403.43 -12.20 344.66 .49 122.18 7 0 14 803.4 -7.87 338.25
 110.00 16 37 56 4562.90 28.18 184.97 4.68 69.80 17 53 59 3962.9 25.17 177.09

DIFFERENTIAL CORRECTIONS

TDE .3747 TRA -.3368 TC3 1.0556 BAU .2021
 RDE -.2590 RRA -.0849 RC3 .0609 FAU .05511
 FDE -.7076 FRA -.1250 FC3-3.3376 BSP 3432
 BDE .4555 BRA .3473 BC3 1.0574 FSP -655

MID-COURSE EXECUTION ACCURACY

SGT 1108.0 SGR 416.3 SG3 237.5
 RRT -.2569 RRF .2882 RTF -.8286
 SGB 1183.6 R23 -.0449 R13 .8311
 SG1 1113.9 SG2 400.2 THA 173.67

ORBIT DETERMINATION ACCURACY

ST 589.1 SR 394.5 SS 595.1
 CRT -.9327 CRS -.9962 CST .9487
 LSA 912.8 MSA 151.9 SSA 24.4
 EL1 698.8 EL2 120.0 ALF 146.91

LAUNCH DATE JUN 23 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 252.557

RL 152.04 LAL .00 LOL 270.87 VL 26.388 GAL -3.46 AZL 92.98 HCA 109.64 SMA 126.46 ECC .21070 INC 2.9837 V1 29.302
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.386 GAP -9.03 AZP 89.00 TAL 193.17 TAP 302.82 RCA 99.82 APO 153.11 V2 34.938
 RC 56.885 GL -21.72 GP -5.54 ZAL 117.15 ZAP 20.08 ETS 14.52 ZAE 147.30 ETE 6.42 ZAC 85.81 ETC 13.89 CLP -19.33

PLANETOCENTRIC CONIC

C3 13.724 VHL 3.705 DLA -9.38 RAL 145.80 RAD 6567.5 VEL 11.624 PTH 2.04 VHP 6.011 DPA -2.51 RAP 180.11 ECC 1.2259
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 14 7 1833.19 -8.86 18.62 .46 117.00 4 44 40 1233.2 -5.17 11.88
 90.00 13 49 48 5067.26 24.02 224.10 3.77 74.54 15 14 15 4467.3 21.67 216.22
 100.00 5 30 52 1585.59 -9.80 359.92 359.97 118.38 5 57 18 985.6 -5.93 353.26
 100.00 15 15 44 4790.09 25.04 203.39 3.45 73.11 16 35 34 4190.1 22.48 195.52
 110.00 6 28 39 1404.64 -12.25 344.73 358.51 122.17 6 52 4 804.6 -7.91 338.32
 110.00 16 34 26 4543.81 27.72 183.67 2.42 69.15 17 50 10 3943.8 24.63 175.86

DIFFERENTIAL CORRECTIONS

TDE .3671 TRA -.3120 TC3 1.1188 BAU .2054
 RDE -.2536 RRA -.0833 RC3 .0340 FAU .06085
 FDE -.7644 FRA -.1911 FC3-3.8386 BSP 3478
 BDE .4462 BRA .3229 BC3 1.1193 FSP -746

MID-COURSE EXECUTION ACCURACY

SGT 1117.4 SGR 414.2 SG3 267.4
 RRT -.2981 RRF .3365 RTF -.8335
 SGB 1191.7 R23 -.0554 R13 .8368
 SG1 1125.2 SG2 392.7 THA 172.81

ORBIT DETERMINATION ACCURACY

ST 587.0 SR 394.2 SS 617.4
 CRT -.9376 CRS -.9970 CST .9462
 LSA 925.8 MSA 152.9 SSA 24.6
 EL1 697.6 EL2 115.3 ALF 146.77

LAUNCH DATE JUN 23 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 259.236

RL 152.04 LAL .00 LOL 270.87 VL 26.490 GAL -3.54 AZL 92.93 HCA 112.83 SMA 127.11 ECC .20525 INC 2.9293 V1 29.302
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.470 GAP -8.33 AZP 88.86 TAL 193.97 TAP 306.81 RCA 101.02 APO 153.20 V2 34.951
 RC 58.673 GL -21.80 GP -6.05 ZAL 118.50 ZAP 22.95 ETS 13.62 ZAE 147.60 ETE 4.94 ZAC 85.61 ETC 13.95 CLP -22.18

PLANETOCENTRIC CONIC

C3 13.235 VHL 3.638 DLA -8.96 RAL 144.45 RAD 6567.5 VEL 11.603 PTH 2.03 VHP 5.646 DPA -3.11 RAP 180.20 ECC 1.2178
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 5 26 1838.75 -9.03 18.94 358.62 116.95 4 36 4 1238.8 -5.35 12.20
 90.00 13 47 23 5045.90 23.63 222.66 1.71 73.92 15 11 49 4445.9 21.20 214.83
 100.00 5 22 24 1590.43 -9.95 .19 358.14 118.33 5 48 54 990.4 -6.09 353.53
 100.00 15 13 25 4769.45 24.62 202.00 1.39 72.49 16 32 55 4169.4 21.99 194.19
 110.00 6 20 41 1407.91 -12.37 344.91 356.70 122.12 6 44 9 807.9 -8.04 338.49
 110.00 16 31 37 4524.74 27.25 182.38 .35 68.52 17 47 2 3924.7 24.09 174.64

DIFFERENTIAL CORRECTIONS

TDE .3578 TRA -.2890 TC3 1.1696 BAU .2069
 RDE -.2491 RRA -.0827 RC3 .0003 FAU .06736
 FDE -.8270 FRA -.2664 FC3-4.4064 BSP 3505
 BDE .4359 BRA .3006 BC3 1.1696 FSP -851

MID-COURSE EXECUTION ACCURACY

SGT 1119.8 SGR 413.8 SG3 301.2
 RRT -.3453 RRF .3924 RTF -.8366
 SGB 1193.9 R23 -.0689 R13 .8411
 SG1 1130.1 SG2 384.8 THA 171.77

ORBIT DETERMINATION ACCURACY

ST 580.7 SR 394.2 SS 640.1
 CRT -.9415 CRS -.9973 CST .9432
 LSA 936.9 MSA 154.7 SSA 24.6
 EL1 693.0 EL2 111.4 ALF 146.43

LAUNCH DATE JUN 23 1967

FLIGHT TIME 100.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 265.898

RL 152.04 LAL .00 LOL 270.87 VL 26.580 GAL -3.62 AZL 92.87 HCA 116.03 SMA 127.70 ECC .20043 INC 2.8723 V1 29.302
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.545 GAP -7.65 AZP 88.74 TAL 194.73 TAP 310.76 RCA 102.10 APO 153.29 V2 34.964
 RC 60.521 GL -21.80 GP -6.64 ZAL 119.76 ZAP 26.01 ETS 12.90 ZAE 148.18 ETE 3.35 ZAC 85.60 ETC 14.00 CLP -25.21

PLANETOCENTRIC CONIC

C3 12.811 VHL 3.579 DLA -8.51 RAL 143.22 RAD 6567.5 VEL 11.584 PTH 2.03 VHP 5.303 DPA -3.71 RAP 180.11 ECC 1.2108
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 56 58 1846.26 -9.27 19.37 356.97 116.88 4 27 45 1246.3 -5.59 12.62
 90.00 13 46 22 5024.37 23.22 221.22 359.85 73.32 15 10 6 4424.4 20.71 213.44
 100.00 5 14 11 1597.16 -10.17 .57 356.49 118.26 5 40 48 997.2 -6.31 353.91
 100.00 15 11 50 4748.70 24.19 200.61 359.51 71.88 16 30 59 4148.7 21.48 192.86
 110.00 6 13 1 1412.96 -12.55 345.19 355.08 122.06 6 36 34 813.0 -8.22 338.76
 110.00 16 29 30 4505.67 26.77 181.11 358.46 67.91 17 44 36 3905.7 23.54 173.44

DIFFERENTIAL CORRECTIONS

TDE .3477 TRA -.2671 TC3 1.2103 BAU .2074
 RDE -.2453 RRA -.0832 RC3 -.0412 FAU .07482
 FDE -.8969 FRA -.3525 FC3-5.0564 BSP 3546
 BDE .4255 BRA .2798 BC3 1.2110 FSP -975

MID-COURSE EXECUTION ACCURACY

SGT 1116.8 SGR 416.2 SG3 340.0
 RRT -.3999 RRF .4563 RTF -.8392
 SGB 1191.9 R23 -.0846 R13 .8452
 SG1 1130.7 SG2 376.8 THA 170.45

ORBIT DETERMINATION ACCURACY

ST 572.1 SR 394.8 SS 664.3
 CRT -.9447 CRS -.9972 CST .9400
 LSA 948.2 MSA 156.9 SSA 24.5
 EL1 686.6 EL2 107.9 ALF 145.94

LAUNCH DATE JUN 23 1967

FLIGHT TIME 102.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 272.541

RL 152.04 LAL .00 LOL 270.87 VL 26.660 GAL -3.68 AZL 92.81 HCA 119.22 SMA 128.22 ECC .19620 INC 2.8120 V1 29.302
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.614 GAP -6.99 AZP 88.63 TAL 195.44 TAP 314.66 RCA 103.07 APO 153.38 V2 34.977
 RC 62.420 GL -21.72 GP -7.30 ZAL 120.93 ZAP 29.28 ETS 12.32 ZAE 149.05 ETE 1.57 ZAC 85.80 ETC 14.05 CLP -28.43

PLANETOCENTRIC CONIC

C3 12.441 VHL 3.527 OLA -8.03 RAL 142.12 RAD 6567.5 VEL 11.568 PTH 2.02 VHP 4.982 DPA -4.31 RAP 179.81 ECC 1.2047
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 48 50 1855.43 -9.55 19.89 355.49 116.79 4 19 46 1255.4 -5.88 13.14
 90.00 13 45 46 5002.66 22.78 219.77 358.16 72.72 15 9 9 4402.7 20.20 212.05
 100.00 5 6 18 1605.51 -10.44 1.05 355.02 118.17 5 33 4 1005.5 -6.59 354.37
 100.00 15 10 59 4727.80 23.74 199.22 357.82 71.28 16 29 47 4127.8 20.96 191.52
 110.00 6 5 42 1419.54 -12.79 345.55 353.63 121.97 6 29 22 819.5 -8.47 339.11
 110.00 16 28 5 4486.55 26.28 179.84 356.76 67.31 17 42 51 3886.5 22.97 172.24

DIFFERENTIAL CORRECTIONS

TOE .3332 TRA -.2503 TC3 1.2261 BAU .2045
 RDE -.2422 RRA -.0847 RC3 -.0911 FAU .08305
 FDE -.9694 FRA -.4452 FC3-5.7793 BSP 3508
 BDE .4120 BRA .2642 BC3 1.2295 FSP -1109

MID-COURSE EXECUTION ACCURACY

SGT 1099.9 SGR 422.2 SG3 382.8
 RRT -.4555 RRF .5255 RTF -.8369
 SGB 1178.1 R23 -.1074 R13 .8457
 SG1 1118.7 SG2 369.5 THA 168.85

ORBIT DETERMINATION ACCURACY

ST 555.8 SR 395.6 SS 686.4
 CRT -.9454 CRS -.9969 CST .9350
 LSA 954.1 MSA 160.1 SSA 24.3
 EL1 673.9 EL2 106.3 ALF 145.06

LAUNCH DATE JUN 23 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 279.165

RL 152.04 LAL .00 LOL 270.87 VL 26.730 GAL -3.74 AZL 92.75 HCA 122.42 SMA 128.69 ECC .19249 INC 2.7477 V1 29.302
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.676 GAP -6.36 AZP 88.53 TAL 196.08 TAP 318.50 RCA 103.92 APO 153.46 V2 34.990
 RC 64.367 GL -21.56 GP -8.06 ZAL 122.00 ZAP 32.77 ETS 11.82 ZAE 150.21 ETE 359.51 ZAC 86.23 ETC 14.07 CLP -31.87

PLANETOCENTRIC CONIC

C3 12.113 VHL 3.480 OLA -7.52 RAL 141.17 RAD 6567.5 VEL 11.554 PTH 2.02 VHP 4.685 DPA -4.90 RAP 179.28 ECC 1.1993
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 41 3 1866.07 -9.87 20.51 354.20 116.67 4 12 10 1266.1 -6.21 13.74
 90.00 13 45 56 4980.67 22.33 218.32 356.66 72.12 15 8 57 4380.7 19.68 210.65
 100.00 4 58 47 1615.32 -10.75 1.61 353.74 118.06 5 25 43 1015.3 -6.92 354.92
 100.00 15 10 53 4706.66 23.27 197.82 356.31 70.69 16 29 20 4106.7 20.42 190.19
 110.00 5 58 47 1427.47 -13.07 345.98 352.37 121.87 6 22 34 827.5 -8.77 339.53
 110.00 16 27 23 4467.27 25.76 178.58 355.25 66.72 17 41 50 3867.3 22.39 171.05

DIFFERENTIAL CORRECTIONS

TOE .3160 TRA -.2377 TC3 1.2198 BAU .1990
 RDE -.2398 RRA -.0873 RC3 -.1510 FAU .09221
 FDE-1.0458 FRA -.5448 FC3-6.5904 BSP 3435
 BDE .3966 BRA .2532 BC3 1.2291 FSP -1259

MID-COURSE EXECUTION ACCURACY

SGT 1071.1 SGR 433.4 SG3 430.5
 RRT -.5112 RRF .5986 RTF -.8307
 SGB 1155.5 R23 -.1375 R13 .8439
 SG1 1096.7 SG2 363.8 THA 166.84

ORBIT DETERMINATION ACCURACY

ST 534.1 SR 397.2 SS 707.6
 CRT -.9442 CRS -.9964 CST .9284
 LSA 957.2 MSA 163.9 SSA 23.9
 EL1 657.0 EL2 106.4 ALF 143.83

LAUNCH DATE JUN 23 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 285.769

RL 152.04 LAL .00 LOL 270.87 VL 26.791 GAL -3.79 AZL 92.68 HCA 125.62 SMA 129.10 ECC .18927 INC 2.6788 V1 29.302
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.731 GAP -5.75 AZP 88.44 TAL 196.65 TAP 322.27 RCA 104.66 APO 153.53 V2 35.003
 RC 66.356 GL -21.31 GP -8.92 ZAL 122.97 ZAP 36.50 ETS 11.39 ZAE 151.66 ETE 357.04 ZAC 86.90 ETC 14.07 CLP -35.54

PLANETOCENTRIC CONIC

C3 11.816 VHL 3.437 OLA -6.98 RAL 140.36 RAD 6567.5 VEL 11.541 PTH 2.01 VHP 4.410 DPA -5.49 RAP 178.50 ECC 1.1945
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 33 39 1878.06 -10.24 21.20 353.08 116.55 4 4 57 1278.1 -6.59 14.41
 90.00 13 46 53 4958.26 21.86 216.85 355.33 71.53 15 9 31 4358.3 19.13 209.23
 100.00 4 51 39 1626.42 -11.11 2.24 352.63 117.93 5 18 45 1026.4 -7.28 355.54
 100.00 15 11 34 4685.14 22.78 196.41 354.98 70.10 16 29 39 4085.1 19.86 188.83
 110.00 5 52 16 1436.62 -13.40 346.49 351.28 121.75 6 16 13 836.6 -9.11 340.02
 110.00 16 27 26 4447.69 25.23 177.31 353.90 66.13 17 41 34 3847.7 21.79 169.85

DIFFERENTIAL CORRECTIONS

TOE .2956 TRA -.2291 TC3 1.1887 BAU .1911
 RDE -.2380 RRA -.0911 RC3 -.2227 FAU .10231
 FDE-1.1242 FRA -.6523 FC3-7.4958 BSP 3324
 BDE .3796 BRA .2465 BC3 1.2094 FSP -1427

MID-COURSE EXECUTION ACCURACY

SGT 1028.9 SGR 452.0 SG3 483.1
 RRT -.5629 RRF .6726 RTF -.8192
 SGB 1123.8 R23 -.1767 R13 .8399
 SG1 1064.2 SG2 361.2 THA 164.25

ORBIT DETERMINATION ACCURACY

ST 506.7 SR 399.5 SS 727.3
 CRT -.9404 CRS -.9959 CST .9194
 LSA 957.3 MSA 168.1 SSA 23.5
 EL1 636.1 EL2 108.2 ALF 142.16

LAUNCH DATE JUN 23 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 292.352

RL 152.04 LAL .00 LOL 270.87 VL 26.843 GAL -3.83 AZL 92.60 HCA 128.82 SMA 129.45 ECC .18648 INC 2.6039 V1 29.302
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.781 GAP -5.17 AZP 88.37 TAL 197.15 TAP 325.97 RCA 105.31 APO 153.59 V2 35.016
 RC 68.382 GL -20.99 GP -9.90 ZAL 123.83 ZAP 40.49 ETS 10.97 ZAE 153.38 ETE 353.98 ZAC 87.84 ETC 14.03 CLP -39.47

PLANETOCENTRIC CONIC

C3 11.544 VHL 3.398 OLA -6.41 RAL 139.69 RAD 6567.4 VEL 11.530 PTH 2.01 VHP 4.160 DPA -6.08 RAP 177.44 ECC 1.1900
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 35 1891.37 -10.64 21.97 352.14 116.40 3 58 7 1291.4 -7.01 15.17
 90.00 13 48 39 4935.19 21.35 215.35 354.17 70.95 15 10 54 4335.2 18.55 207.79
 100.00 4 44 53 1638.80 -11.50 2.95 351.69 117.78 5 12 12 1038.8 -7.69 356.23
 100.00 15 13 2 4663.00 22.26 194.98 353.82 69.51 16 30 45 4063.0 19.27 187.46
 110.00 5 46 9 1446.96 -13.77 347.06 350.36 121.60 6 10 16 847.0 -9.49 340.58
 110.00 16 28 15 4427.60 24.67 176.02 352.73 65.55 17 42 3 3827.6 21.16 168.63

DIFFERENTIAL CORRECTIONS

TOE .2738 TRA -.2237 TC3 1.1334 BAU .1813
 RDE -.2372 RRA -.0964 RC3 -.3087 FAU .11341
 FDE-1.2063 FRA -.7686 FC3-8.5052 BSP 3213
 BDE .3623 BRA .2436 BC3 1.1746 FSP -1619

MID-COURSE EXECUTION ACCURACY

SGT 974.9 SGR 480.4 SG3 541.2
 RRT -.6066 RRF .7441 RTF -.8015
 SGB 1086.9 R23 -.2240 R13 .8352
 SG1 1024.3 SG2 363.5 THA 160.85

ORBIT DETERMINATION ACCURACY

ST 476.1 SR 403.1 SS 747.2
 CRT -.9340 CRS -.9954 CST .9080
 LSA 957.7 MSA 172.4 SSA 23.0
 EL1 613.7 EL2 111.7 ALF 140.08

LAUNCH DATE JUN 23 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 298.913

RL 152.04 LAL .00 LOL 270.87 VL 26.888 GAL -3.86 AZL 92.52 HCA 132.02 SMA 129.76 ECC .18408 INC 2.5228 V1 29.302
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.825 GAP -4.60 AZP 88.31 TAL 197.57 TAP 329.59 RCA 105.87 APO 153.64 V2 35.029
 RC 70.443 GL -20.57 GP -11.01 ZAL 124.60 ZAP 44.76 ETS 10.55 ZAE 155.34 ETE 350.04 ZAC 89.07 ETC 13.93 CLP -43.67

PLANETOCENTRIC CONIC

C3 11.288 VHL 3.360 DLA -5.80 RAL 139.18 RAD 6567.4 VEL 11.518 PTH 2.01 VHP 3.935 DPA -6.69 RAP 176.08 ECC 1.1858
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 19 52 1906.06 -11.09 22.82 351.37 116.22 3 51 38 1306.1 -7.47 16.00
 90.00 13 51 17 4911.19 20.81 213.79 353.18 70.35 15 13 8 4311.2 17.94 206.29
 100.00 4 38 28 1652.50 -11.93 3.73 350.93 117.61 5 6 1 1052.5 -8.14 357.00
 100.00 15 15 22 4639.97 21.70 193.49 352.82 68.92 16 32 42 4040.0 18.64 186.03
 110.00 5 40 26 1458.51 -14.18 347.71 349.62 121.43 6 4 44 858.5 -9.92 341.20
 110.00 16 29 54 4406.73 24.08 174.69 351.73 64.97 17 43 20 3806.7 20.50 167.37

DIFFERENTIAL CORRECTIONS

TDE .2468 TRA -.2258 TC3 1.0385 BAU .1685
 RDE -.2367 RRA -.1028 RC3 -.4100 FAU .12503
 FDE -1.2794 FRA -.8811 FC3 -9.5892 BSP 3020
 BDE .3420 BRA .2480 BC3 1.1165 FSP -1815

MID-COURSE EXECUTION ACCURACY

SGT 902.1 SGR 519.5 SG3 602.1
 RRT -.6273 RRF .8071 RTF -.7683
 SGB 1041.0 R23 -.2834 R13 .8272
 SG1 970.7 SG2 376.0 THA 156.39

ORBIT DETERMINATION ACCURACY

ST 437.1 SR 407.2 SS 760.5
 CRT -.9211 CRS -.9950 CST .8896
 LSA 950.5 MSA 177.1 SSA 22.4
 EL1 585.6 EL2 118.4 ALF 137.20

LAUNCH DATE JUN 23 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 305.452

RL 152.04 LAL .00 LOL 270.87 VL 26.926 GAL -3.87 AZL 92.43 HCA 135.23 SMA 130.01 ECC .18204 INC 2.4313 V1 29.302
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.864 GAP -4.05 AZP 88.27 TAL 197.91 TAP 333.13 RCA 106.35 APO 153.68 V2 35.042
 RC 72.534 GL -20.06 GP -12.27 ZAL 125.26 ZAP 49.30 ETS 10.09 ZAE 157.46 ETE 344.84 ZAC 90.59 ETC 13.75 CLP -48.14

PLANETOCENTRIC CONIC

C3 11.041 VHL 3.323 DLA -5.13 RAL 138.83 RAD 6567.4 VEL 11.508 PTH 2.00 VHP 3.736 DPA -7.33 RAP 174.42 ECC 1.1817
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 13 25 1922.32 -11.57 23.76 350.76 116.02 3 45 28 1322.3 -7.98 16.93
 90.00 13 54 53 4885.81 20.22 212.16 352.35 69.74 15 16 18 4285.8 17.28 204.72
 100.00 4 32 21 1667.73 -12.41 4.61 350.33 117.41 5 0 8 1067.7 -8.64 357.85
 100.00 15 18 38 4615.64 21.10 191.94 351.99 68.32 16 35 34 4015.6 17.97 184.54
 110.00 5 35 3 1471.43 -14.64 348.43 349.04 121.24 5 59 34 871.4 -10.39 341.90
 110.00 16 32 26 4384.70 23.43 173.30 350.88 64.37 17 45 30 3784.7 19.79 166.05

DIFFERENTIAL CORRECTIONS

TDE .2171 TRA -.2332 TC3 .9069 BAU .1551
 RDE -.2367 RRA -.1103 RC3 -.5300 FAU .13708
 FDE -1.3437 FRA -.9896 FC3 -10.7483 BSP 2816
 BDE .3212 BRA .2579 BC3 1.0505 FSP -2022

MID-COURSE EXECUTION ACCURACY

SGT 816.3 SGR 572.0 SG3 665.5
 RRT -.6170 RRF .8600 RTF -.7127
 SGB 996.7 R23 -.3432 R13 .8218
 SG1 911.6 SG2 403.1 THA 150.24

ORBIT DETERMINATION ACCURACY

ST 393.8 SR 412.3 SS 769.2
 CRT -.8994 CRS -.9948 CST .8619
 LSA 939.8 MSA 181.9 SSA 21.9
 EL1 555.7 EL2 127.7 ALF 133.54

LAUNCH DATE JUN 23 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 311.968

RL 152.04 LAL .00 LOL 270.87 VL 26.957 GAL -3.88 AZL 92.33 HCA 138.44 SMA 130.23 ECC .18032 INC 2.3297 V1 29.302
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.898 GAP -3.52 AZP 88.26 TAL 198.16 TAP 336.60 RCA 106.74 APO 153.71 V2 35.056
 RC 74.652 GL -19.43 GP -13.70 ZAL 125.82 ZAP 54.12 ETS 9.56 ZAE 159.62 ETE 337.80 ZAC 92.40 ETC 13.46 CLP -52.89

PLANETOCENTRIC CONIC

C3 10.798 VHL 3.286 DLA -4.41 RAL 138.63 RAD 6567.4 VEL 11.497 PTH 2.00 VHP 3.565 DPA -8.01 RAP 172.44 ECC 1.1777
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 7 9 1940.54 -12.12 24.83 350.33 115.79 3 39 29 1340.5 -8.55 17.97
 90.00 13 59 34 4858.48 19.57 210.43 351.67 69.11 15 20 32 4258.5 16.55 203.05
 100.00 4 26 25 1684.82 -12.95 5.60 349.90 117.18 4 54 30 1084.8 -9.20 358.81
 100.00 15 22 58 4589.44 20.43 190.28 351.31 67.69 16 39 28 3989.4 17.23 182.95
 110.00 5 29 55 1486.02 -15.15 349.25 348.64 121.01 5 54 41 886.0 -10.93 342.69
 110.00 16 35 58 4361.00 22.73 171.82 350.19 63.75 17 48 39 3761.0 19.02 164.65

DIFFERENTIAL CORRECTIONS

TDE .1860 TRA -.2447 TC3 .7382 BAU .1442
 RDE -.2373 RRA -.1192 RC3 -.6727 FAU .14930
 FDE -1.3961 FRA -1.0932 FC3 -11.9704 BSP 2656
 BDE .3015 BRA .2722 BC3 .9987 FSP -2242

MID-COURSE EXECUTION ACCURACY

SGT 723.7 SGR 640.3 SG3 730.4
 RRT -.5600 RRF .9021 RTF -.6192
 SGB 966.3 R23 -.3770 R13 .8310
 SG1 855.8 SG2 448.6 THA 141.18

ORBIT DETERMINATION ACCURACY

ST 349.1 SR 418.6 SS 773.7
 CRT -.8645 CRS -.9948 CST .8202
 LSA 927.6 MSA 186.6 SSA 21.3
 EL1 526.9 EL2 139.4 ALF 129.04

LAUNCH DATE JUN 23 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 318.463

RL 152.04 LAL .00 LOL 270.87 VL 26.981 GAL -3.88 AZL 92.21 HCA 141.65 SMA 130.40 ECC .17888 INC 2.2142 V1 29.302
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.928 GAP -3.00 AZP 88.26 TAL 198.33 TAP 339.97 RCA 107.07 APO 153.72 V2 35.069
 RC 76.795 GL -18.67 GP -15.31 ZAL 126.30 ZAP 59.18 ETS 8.91 ZAE 161.59 ETE 328.22 ZAC 94.48 ETC 13.04 CLP -57.91

PLANETOCENTRIC CONIC

C3 10.554 VHL 3.249 DLA -3.59 RAL 138.59 RAD 6567.4 VEL 11.487 PTH 2.00 VHP 3.422 DPA -8.77 RAP 170.16 ECC 1.1737
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 0 54 1961.28 -12.73 26.04 350.07 115.51 3 33 35 1361.3 -9.19 19.15
 90.00 14 5 31 4828.43 18.82 208.53 351.14 68.45 15 26 0 4228.4 15.73 201.22
 100.00 4 20 34 1704.31 -13.55 6.73 349.65 116.90 4 48 58 1104.3 -9.83 359.91
 100.00 15 28 33 4560.64 19.67 188.47 350.78 67.03 16 44 33 3960.6 16.39 181.21
 110.00 5 24 57 1502.73 -15.74 350.19 348.41 120.74 5 50 0 902.7 -11.54 343.60
 110.00 16 40 39 4334.97 21.94 170.21 349.65 63.10 17 52 54 3735.0 18.15 163.13

DIFFERENTIAL CORRECTIONS

TDE .1514 TRA -.2631 TC3 .5188 BAU .1391
 RDE -.2369 RRA -.1282 RC3 -.8382 FAU .16062
 FDE -1.4151 FRA -1.1697 FC3 -13.1757 BSP 2535
 BDE .2812 BRA .2927 BC3 .9858 FSP -2440

MID-COURSE EXECUTION ACCURACY

SGT 633.3 SGR 722.9 SG3 790.9
 RRT -.4146 RRF .9330 RTF -.4469
 SGB 961.1 R23 -.3299 R13 .8752
 SG1 813.1 SG2 512.4 THA 126.13

ORBIT DETERMINATION ACCURACY

ST 301.4 SR 423.7 SS 764.2
 CRT -.8007 CRS -.9948 CST .7477
 LSA 904.0 MSA 191.5 SSA 20.7
 EL1 496.6 EL2 154.0 ALF 123.28

LAUNCH DATE JUN 23 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 324.934

RL 152.04 LAL .00 LOL 270.87 VL 27.000 GAL -3.86 AZL 92.08 HCA 144.86 SMA 130.53 ECC .17771 INC 2.0810 V1 29.302
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.953 GAP -2.50 AZP 88.30 TAL 198.41 TAP 343.27 RCA 107.33 APO 153.72 V2 35.082
 RC 78.958 GL -17.74 GP -17.13 ZAL 126.68 ZAP 64.45 ETS 8.10 ZAE 163.00 ETE 315.54 ZAC 96.81 ETC 12.46 CLP -63.17

PLANETOCENTRIC CONIC

C3 10.303 VHL 3.210 DLA -2.66 RAL 138.73 RAD 6567.4 VEL 11.476 PTH 1.99 VHP 3.311 DPA -9.64 RAP 167.59 ECC 1.1696
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 54 29 1985.47 -13.43 27.47 349.99 115.16 3 27 35 1385.5 -9.93 20.54
 90.00 14 13 2 4794.54 17.96 206.42 350.77 67.74 15 32 56 4194.5 14.79 199.18
 100.00 4 14 35 1727.08 -14.25 8.06 349.58 116.56 4 43 22 1127.1 -10.57 1.21
 100.00 15 35 37 4528.17 18.80 186.46 350.40 66.32 16 51 5 3928.2 15.44 179.28
 110.00 5 19 59 1522.35 -16.42 351.30 348.36 120.41 5 45 22 922.4 -12.25 344.67
 110.00 16 46 42 4305.66 21.02 168.43 349.26 62.40 17 58 28 3705.7 17.16 161.43

DIFFERENTIAL CORRECTIONS

TDE .1171 TRA -.2848 TC3 .2548 BAU .1465
 RDE -.2359 RRA -.1379 RC3-1.0327 FAU .17078
 FDE-1.4030 FRA-1.2239 FC-14.3496 BSP 2599
 BDE .2634 BRA .3164 BC3 1.0637 FSP -2635

MID-COURSE EXECUTION ACCURACY

SGT 574.0 SGR 823.1 SG3 846.2
 RRT -.1505 RRF .9553 RTF -.1632
 SGB 1003.5 R23 -.1062 R13 .9495
 SG1 831.6 SG2 561.7 THA 101.11

ORBIT DETERMINATION ACCURACY

ST 258.9 SR 428.0 SS 744.8
 CRT -.6935 CRS -.9948 CST .6301
 LSA 875.2 MSA 196.3 SSA 20.2
 EL1 470.5 EL2 169.7 ALF 116.47

LAUNCH DATE JUN 23 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 331.383

RL 152.04 LAL .00 LOL 270.87 VL 27.014 GAL -3.84 AZL 91.92 HCA 148.08 SMA 130.62 ECC .17676 INC 1.9246 V1 29.302
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.974 GAP -2.02 AZP 88.37 TAL 198.40 TAP 346.48 RCA 107.53 APO 153.71 V2 35.094
 RC 81.139 GL -16.60 GP -19.20 ZAL 126.98 ZAP 69.87 ETS 7.09 ZAE 163.41 ETE 300.21 ZAC 99.33 ETC 11.68 CLP -68.62

PLANETOCENTRIC CONIC

C3 10.043 VHL 3.169 DLA -1.56 RAL 139.05 RAD 6567.4 VEL 11.464 PTH 1.99 VHP 3.232 DPA -10.66 RAP 164.77 ECC 1.1653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 47 37 2014.46 -14.26 29.19 350.11 114.72 3 21 11 1414.5 -10.81 22.22
 90.00 14 22 30 4755.28 16.93 204.00 350.56 66.96 15 41 45 4155.3 13.67 196.84
 100.00 4 8 14 1754.42 -15.07 9.67 349.71 116.12 4 37 28 1154.4 -11.44 2.77
 100.00 15 44 34 4490.57 17.75 184.15 350.18 65.55 16 59 25 3890.6 14.31 177.06
 110.00 5 14 48 1546.01 -17.23 352.66 348.52 119.99 5 40 34 946.0 -13.11 345.97
 110.00 16 54 29 4271.74 19.94 166.40 349.04 61.64 18 5 41 3671.7 16.00 159.49

DIFFERENTIAL CORRECTIONS

TDE .0831 TRA -.3108 TC3 -.0635 BAU .1688
 RDE -.2318 RRA -.1460 RC3-1.2557 FAU .17832
 FDE-1.3356 FRA-1.2296 FC-15.3722 BSP 2862
 BDE .2463 BRA .3434 BC3 1.2573 FSP -2774

MID-COURSE EXECUTION ACCURACY

SGT 583.3 SGR 937.5 SG3 888.3
 RRT .2150 RRF .9705 RTF .2134
 SGB 1104.2 R23 .1140 R13 .9638
 SG1 950.5 SG2 561.9 THA 78.21

ORBIT DETERMINATION ACCURACY

ST 225.9 SR 427.3 SS 704.3
 CRT -.5138 CRS -.9948 CST .4387
 LSA 829.9 MSA 201.4 SSA 19.9
 EL1 446.3 EL2 185.5 ALF 108.51

LAUNCH DATE JUN 23 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 337.810

RL 152.04 LAL .00 LOL 270.87 VL 27.023 GAL -3.80 AZL 91.74 HCA 151.29 SMA 130.68 ECC .17603 INC 1.7371 V1 29.302
 RP 107.94 LAP -.83 LOP 62.17 VP 37.992 GAP -1.55 AZP 88.48 TAL 198.31 TAP 349.60 RCA 107.68 APO 153.69 V2 35.107
 RC 83.336 GL -15.16 GP -21.54 ZAL 127.20 ZAP 75.35 ETS 5.83 ZAE 162.42 ETE 284.36 ZAC 101.97 ETC 10.64 CLP -74.22

PLANETOCENTRIC CONIC

C3 9.769 VHL 3.126 DLA -.23 RAL 139.59 RAD 6567.4 VEL 11.452 PTH 1.99 VHP 3.189 DPA -11.92 RAP 161.73 ECC 1.1608
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 51 2050.40 -15.28 31.35 350.46 114.14 3 14 1 1450.4 -11.89 24.31
 90.00 14 34 33 4708.36 15.66 201.14 350.53 66.10 15 53 1 4108.4 12.30 194.08
 100.00 4 1 5 1788.35 -16.08 11.69 350.08 115.54 4 30 53 1188.4 -12.51 4.72
 100.00 15 56 0 4445.64 16.47 181.44 350.14 64.70 17 10 5 3845.6 12.92 174.44
 110.00 5 9 5 1575.48 -18.22 354.37 348.91 119.44 5 35 21 975.5 -14.16 347.60
 110.00 17 4 29 4231.27 18.61 164.01 348.98 60.80 18 15 0 3631.3 14.58 157.21

DIFFERENTIAL CORRECTIONS

TDE .0532 TRA -.3379 TC3 -.4326 BAU .2055
 RDE -.2236 RRA -.1523 RC3-1.5132 FAU .18272
 FDE-1.2109 FRA-1.1886 FC-16.1925 BSP 3376
 BDE .2299 BRA .3706 BC3 1.5739 FSP -2870

MID-COURSE EXECUTION ACCURACY

SGT 682.8 SGR 1068.1 SG3 914.9
 RRT .5331 RRF .9808 RTF .5353
 SGB 1267.7 R23 .1905 R13 .9622
 SG1 1148.2 SG2 537.4 THA 65.47

ORBIT DETERMINATION ACCURACY

ST 210.0 SR 419.4 SS 642.9
 CRT -.2748 CRS -.9945 CST .1891
 LSA 768.2 MSA 207.1 SSA 19.8
 EL1 424.5 EL2 199.5 ALF 100.08

LAUNCH DATE JUN 23 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 344.215

RL 152.04 LAL .00 LOL 270.87 VL 27.027 GAL -3.75 AZL 91.51 HCA 154.51 SMA 130.71 ECC .17549 INC 1.5064 V1 29.302
 RP 107.91 LAP -.65 LOP 65.39 VP 38.007 GAP -1.09 AZP 88.64 TAL 198.14 TAP 352.65 RCA 107.77 APO 153.65 V2 35.119
 RC 85.546 GL -13.31 GP -24.24 ZAL 127.35 ZAP 80.79 ETS 4.24 ZAE 159.97 ETE 270.63 ZAC 104.66 ETC 9.31 CLP -79.89

PLANETOCENTRIC CONIC

C3 9.480 VHL 3.079 DLA 1.46 RAL 140.37 RAD 6567.3 VEL 11.440 PTH 1.98 VHP 3.185 DPA -13.50 RAP 158.51 ECC 1.1560
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 30 29 2096.70 -16.54 34.15 351.12 113.31 3 5 26 1496.7 -13.25 27.03
 90.00 14 50 9 4650.25 14.03 197.66 350.71 65.15 16 7 40 4050.2 10.56 190.69
 100.00 3 52 31 1832.13 -17.35 14.32 350.74 114.73 4 23 3 1232.1 -13.87 7.26
 100.00 16 10 49 4390.05 14.82 178.13 350.32 63.74 17 23 59 3790.0 11.17 171.24
 110.00 5 2 19 1613.65 -19.48 356.61 349.61 118.66 5 29 12 1013.7 -15.51 349.74
 110.00 17 17 31 4181.30 16.93 161.11 349.15 59.85 18 27 12 3581.3 12.79 154.44

DIFFERENTIAL CORRECTIONS

TDE .0320 TRA -.3627 TC3 -.8496 BAU .2537
 RDE -.2091 RRA -.1558 RC3-1.8125 FAU .18329
 FDE-1.0242 FRA-1.0989 FC-16.7384 BSP 4105
 BDE .2116 BRA .3948 BC3 2.0017 FSP -2910

MID-COURSE EXECUTION ACCURACY

SGT 856.2 SGR 1217.1 SG3 922.7
 RRT .7260 RRF .9878 RTF .7283
 SGB 1488.1 R23 .2038 R13 .9666
 SG1 1396.9 SG2 513.0 THA 58.15

ORBIT DETERMINATION ACCURACY

ST 211.7 SR 400.2 SS 557.5
 CRT -.0594 CRS -.9935 CST -.0364
 LSA 685.2 MSA 214.0 SSA 20.0
 EL1 400.4 EL2 211.2 ALF 92.49

LAUNCH DATE JUN 23 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 350.597

RL 152.04 LAL .00 LOL 270.87 VL 27.027 GAL -3.69 AZL 91.21 HCA 157.73 SMA 130.71 ECC .17512 INC 1.2137 V1 29.302
 RP 107.87 LAP -.46 LOP 68.60 VP 38.018 GAP -.65 AZP 88.88 TAL 197.89 TAP 355.62 RCA 107.82 APO 153.60 V2 35.131
 RC 87.767 GL -10.87 GP -27.42 ZAL 127.41 ZAP 86.06 ETS 2.26 ZAE 156.24 ETE 260.29 ZAC 107.31 ETC 7.59 CLP -85.56

PLANETOCENTRIC CONIC

C3 9.179 VHL 3.030 DLA 3.67 RAL 141.47 RAD 6567.3 VEL 11.427 PTH 1.98 VHP 3.227 DPA -15.55 RAP 155.12 ECC 1.1511
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 25 2159.06 -18.18 38.00 352.20 112.09 2 54 24 1559.1 -15.03 30.74
 90.00 15 10 59 4575.29 11.84 193.24 351.20 64.09 16 27 14 3975.3 8.26 186.39
 100.00 3 41 29 1891.16 -18.99 17.94 351.84 113.53 4 13 0 1291.2 -15.65 10.74
 100.00 16 30 37 4318.43 12.62 173.95 350.80 62.68 17 42 35 3718.4 8.86 167.18
 110.00 4 53 40 1665.24 -21.14 359.70 350.75 117.51 5 21 25 1065.2 -17.28 352.69
 110.00 17 34 55 4117.11 14.70 157.47 349.61 58.78 18 43 32 3517.1 10.46 150.94

DIFFERENTIAL CORRECTIONS

TDE .0243 TRA -1.3827 TC3-1.3170 BAU .3096
 RDE -.1820 RRA -.1521 RC3-2.1517 FAU .17848
 FDE -.7512 FRA -.9379 FC-16.8340 BSP 4970
 BDE .1836 BRA .4118 BC3 2.5227 FSP -2849

MID-COURSE EXECUTION ACCURACY

SGT 1079.3 SGR 1378.9 SG3 903.0
 RRT .8289 RRF .9923 RTF .8301
 SGB 1751.1 R23 .2000 R13 .9721
 SG1 1679.4 SG2 495.7 THA 53.31

ORBIT DETERMINATION ACCURACY

ST 223.7 SR 357.0 SS 431.6
 CRT .0493 CRS -.9898 CST -.1676
 LSA 559.5 MSA 224.2 SSA 21.4
 EL1 357.3 EL2 223.2 ALF 87.10

LAUNCH DATE JUN 23 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 356.957

RL 152.04 LAL .00 LOL 270.87 VL 27.023 GAL -3.62 AZL 90.83 HCA 160.96 SMA 130.69 ECC .17491 INC .8279 V1 29.302
 RP 107.83 LAP -.27 LOP 71.82 VP 38.026 GAP -.22 AZP 89.22 TAL 197.57 TAP 358.52 RCA 107.83 APO 153.54 V2 35.143
 RC 89.996 GL -7.51 GP -31.24 ZAL 127.36 ZAP 91.00 ETS 359.78 ZAE 151.42 ETE 253.16 ZAC 109.79 ETC 5.39 CLP -91.17

PLANETOCENTRIC CONIC

C3 8.878 VHL 2.980 DLA 6.70 RAL 142.99 RAD 6567.3 VEL 11.413 PTH 1.98 VHP 3.327 DPA -18.26 RAP 151.56 ECC 1.1461
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 1 32 2247.90 -20.36 43.60 353.94 110.11 2 39 0 1647.9 -17.44 36.15
 90.00 15 40 2 4473.60 8.75 187.37 352.19 62.96 16 54 36 3873.6 5.06 180.63
 100.00 3 26 4 1975.24 -21.19 23.21 353.60 111.59 3 58 59 1375.2 -18.07 15.81
 100.00 16 58 11 4221.50 9.53 168.41 351.77 61.53 18 8 32 3621.5 5.66 161.77
 110.00 4 41 37 1738.80 -23.38 4.23 352.57 115.68 5 10 36 1138.8 -19.73 356.99
 110.00 17 59 7 4030.70 11.59 152.70 350.54 57.62 19 6 18 3430.7 7.24 146.31

DIFFERENTIAL CORRECTIONS

TDE .0397 TRA -.3926 TC3-1.8276 BAU .3723
 RDE -.1378 RRA -.1412 RC3-2.5497 FAU .16863
 FDE -.4116 FRA -.7334 FC-16.4450 BSP 5992
 BDE .1434 BRA .4172 BC3 3.1370 FSP -2723

MID-COURSE EXECUTION ACCURACY

SGT 1330.3 SGR 1566.4 SG3 858.3
 RRT .8841 RRF .9954 RTF .8847
 SGB 2055.0 R23 .1882 R13 .9774
 SG1 1996.3 SG2 487.7 THA 50.26

ORBIT DETERMINATION ACCURACY

ST 242.7 SR 281.2 SS 271.9
 CRT -.0003 CRS -.9707 CST -.2023
 LSA 389.4 MSA 244.1 SSA 25.2
 EL1 281.2 EL2 242.7 ALF 90.06

LAUNCH DATE JUN 23 1967

FLIGHT TIME 130.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 363.295

RL 152.04 LAL .00 LOL 270.87 VL 27.016 GAL -3.54 AZL 90.29 HCA 164.18 SMA 130.64 ECC .17485 INC .2889 V1 29.302
 RP 107.80 LAP -.08 LOP 75.05 VP 38.031 GAP .20 AZP 89.72 TAL 197.16 TAP 1.34 RCA 107.79 APO 153.48 V2 35.154
 RC 92.232 GL -2.67 GP -36.03 ZAL 127.07 ZAP 95.39 ETS 356.63 ZAE 145.54 ETE 248.56 ZAC 111.96 ETC 2.53 CLP -96.67

PLANETOCENTRIC CONIC

C3 8.620 VHL 2.936 DLA 11.08 RAL 145.17 RAD 6567.3 VEL 11.402 PTH 1.97 VHP 3.512 DPA -21.93 RAP 147.72 ECC 1.1419
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 35 24 2384.29 -23.29 52.53 356.88 106.57 2 15 9 1784.3 -20.80 44.74
 90.00 16 23 31 4325.98 4.09 179.02 354.12 61.96 17 35 37 3726.0 .31 172.38
 100.00 3 2 19 2104.00 -24.17 31.61 356.58 108.14 3 37 23 1504.0 -21.47 23.86
 100.00 17 39 18 4081.50 4.90 160.60 353.68 60.48 18 47 19 3481.5 .94 154.06
 110.00 4 23 10 1851.01 -26.50 11.45 355.63 112.43 4 54 1 1251.0 -23.22 3.82
 110.00 18 34 56 3907.26 7.02 146.07 352.37 56.46 19 40 3 3307.3 2.56 139.82

DIFFERENTIAL CORRECTIONS

TDE .0947 TRA -.3840 TC3-2.3615 BAU .4386
 RDE -.0588 RRA -.1126 RC3-2.9844 FAU .15172
 FDE .0203 FRA -.4607 FC-15.2384 BSP 7062
 BDE .1115 BRA .4002 BC3 3.8057 FSP -2466

MID-COURSE EXECUTION ACCURACY

SGT 1593.8 SGR 1770.4 SG3 777.1
 RRT .9143 RRF .9973 RTF .9148
 SGB 2382.1 R23 .1765 R13 .9816
 SG1 2331.1 SG2 490.2 THA 48.28

ORBIT DETERMINATION ACCURACY

ST 297.3 SR 143.0 SS 117.2
 CRT -.0852 CRS -.5076 CST -.7096
 LSA 309.6 MSA 157.9 SSA 42.0
 EL1 297.6 EL2 142.3 ALF 176.96

LAUNCH DATE JUN 23 1967

FLIGHT TIME 132.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 369.610

RL 152.04 LAL .00 LOL 270.87 VL 27.005 GAL -3.45 AZL 89.49 HCA 167.40 SMA 130.56 ECC .17492 INC .5132 V1 29.302
 RP 107.77 LAP .11 LOP 78.27 VP 38.034 GAP .61 AZP 90.50 TAL 196.69 TAP 4.10 RCA 107.72 APO 153.40 V2 35.165
 RC 94.474 GL 4.74 GP -42.26 ZAL 126.19 ZAP 98.90 ETS 352.59 ZAE 138.36 ETE 245.84 ZAC 113.64 ETC 358.75 CLP-102.06

PLANETOCENTRIC CONIC

C3 8.548 VHL 2.924 DLA 17.81 RAL 148.48 RAD 6567.3 VEL 11.399 PTH 1.97 VHP 3.840 DPA -27.00 RAP 143.33 ECC 1.1407
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 47 42 2621.16 -26.91 68.91 2.30 99.15 1 31 24 2021.2 -25.37 60.58
 90.00 17 37 39 4085.93 -3.64 165.61 358.30 61.90 18 45 45 3485.9 -7.37 158.92
 100.00 2 19 30 2325.12 -27.98 46.92 2.08 100.96 2 58 16 1725.1 -26.19 38.58
 100.00 18 48 32 3857.20 -2.68 148.27 357.77 60.22 19 52 50 3257.2 -6.63 141.70
 110.00 3 50 40 2039.91 -30.73 24.51 1.33 105.77 4 24 40 1439.9 -28.26 16.18
 110.00 19 33 52 3715.18 -2.29 136.01 356.28 55.82 20 35 47 3115.2 -4.77 129.79

DIFFERENTIAL CORRECTIONS

TDE .2196 TRA -.3453 TC3-2.8627 BAU .5098
 RDE .0789 RRA -.0588 RC3-3.4212 FAU .12812
 FDE .5020 FRA -.1585 FC-12.9758 BSP 8278
 BDE .2333 BRA .3502 BC3 4.4609 FSP -2113

MID-COURSE EXECUTION ACCURACY

SGT 1868.7 SGR 2010.1 SG3 661.6
 RRT .9321 RRF .9985 RTF .9333
 SGB 2744.6 R23 .1630 R13 .9851
 SG1 2697.8 SG2 504.5 THA 47.24

ORBIT DETERMINATION ACCURACY

ST 482.8 SR 169.8 SS 336.6
 CRT .9427 CRS -.9831 CST -.9301
 LSA 602.5 MSA 107.1 SSA 26.1
 EL1 509.0 EL2 53.7 ALF 18.56

LAUNCH DATE JUN 23 1967

FLIGHT TIME 134.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 375.901

RL 152.04 LAL .00 LOL 270.87 VL 26.992 GAL -3.35 AZL 88.14 HCA 170.63 SMA 130.47 ECC .17512 INC 1.8589 V1 29.302
 RP 107.73 LAP .30 LOP 81.50 VP 38.034 GAP 1.01 AZP 91.83 TAL 196.15 TAP 6.77 RCA 107.62 APO 153.32 V2 35.175
 RC 96.719 GL 16.75 GP -50.73 ZAL 123.57 ZAP 100.98 ETS 347.35 ZAE 129.29 ETE 244.33 ZAC 114.46 ETC 353.61 CLP-107.51

PLANETOCENTRIC CONIC

C3 9.199 VHL 3.033 DLA 28.67 RAL 154.21 RAD 6567.3 VEL 11.428 PTH 1.98 VHP 4.465 OPA -34.12 RAP 137.71 ECC 1.1514
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.33 20 54 37 3493.69 -23.61 131.56 11.15 73.25 21 52 50 2893.7 -25.68 123.48
 94.67 22 12 29 3241.53 -23.60 113.09 11.15 73.24 23 6 30 2641.5 -25.67 105.01
 100.00 0 10 33 2874.38 -28.35 87.26 12.40 80.09 0 58 27 2274.4 -29.42 78.63
 100.00 21 43 10 3336.06 -19.03 118.25 9.35 66.51 22 38 46 2736.1 -22.05 110.75
 110.00 2 32 12 2430.90 -34.16 54.28 13.07 88.61 3 12 43 1830.9 -33.97 45.04
 110.00 21 38 0 3352.31 -13.85 116.66 6.53 58.43 22 33 52 2752.3 -17.93 109.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .4949 TRA -.2425 TC3-3.0851 BAU .5797 SGT 2156.1 SGR 2260.7 SG3 501.0 ST 949.6 SR 653.2 SS 730.9
 RDE .3435 RRA .0559 RC3-3.5645 FAU .09585 RRT .9417 RRF .9992 RTF .9447 CRT .9749 CRS -.9999 CST -.9748
 FDE .9975 FRA .1695 FC3-9.0202 BSP 9490 SGB 3124.0 R23 .1511 R13 .9877 LSA 1356.2 MSA 153.0 SSA 6.3
 BDE .6024 BRA .2488 BC3 4.7141 FSP -1605 SG1 3078.2 SG2 532.7 THA 46.44 EL1 1146.2 EL2 120.5 ALF 34.28

LAUNCH DATE JUN 23 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 382.160

RL 152.04 LAL .00 LOL 270.87 VL 26.975 GAL -3.24 AZL 85.40 HCA 173.84 SMA 130.36 ECC .17542 INC 4.5971 V1 29.302
 RP 107.70 LAP .49 LOP 84.72 VP 38.031 GAP 1.39 AZP 94.57 TAL 195.53 TAP 9.37 RCA 107.49 APO 153.22 V2 35.185
 RC 98.967 GL 36.25 GP -62.72 ZAL 116.38 ZAP 100.72 ETS 340.25 ZAE 117.16 ETE 242.82 ZAC 113.79 ETC 346.19 CLP-113.95

PLANETOCENTRIC CONIC

C3 13.325 VHL 3.650 DLA 45.66 RAL 166.51 RAD 6567.5 VEL 11.607 PTH 2.03 VHP 5.901 OPA -44.12 RAP 128.86 ECC 1.2193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.55 18 30 24 4155.43 -33.99 189.12 35.32 57.45 19 39 39 3555.4 -38.00 180.97
 127.45 2 18 47 2732.18 -33.98 78.62 35.31 57.44 3 4 20 2132.2 -37.99 70.48
 52.55 18 30 24 4155.43 -33.99 189.12 35.32 57.45 19 39 39 3555.4 -38.00 180.97
 127.45 2 18 47 2732.18 -33.98 78.62 35.31 57.44 3 4 20 2132.2 -37.99 70.48
 52.55 18 30 24 4155.43 -33.99 189.12 35.32 57.45 19 39 39 3555.4 -38.00 180.97
 127.45 2 18 47 2732.18 -33.98 78.62 35.31 57.44 3 4 20 2132.2 -37.99 70.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.1530 TRA .0229 TC3-2.3978 BAU .6361 SGT 2518.4 SGR 2453.3 SG3 304.6 ST 1810.5 SR 1354.9 SS 1054.1
 RDE .8518 RRA .3147 RC3-2.6460 FAU .05675 RRT .9448 RRF .9991 RTF .9532 CRT .9889 CRS -.9999 CST -.9905
 FDE 1.3021 FRA .4465 FC3-3.6869 BSP 10784 SGB 3515.8 R23 .1428 R13 .9892 LSA 2488.4 MSA 180.7 SSA 2.3
 BDE 1.4335 BRA .3155 BC3 3.5708 FSP -994 SG1 3467.0 SG2 583.6 THA 44.21 EL1 2255.6 EL2 161.8 ALF 36.72

LAUNCH DATE JUN 23 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 388.352

RL 152.04 LAL .00 LOL 270.87 VL 26.957 GAL -3.10 AZL 76.82 HCA 177.01 SMA 130.23 ECC .17580 INC13.1774 V1 29.302
 RP 107.67 LAP .68 LOP 87.95 VP 38.027 GAP 1.76 AZP 103.16 TAL 194.82 TAP 11.83 RCA 107.33 APO 153.12 V2 35.195
 RC 101.218 GL 60.56 GP -80.39 ZAL 102.77 ZAP 96.99 ETS 322.69 ZAE 99.10 ETE 231.21 ZAC 110.80 ETC 327.08 CLP-136.76

PLANETOCENTRIC CONIC

C3 49.657 VHL 7.047 DLA 62.16 RAL 198.71 RAD 6568.8 VEL 13.077 PTH 2.39 VHP 10.940 OPA -57.16 RAP 107.88 ECC 1.8172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.04 19 38 3 4608.14 -25.98 228.76 93.81 31.30 20 54 51 4008.1 -32.73 224.25
 147.96 5 28 2 2917.34 -25.97 88.90 93.79 31.30 6 16 39 2317.3 -32.72 84.38
 32.04 19 38 3 4608.14 -25.98 228.76 93.81 31.30 20 54 51 4008.1 -32.73 224.25
 147.96 5 28 2 2917.34 -25.97 88.90 93.79 31.30 6 16 39 2317.3 -32.72 84.38
 32.04 19 38 3 4608.14 -25.98 228.76 93.81 31.30 20 54 51 4008.1 -32.73 224.25
 147.96 5 28 2 2917.34 -25.97 88.90 93.79 31.30 6 16 39 2317.3 -32.72 84.38

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.9186 TRA 1.2315 TC3 -.6284 BAU .5233 SGT 3318.5 SGR 1957.1 SG3 123.7 ST 2458.8 SR 916.8 SS 803.6
 RDE .9438 RRA .9597 RC3 -.4759 FAU .01715 RRT .9234 RRF .9848 RTF .9755 CRT .9511 CRS -.9854 CSI -.9898
 FDE .9597 FRA .6456 FC3 -.2990 BSP 11303 SGB 3852.6 R23 .1226 R13 .9922 LSA 2730.2 MSA 279.0 SSA .9
 BDE 3.0674 BRA 1.5613 BC3 .7883 FSP -389 SG1 3796.2 SG2 656.6 THA 29.54 EL1 2610.6 EL2 266.7 ALF 19.74

LAUNCH DATE JUN 23 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 395.327

RL 152.04 LAL .00 LOL 270.87 VL 26.936 GAL -3.11 AZL 159.79 HCA 180.93 SMA 130.08 ECC .17708 INC69.7830 V1 29.302
 RP 107.65 LAP .87 LOP 91.19 VP 38.020 GAP 2.34 AZP 20.21 TAL 194.72 TAP 15.65 RCA 107.05 APO 153.12 V2 35.204
 RC 103.470 GL -51.51 GP 59.98 ZAL 92.77 ZAP 92.43 ETS 177.88 ZAE 57.76 ETE 265.30 ZAC 82.93 ETC 165.80 CLP 94.85

PLANETOCENTRIC CONIC

C31039.815 VHL 32.246 DLA -44.64 RAL 150.80 RAD 6573.0 VEL 34.075 PTH 3.51 VHP 40.235 OPA 51.60 RAP 331.62 ECC18.1127
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.93 5 34 45 2261.09 -.38 57.33 61.17 134.64 6 12 26 1661.1 5.23 52.04
 126.07 13 9 4 864.20 -.37 309.29 61.19 134.64 13 23 28 264.2 5.25 304.00
 53.93 5 34 45 2261.09 -.38 57.33 61.17 134.64 6 12 26 1661.1 5.23 52.04
 126.07 13 9 4 864.20 -.37 309.29 61.19 134.64 13 23 28 264.2 5.25 304.00
 53.93 5 34 45 2261.09 -.38 57.33 61.17 134.64 6 12 26 1661.1 5.23 52.04
 126.07 13 9 4 864.20 -.37 309.29 61.19 134.64 13 23 28 264.2 5.25 304.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 4.9353 TRA 2.5885 TC3 -.0974 BAU 3.5447 SGT 1257.6 SGR 3188.7 SG3 58.1 ST 898.3 SR 2789.1 SS 2079.2
 RD-15.6869 RRA-1.1934 RC3 .2356 FAU-.05643 RRT -.8957 RRF .9994 RTF -.8858 CRT -.9828 CRS-1.0000 CST -.9818
 FDE-3.3646 FRA -.2125 FC3 .0470 BSP 5733 SGB 3427.7 R23 -.0775 R13 .9967 LSA 3589.3 MSA 162.6 SSA 1.7
 BDE16.4450 BRA 2.8503 BC3 .2550 FSP -103 SG1 3387.0 SG2 526.5 THA 109.96 EL1 2925.9 EL2 158.0 ALF 107.62

LAUNCH DATE JUN 23 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 401.056

RL 152.04 LAL .00 LOL 270.87 VL 26.912 GAL -2.87 AZL 106.50 HCA 183.71 SMA 129.92 ECC .17726 INC16.5031 V1 29.302
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.011 GAP 2.57 AZP 73.53 TAL 193.54 TAP 17.24 RCA 106.89 APO 152.95 V2 35.212
 RC 105.723 GL -63.45 GP 73.69 ZAL 99.76 ZAP 101.77 ETS 52.35 ZAE 99.42 ETE 142.16 ZAC 85.98 ETC 46.53 CLP-136.54

PLANETOCENTRIC CONIC

C3 72.861 VHL 8.536 DLA -49.09 RAL 129.46 RAD 6569.4 VEL 13.936 PTH 2.54 VHP 9.064 DPA 74.14 RAP 236.00 ECC 2.1991
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 48.06 3 48 44 1962.92 17.42 47.64 23.66 136.66 4 21 27 1362.9 23.14 42.10
 131.94 12 4 50 5748.79 17.44 267.48 23.68 136.65 13 40 38 5148.8 23.16 261.93
 48.06 3 48 44 1962.92 17.42 47.64 23.66 136.66 4 21 27 1362.9 23.14 42.10
 131.94 12 4 50 5748.79 17.44 267.48 23.68 136.65 13 40 38 5148.8 23.16 261.93
 48.06 3 48 44 1962.92 17.42 47.64 23.66 136.66 4 21 27 1362.9 23.14 42.10
 131.94 12 4 50 5748.79 17.44 267.48 23.68 136.65 13 40 38 5148.8 23.16 261.93

DIFFERENTIAL CORRECTIONS

TDE-4.2245 TRA-2.1192 TC3 -.4171 BAU .4371
 RDE 2.3342 RRA .3105 RC3 .1655 FAU .02053
 FDE-2.5303 FRA -.8053 FC3 -.2439 BSP 12295
 BDE 4.8265 BRA 2.1419 BC3 .4488 FSP -.523

MID-COURSE EXECUTION ACCURACY

SGT 3642.3 SGR 1623.6 SG3 167.1
 RRT -.9022 RRF -.9687 RTF .9805
 SGB 3987.8 R23 .1277 R13 -.9915
 SG1 3934.8 SG2 648.1 THA 157.45

ORBIT DETERMINATION ACCURACY

ST 2909.6 SR 1569.7 SS 1344.2
 CRT -.9864 CRS .9965 CST -.9967
 LSA 3561.2 MSA 234.0 SSA 1.1
 EL1 3298.2 EL2 227.5 ALF 151.83

LAUNCH DATE JUN 23 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 407.211

RL 152.04 LAL .00 LOL 270.87 VL 26.887 GAL -2.71 AZL 100.32 HCA 186.90 SMA 129.75 ECC .17798 INC10.3155 V1 29.302
 RP 107.60 LAP 1.23 LOP 97.66 VP 38.001 GAP 2.92 AZP 79.76 TAL 192.68 TAP 19.58 RCA 106.66 APO 152.84 V2 35.220
 RC 107.975 GL -56.46 GP 55.61 ZAL 103.72 ZAP 111.41 ETS 37.09 ZAE 114.96 ETE 133.68 ZAC 93.10 ETC 33.11 CLP-130.27

PLANETOCENTRIC CONIC

C3 33.293 VHL 5.770 DLA -42.33 RAL 132.82 RAD 6568.3 VEL 12.436 PTH 2.25 VHP 5.668 DPA 64.31 RAP 189.57 ECC 1.5479
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.12 4 35 48 1682.35 23.63 27.45 14.09 126.20 5 3 50 1082.4 28.18 20.55
 122.88 11 44 35 5641.71 23.64 263.43 14.11 126.19 13 18 37 5041.7 28.19 256.52
 57.12 4 35 48 1682.35 23.63 27.45 14.09 126.20 5 3 50 1082.4 28.18 20.55
 122.88 11 44 35 5641.71 23.64 263.43 14.11 126.19 13 18 37 5041.7 28.19 256.52
 57.12 4 35 48 1682.35 23.63 27.45 14.09 126.20 5 3 50 1082.4 28.18 20.55
 122.88 11 44 35 5641.71 23.64 263.43 14.11 126.19 13 18 37 5041.7 28.19 256.52

DIFFERENTIAL CORRECTIONS

TDE-2.4918 TRA-1.4706 TC3-1.2018 BAU .6008
 RDE 1.6399 RRA .3916 RC3 .6145 FAU .05582
 FDE-3.3369 FRA-1.0355 FC3-1.4515 BSP 12111
 BDE 2.9830 BRA 1.5218 BC3 1.3498 FSP -1086

MID-COURSE EXECUTION ACCURACY

SGT 3456.4 SGR 1852.3 SG3 342.6
 RRT -.9452 RRF -.9960 RTF .9682
 SGB 3921.5 R23 .1775 R13 -.9835
 SG1 3884.4 SG2 538.3 THA 152.57

ORBIT DETERMINATION ACCURACY

ST 2544.7 SR 1636.1 SS 1635.6
 CRT -.9904 CRS .9996 CST -.9940
 LSA 3432.4 MSA 214.9 SSA 1.7
 EL1 3019.3 EL2 190.4 ALF 147.36

LAUNCH DATE JUN 23 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 413.378

RL 152.04 LAL .00 LOL 270.87 VL 26.861 GAL -2.54 AZL 98.04 HCA 190.12 SMA 129.57 ECC .17884 INC 8.0436 V1 29.302
 RP 107.58 LAP 1.41 LOP 100.89 VP 37.988 GAP 3.28 AZP 82.08 TAL 191.79 TAP 21.92 RCA 106.40 APO 152.74 V2 35.227
 RC 110.226 GL -51.18 GP 42.89 ZAL 105.51 ZAP 119.22 ETS 32.75 ZAE 124.11 ETE 138.51 ZAC 98.44 ETC 29.93 CLP-131.77

PLANETOCENTRIC CONIC

C3 23.224 VHL 4.819 DLA -37.73 RAL 136.20 RAD 6567.9 VEL 12.025 PTH 2.15 VHP 4.694 DPA 53.79 RAP 175.25 ECC 1.3822
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 63.96 5 20 43 1504.05 24.48 12.97 10.13 119.65 5 45 47 904.0 28.23 5.50
 116.04 11 26 41 5640.80 24.50 263.95 10.14 119.64 13 0 42 5040.8 28.24 256.48
 63.96 5 20 43 1504.05 24.48 12.97 10.13 119.65 5 45 47 904.0 28.23 5.50
 116.04 11 26 41 5640.80 24.50 263.95 10.14 119.64 13 0 42 5040.8 28.24 256.48
 63.96 5 20 43 1504.05 24.48 12.97 10.13 119.65 5 45 47 904.0 28.23 5.50
 116.04 11 26 41 5640.80 24.50 263.95 10.14 119.64 13 0 42 5040.8 28.24 256.48

DIFFERENTIAL CORRECTIONS

TDE-2.0671 TRA-1.2483 TC3-1.9204 BAU .6421
 RDE 1.0809 RRA .2461 RC3 .7671 FAU .08247
 FDE-3.7013 FRA-1.0603 FC3-3.0743 BSP 12234
 BDE 2.3327 BRA 1.2723 BC3 2.0680 FSP -1551

MID-COURSE EXECUTION ACCURACY

SGT 3603.8 SGR 1528.1 SG3 478.6
 RRT -.9481 RRF -.9966 RTF .9663
 SGB 3914.4 R23 .2069 R13 -.9772
 SG1 3888.4 SG2 450.3 THA 157.78

ORBIT DETERMINATION ACCURACY

ST 2521.9 SR 1290.1 SS 1795.4
 CRT -.9903 CRS .9998 CST -.9932
 LSA 3347.4 MSA 208.0 SSA 2.4
 EL1 2828.3 EL2 159.5 ALF 153.04

LAUNCH DATE JUN 23 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 419.540

RL 152.04 LAL .00 LOL 270.87 VL 26.832 GAL -2.36 AZL 96.86 HCA 193.36 SMA 129.38 ECC .17982 INC 6.8618 V1 29.302
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.974 GAP 3.63 AZP 83.32 TAL 190.87 TAP 24.23 RCA 106.11 APO 152.64 V2 35.233
 RC 112.475 GL -47.43 GP 33.97 ZAL 106.06 ZAP 125.28 ETS 29.66 ZAE 129.23 ETE 144.74 ZAC 101.95 ETC 27.65 CLP-134.14

PLANETOCENTRIC CONIC

C3 18.917 VHL 4.349 DLA -34.70 RAL 139.10 RAD 6567.8 VEL 11.845 PTH 2.10 VHP 4.346 DPA 45.76 RAP 169.10 ECC 1.3113
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.05 5 59 58 1372.53 24.17 2.25 8.70 115.70 6 22 50 772.5 27.42 354.54
 110.95 11 10 33 5673.91 24.18 266.42 8.70 115.69 12 45 7 5073.9 27.43 258.72
 69.05 5 59 58 1372.53 24.17 2.25 8.70 115.70 6 22 50 772.5 27.42 354.54
 110.95 11 10 33 5673.91 24.18 266.42 8.70 115.69 12 45 7 5073.9 27.43 258.72
 69.05 5 59 58 1372.53 24.17 2.25 8.70 115.70 6 22 50 772.5 27.42 354.54
 110.95 11 10 33 5673.91 24.18 266.42 8.70 115.69 12 45 7 5073.9 27.43 258.72

DIFFERENTIAL CORRECTIONS

TDE-1.8531 TRA-1.0865 TC3-2.4643 BAU .6479
 RDE .7405 RRA .1313 RC3 .7005 FAU .09249
 FDE-3.6022 FRA -.8461 FC3-4.2328 BSP 11526
 BDE 1.9956 BRA 1.0945 BC3 2.5620 FSP -1617

MID-COURSE EXECUTION ACCURACY

SGT 3685.9 SGR 1169.3 SG3 532.0
 RRT -.9406 RRF -.9942 RTF .9622
 SGB 3866.9 R23 .2338 R13 -.9696
 SG1 3848.1 SG2 380.1 THA 163.22

ORBIT DETERMINATION ACCURACY

ST 2497.2 SR 977.7 SS 1789.0
 CRT -.9893 CRS .9998 CST -.9922
 LSA 3217.1 MSA 206.1 SSA 3.3
 EL1 2678.5 EL2 132.9 ALF 158.77

LAUNCH DATE JUN 23 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 425.681

RL 152.04 LAL .00 LOL 270.87 VL 26.802 GAL -2.17 AZL 96.13 HCA 196.60 SMA 129.17 ECC .18091 INC 6.1344 V1 29.302
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.958 GAP 3.98 AZP 84.12 TAL 189.91 TAP 26.51 RCA 105.81 APO 152.54 V2 35.239
 RC 114.720 GL -44.67 GP 27.61 ZAL 105.89 ZAP 130.09 ETS 27.19 ZAE 131.88 ETE 150.57 ZAC 104.10 ETC 25.73 CLP-136.62

PLANETOCENTRIC CONIC

C3 16.576 VHL 4.071 DLA -32.68 RAL 141.70 RAD 6567.7 VEL 11.746 PTH 2.07 VHP 4.235 DPA 39.80 RAP 165.98 ECC 1.2728
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.95 6 34 22 1268.11 23.69 353.90 8.54 113.21 6 55 30 668.1 26.62 346.10
 107.05 10 56 51 5716.93 23.70 269.52 8.55 113.20 12 32 8 5116.9 26.63 261.71
 72.95 6 34 22 1268.11 23.69 353.90 8.54 113.21 6 55 30 668.1 26.62 346.10
 107.05 10 56 51 5716.93 23.70 269.52 8.55 113.20 12 32 8 5116.9 26.63 261.71
 110.00 9 58 50 607.84 17.35 302.03 5.16 119.92 10 8 58 7.8 21.20 295.01
 110.00 12 31 34 5425.20 30.36 249.70 11.25 106.52 14 1 59 4825.2 32.32 241.03

DIFFERENTIAL CORRECTIONS

TDE-1.7785 TRA-1.0065 TC3-3.0166 BAU .6826
 RDE .5584 RRA .0837 RC3 .6236 FAU .09984
 FDE-3.4765 FRA -.7096 FC3-5.2142 BSP 12249
 BDE 1.8641 BRA 1.0100 BC3 3.0804 FSP -1800

MID-COURSE EXECUTION ACCURACY

SGT 3889.8 SGR 946.0 SG3 569.0
 RRT -.9374 RRF -.9898 RTF .9631
 SGB 4003.2 R23 .2319 R13 -.9675
 SG1 3990.3 SG2 321.0 THA 167.07

ORBIT DETERMINATION ACCURACY

ST 2554.4 SR 787.1 SS 1795.3
 CRT -.9894 CRS .9998 CST -.9920
 LSA 3213.5 MSA 201.8 SSA 4.3
 EL1 2670.6 EL2 109.5 ALF 163.02

LAUNCH DATE JUN 23 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 431.808

RL 152.04 LAL .00 LOL 270.87 VL 26.771 GAL -1.97 AZL 95.64 HCA 199.84 SMA 128.97 ECC .18210 INC 5.6391 V1 29.302
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.941 GAP 4.32 AZP 84.69 TAL 188.92 TAP 28.75 RCA 105.48 APO 152.45 V2 35.244
 RC 116.961 GL -42.55 GP 22.96 ZAL 105.21 ZAP 134.05 ETS 25.16 ZAE 133.11 ETE 155.50 ZAC 105.30 ETC 24.08 CLP-139.03

PLANETOCENTRIC CONIC

C3 15.116 VHL 3.888 DLA -31.34 RAL 144.15 RAD 6567.6 VEL 11.683 PTH 2.05 VHP 4.230 DPA 35.27 RAP 164.36 ECC 1.2488
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.97 7 4 29 1183.70 23.29 347.31 9.14 111.59 7 24 13 583.7 26.02 339.44
 104.03 10 46 18 5759.53 23.31 272.59 9.15 111.57 12 22 18 5159.5 26.03 264.72
 75.97 7 4 29 1183.70 23.29 347.31 9.14 111.59 7 24 13 583.7 26.02 339.44
 104.03 10 46 18 5759.53 23.31 272.59 9.15 111.57 12 22 18 5159.5 26.03 264.72
 110.00 9 40 11 677.85 14.93 306.01 4.76 121.11 9 51 29 77.9 18.94 299.19
 110.00 13 9 47 5313.37 32.24 241.53 12.19 102.03 14 38 20 4713.4 33.56 232.55

DIFFERENTIAL CORRECTIONS

TDE-1.7376 TRA -.9250 TC3-3.4766 BAU .7101
 RDE .4380 RRA .0500 RC3 .5111 FAU .10039
 FDE-3.2609 FRA -.5247 FC3-5.7496 BSP 12679
 BDE 1.7920 BRA .9264 BC3 3.5140 FSP -1824

MID-COURSE EXECUTION ACCURACY

SGT 4051.3 SGR 762.9 SG3 572.5
 RRT -.9269 RRF -.9806 RTF .9625
 SGB 4122.5 R23 .2240 R13 -.9653
 SG1 4112.8 SG2 282.0 THA 170.05

ORBIT DETERMINATION ACCURACY

ST 2606.4 SR 646.1 SS 1759.8
 CRT -.9895 CRS .9998 CST -.9918
 LSA 3204.4 MSA 198.5 SSA 5.4
 EL1 2683.7 EL2 90.8 ALF 166.20

LAUNCH DATE JUN 23 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 437.918

RL 152.04 LAL .00 LOL 270.87 VL 26.739 GAL -1.76 AZL 95.28 HCA 203.08 SMA 128.75 ECC .18342 INC 5.2780 V1 29.302
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.922 GAP 4.66 AZP 85.14 TAL 187.88 TAP 30.96 RCA 105.13 APO 152.36 V2 35.248
 RC 119.197 GL -40.86 GP 19.47 ZAL 104.18 ZAP 137.41 ETS 23.50 ZAE 133.54 ETE 159.51 ZAC 105.82 ETC 22.66 CLP-141.34

PLANETOCENTRIC CONIC

C3 14.124 VHL 3.758 DLA -30.46 RAL 146.55 RAD 6567.6 VEL 11.641 PTH 2.04 VHP 4.282 DPA 31.72 RAP 163.62 ECC 1.2325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.27 7 30 34 1116.45 23.04 342.14 10.24 110.51 7 49 11 516.5 25.62 334.25
 101.73 10 39 22 5796.63 23.05 275.27 10.24 110.49 12 15 58 5196.6 25.63 267.37
 78.27 7 30 34 1116.45 23.04 342.14 10.24 110.51 7 49 11 516.5 25.62 334.25
 101.73 10 39 22 5796.63 23.05 275.27 10.24 110.49 12 15 58 5196.6 25.63 267.37
 110.00 9 34 54 711.47 13.74 307.89 5.45 121.61 9 46 45 111.5 17.82 301.15
 110.00 13 34 13 5249.61 33.04 236.73 13.25 99.29 15 1 42 4649.6 33.97 227.61

DIFFERENTIAL CORRECTIONS

TDE-1.7222 TRA -.8451 TC3-3.8771 BAU .7360
 RDE .3585 RRA .0294 RC3 .3981 FAU .09780
 FDE-3.0369 FRA -.3436 FC3-5.9942 BSP 13066
 BDE 1.7591 BRA .8456 BC3 3.8975 FSP -1788

MID-COURSE EXECUTION ACCURACY

SGT 4197.6 SGR 625.3 SG3 560.6
 RRT -.9086 RRF -.9638 RTF .9617
 SGB 4243.9 R23 .2074 R13 -.9634
 SG1 4236.0 SG2 258.8 THA 172.26

ORBIT DETERMINATION ACCURACY

ST 2664.9 SR 546.8 SS 1714.8
 CRT -.9900 CRS .9999 CST -.9916
 LSA 3209.9 MSA 195.0 SSA 6.4
 EL1 2719.4 EL2 75.6 ALF 168.51

LAUNCH DATE JUN 23 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 444.011

RL 152.04 LAL .00 LOL 270.87 VL 26.706 GAL -1.54 AZL 95.00 HCA 206.32 SMA 128.53 ECC .18484 INC 5.0016 V1 29.302
 RP 107.50 LAP 2.22 LOP 117.11 VP 37.902 GAP 5.00 AZP 85.51 TAL 186.81 TAP 33.14 RCA 104.77 APO 152.29 V2 35.252
 RC 121.426 GL -39.45 GP 16.78 ZAL 102.88 ZAP 140.34 ETS 22.12 ZAE 133.51 ETE 162.73 ZAC 105.86 ETC 21.43 CLP-143.52

PLANETOCENTRIC CONIC

C3 13.416 VHL 3.663 DLA -29.92 RAL 148.95 RAD 6567.5 VEL 11.610 PTH 2.03 VHP 4.366 DPA 28.85 RAP 163.45 ECC 1.2208
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.92 7 52 30 1065.89 22.90 338.32 11.70 109.80 8 10 16 465.9 25.39 330.40
 100.08 10 36 35 5824.68 22.91 277.31 11.70 109.78 12 13 40 5224.7 25.40 269.39
 79.92 7 52 30 1065.89 22.90 338.32 11.70 109.80 8 10 16 465.9 25.39 330.40
 100.08 10 36 35 5824.68 22.91 277.31 11.70 109.78 12 13 40 5224.7 25.40 269.39
 110.00 9 36 9 727.93 13.15 308.80 6.75 121.84 9 48 16 127.9 17.26 302.10
 110.00 13 52 7 5210.64 33.43 233.75 14.60 97.57 15 18 58 4610.6 34.12 224.58

DIFFERENTIAL CORRECTIONS

TDE-1.7258 TRA -.7654 TC3-4.2395 BAU .7623
 RDE .3051 RRA .0178 RC3 .2963 FAU .09396
 FDE-2.8306 FRA -.1799 FC3-6.0630 BSP 13495
 BDE 1.7526 BRA .7656 BC3 4.2498 FSP -1735

MID-COURSE EXECUTION ACCURACY

SGT 4340.7 SGR 525.4 SG3 542.6
 RRT -.8802 RRF -.9360 RTF .9610
 SGB 4372.3 R23 .1841 R13 -.9621
 SG1 4365.3 SG2 247.9 THA 173.90

ORBIT DETERMINATION ACCURACY

ST 2732.8 SR 477.5 SS 1671.4
 CRT -.9911 CRS .9999 CST -.9915
 LSA 3233.1 MSA 191.2 SSA 7.5
 EL1 2773.5 EL2 62.7 ALF 170.17

LAUNCH DATE JUN 23 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 450.085

RL 152.04 LAL .00 LOL 270.87 VL 26.672 GAL -1.31 AZL 94.78 HCA 209.57 SMA 128.30 ECC .18639 INC 4.7821 V1 29.302
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.881 GAP 5.34 AZP 85.84 TAL 185.71 TAP 35.28 RCA 104.39 APO 152.21 V2 35.255
 RC 123.648 GL -38.24 GP 14.65 ZAL 101.35 ZAP 142.95 ETS 20.98 ZAE 133.24 ETE 165.31 ZAC 105.51 ETC 20.36 CLP-145.59

PLANETOCENTRIC CONIC

C3 12.897 VHL 3.591 DLA -29.62 RAL 151.39 RAD 6567.5 VEL 11.588 PTH 2.03 VHP 4.471 DPA 26.45 RAP 163.70 ECC 1.2123
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.94 8 10 7 1032.16 22.87 335.80 13.46 109.34 8 27 19 432.2 25.30 327.87
 99.06 10 38 26 5841.34 22.88 278.53 13.46 109.33 12 15 48 5241.3 25.31 270.60
 100.00 10 11 25 639.72 20.42 306.03 12.45 112.32 10 22 5 39.7 23.27 298.39
 100.00 11 19 49 5709.00 25.38 269.59 14.34 106.34 12 54 58 5109.0 27.38 261.36
 110.00 9 41 30 734.05 12.93 309.13 8.45 121.92 9 53 44 134.1 17.06 302.46
 110.00 14 6 14 5187.44 33.63 231.97 16.26 96.53 15 32 41 4587.4 34.17 222.77

DIFFERENTIAL CORRECTIONS

TDE-1.7418 TRA -.6813 TC3-4.5638 BAU .7877
 RDE .2685 RRA -.0117 RC3 .2065 FAU .08943
 FDE-2.6430 FRA -.0293 FC3-6.0034 BSP 13917
 BDE 1.7624 BRA .6814 BC3 4.5685 FSP -1670

MID-COURSE EXECUTION ACCURACY

SGT 4475.6 SGR 453.9 SG3 521.1
 RRT -.8387 RRF -.8940 RTF .9602
 SGB 4498.5 R23 .1584 R13 -.9610
 SG1 4491.8 SG2 246.3 THA 175.12

ORBIT DETERMINATION ACCURACY

ST 2805.9 SR 428.5 SS 1629.7
 CRT -.9926 CRS .9997 CST -.9915
 LSA 3267.6 MSA 187.2 SSA 8.6
 EL1 2837.9 EL2 51.4 ALF 171.38

LAUNCH DATE JUN 23 1967

FLIGHT TIME 160.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 456.142

RL 152.04 LAL .00 LOL 270.87 VL 26.636 GAL -1.06 AZL 94.60 HCA 212.82 SMA 128.07 ECC .18806 INC 4.6023 V1 29.302
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.858 GAP 5.68 AZP 86.13 TAL 184.58 TAP 37.40 RCA 103.99 APO 152.15 V2 35.257
 RC 125.861 GL -37.16 GP 12.95 ZAL 99.63 ZAP 145.31 ETS 20.03 ZAE 132.85 ETE 167.39 ZAC 104.88 ETC 19.42 CLP-147.53

PLANETOCENTRIC CONIC

C3 12.514 VHL 3.538 DLA -29.50 RAL 153.89 RAD 6567.5 VEL 11.572 PTH 2.02 VHP 4.591 DPA 24.39 RAP 164.25 ECC 1.2059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.38 8 23 31 1014.75 22.93 334.53 15.48 109.08 8 40 26 414.7 25.32 326.59
 98.62 10 45 0 5845.83 22.94 278.88 15.48 109.07 12 22 26 5245.8 25.33 270.93
 100.00 10 14 40 654.89 20.02 306.98 14.29 112.67 10 25 35 54.9 22.92 299.39
 100.00 11 36 32 5680.92 25.91 267.67 16.49 105.46 13 11 13 5080.9 27.78 259.37
 110.00 9 49 47 733.30 12.96 309.09 10.49 121.91 10 2 1 133.3 17.08 302.41
 110.00 14 17 54 5175.28 33.72 231.03 18.20 95.99 15 44 9 4575.3 34.18 221.82

DIFFERENTIAL CORRECTIONS

TDE-1.7675 TRA -.5930 TC3-4.8532 BAU .8122
 RDE .2434 RRA .0095 RC3 .1288 FAU .08464
 FDE-2.4753 FRA .1039 FC3-5.8554 BSP 14321
 BDE 1.7842 BRA .5931 BC3 4.8549 FSP -1599

MID-COURSE EXECUTION ACCURACY

SGT 4604.7 SGR 405.0 SG3 498.4
 RRT -.7834 RRF -.8366 RTF .9596
 SGB 4622.5 R23 .1329 R13 -.9601
 SG1 4615.6 SG2 251.1 THA 176.05

ORBIT DETERMINATION ACCURACY

ST 2883.6 SR 394.3 SS 1591.0
 CRT -.9944 CRS .9993 CST -.9916
 LSA 3311.9 MSA 182.5 SSA 9.7
 EL1 2910.2 EL2 41.2 ALF 172.26

LAUNCH DATE JUN 23 1967

FLIGHT TIME 162.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 462.180

RL 152.04 LAL .00 LOL 270.87 VL 26.601 GAL -.80 AZL 94.45 HCA 216.06 SMA 127.83 ECC .18986 INC 4.4517 V1 29.302
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.834 GAP 6.01 AZP 86.40 TAL 183.42 TAP 39.49 RCA 103.56 APO 152.11 V2 35.258
 RC 128.066 GL -36.17 GP 11.56 ZAL 97.75 ZAP 147.46 ETS 19.24 ZAE 132.40 ETE 169.08 ZAC 104.02 ETC 18.58 CLP-149.37

PLANETOCENTRIC CONIC

C3 12.238 VHL 3.498 DLA -29.51 RAL 156.47 RAD 6567.5 VEL 11.560 PTH 2.02 VHP 4.720 DPA 22.57 RAP 165.04 ECC 1.2014
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.32 8 33 17 1011.68 23.05 334.35 17.73 108.96 8 50 8 411.7 25.42 326.39
 98.68 10 55 49 5839.41 23.06 278.45 17.73 108.95 12 33 8 5239.4 25.43 270.49
 100.00 10 25 52 647.21 20.23 306.50 16.58 112.49 10 36 40 47.2 23.10 298.88
 100.00 11 45 54 5679.12 25.94 267.55 18.71 105.40 13 20 33 5079.1 27.80 259.24
 110.00 10 0 19 727.73 13.16 308.79 12.80 121.84 10 12 27 127.7 17.27 302.09
 110.00 14 27 56 5171.37 33.75 230.73 20.39 95.81 15 54 8 4571.4 34.18 221.51

DIFFERENTIAL CORRECTIONS

TDE-1.7987 TRA -.4958 TC3-5.1045 BAU .8352
 RDE .2261 RRA .0095 RC3 .0619 FAU .07971
 FDE-2.3224 FRA .2299 FC3-5.6392 BSP 14678
 BDE 1.8129 BRA .4959 BC3 5.1048 FSP -1520

MID-COURSE EXECUTION ACCURACY

SGT 4722.7 SGR 373.3 SG3 475.0
 RRT -.7160 RRF -.7659 RTF .9588
 SGB 4737.4 R23 .1107 R13 -.9591
 SG1 4730.3 SG2 260.2 THA 176.75

ORBIT DETERMINATION ACCURACY

ST 2961.2 SR 370.4 SS 1553.0
 CRT -.9962 CRS .9984 CST -.9917
 LSA 3359.4 MSA 178.1 SSA 10.8
 EL1 2984.1 EL2 31.8 ALF 172.90

LAUNCH DATE JUN 23 1967

FLIGHT TIME 164.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 468.200

RL 152.04 LAL .00 LOL 270.87 VL 26.564 GAL -.53 AZL 94.32 HCA 219.31 SMA 127.60 ECC .19179 INC 4.3228 V1 29.302
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.809 GAP 6.35 AZP 86.65 TAL 182.24 TAP 41.55 RCA 103.12 APO 152.07 V2 35.259
 RC 130.261 GL -35.22 GP 10.41 ZAL 95.71 ZAP 149.45 ETS 18.58 ZAE 131.93 ETE 170.46 ZAC 102.96 ETC 17.82 CLP-151.12

PLANETOCENTRIC CONIC

C3 12.051 VHL 3.471 DLA -29.63 RAL 159.14 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 4.859 DPA 20.94 RAP 166.03 ECC 1.1983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.88 8 40 32 1019.26 23.21 334.97 20.20 108.96 8 57 31 419.3 25.58 327.00
 99.12 11 9 50 5825.34 23.22 277.47 20.20 108.95 12 46 55 5225.3 25.59 269.50
 100.00 10 43 25 -621.74 20.88 304.89 19.27 111.89 10 53 47 21.7 23.67 297.20
 100.00 11 49 37 5698.09 25.59 268.85 21.02 106.00 13 24 35 5098.1 27.54 260.59
 110.00 10 12 39 718.76 13.48 308.29 15.36 121.71 10 24 38 118.8 17.58 301.57
 110.00 14 36 53 5173.83 33.73 230.92 22.84 95.92 16 3 7 4573.8 34.18 221.71

DIFFERENTIAL CORRECTIONS

TDE-1.8383 TRA -.3929 TC3-5.3195 BAU .8570
 RDE .2152 RRA .0114 RC3 .0051 FAU .07483
 FDE-2.1910 FRA .3410 FC3-5.3760 BSP 15071
 BDE 1.8509 BRA .3931 BC3 5.3195 FSP -1453

MID-COURSE EXECUTION ACCURACY

SGT 4837.6 SGR 355.8 SG3 452.5
 RRT -.6430 RRF -.6888 RTF .9581
 SGB 4850.7 R23 .0924 R13 -.9584
 SG1 4843.1 SG2 272.2 THA 177.28

ORBIT DETERMINATION ACCURACY

ST 3044.3 SR 355.2 SS 1520.9
 CRT -.9978 CRS .9969 CST -.9919
 LSA 3417.2 MSA 173.4 SSA 11.9
 EL1 3064.9 EL2 23.3 ALF 173.36

LAUNCH DATE JUN 23 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 474.199

RL 152.04 LAL .00 LOL 270.87 VL 26.527 GAL -2.25 AZL 94.21 HCA 222.56 SMA 127.36 ECC .19387 INC 4.2107 V1 29.302
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.783 GAP 6.69 AZP 86.90 TAL 181.03 TAP 43.59 RCA 102.67 APO 152.05 V2 35.259
 RC 132.447 GL -34.30 GP 9.44 ZAL 93.55 ZAP 151.30 ETS 18.03 ZAE 131.47 ETE 171.60 ZAC 101.74 ETC 17.15 CLP-152.77

PLANETOCENTRIC CONIC

C3 11.944 VHL 3.456 DLA -29.83 RAL 161.90 RAD 6567.5 VEL 11.547 PTH 2.02 VHP 5.004 DPA 19.43 RAP 167.16 ECC 1.1966
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.22 8 46 24 1033.77 23.40 336.12 22.88 109.05 9 3 38 433.8 25.78 328.14
 99.78 11 25 57 5807.06 23.41 276.19 22.88 109.03 13 2 44 5207.1 25.79 268.20
 100.00 11 10 53 5855.17 22.23 279.30 22.42 110.52 12 48 28 5255.2 24.82 271.46
 100.00 11 44 9 5748.93 24.59 272.29 23.31 107.56 13 19 58 5148.9 26.76 264.17
 110.00 10 26 27 707.50 13.88 307.67 18.14 121.56 10 38 14 107.5 17.95 300.92
 110.00 14 45 5 5181.33 33.67 231.50 25.50 96.26 16 11 26 4581.3 34.17 222.29

DIFFERENTIAL CORRECTIONS

TDE-1.8852 TRA -2.863 TC3-5.5088 BAU .8797
 RDE .2089 RRA .0147 RC3 -.0409 FAU .07041
 FDE-2.0771 FRA .4357 FC3-5.1038 BSP 15512
 BDE 1.8967 BRA .2867 BC3 5.5089 FSP -1397

MID-COURSE EXECUTION ACCURACY

SGT 4956.4 SGR 348.6 SG3 432.0
 RRT -.5731 RRF -.6136 RTF .9580
 SGB 4968.6 R23 .0766 R13 -.9582
 SG1 4960.4 SG2 285.5 THA 177.68

ORBIT DETERMINATION ACCURACY

ST 3131.8 SR 346.4 SS 1493.3
 CRT -.9988 CRS .9948 CST -.9922
 LSA 3482.7 MSA 168.2 SSA 13.0
 EL1 3150.8 EL2 16.5 ALF 173.69

LAUNCH DATE JUN 23 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 480.179

RL 152.04 LAL .00 LOL 270.87 VL 26.498 GAL .05 AZL 94.11 HCA 225.80 SMA 127.11 ECC .19610 INC 4.1115 V1 29.302
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.756 GAP 7.02 AZP 87.13 TAL 179.80 TAP 45.60 RCA 102.19 APO 152.04 V2 35.258
 RC 134.624 GL -33.39 GP 8.63 ZAL 91.27 ZAP 153.02 ETS 17.59 ZAE 131.03 ETE 172.55 ZAC 100.39 ETC 16.54 CLP-154.34

PLANETOCENTRIC CONIC

C3 11.911 VHL 3.451 DLA -30.07 RAL 164.75 RAD 6567.5 VEL 11.545 PTH 2.02 VHP 5.155 DPA 18.03 RAP 168.43 ECC 1.1960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.43 8 51 47 1052.30 23.60 337.57 25.76 109.21 9 9 20 452.3 26.00 329.58
 100.57 11 43 19 5787.38 23.61 274.80 25.77 109.19 13 19 46 5187.4 26.01 266.80
 79.43 8 51 47 1052.30 23.60 337.57 25.76 109.21 9 9 20 452.3 26.00 329.58
 100.57 11 43 19 5787.38 23.61 274.80 25.77 109.19 13 19 46 5187.4 26.01 266.80
 110.00 10 41 28 694.75 14.33 306.96 21.14 121.37 10 53 3 94.8 18.38 300.18
 110.00 14 52 49 5192.92 33.58 232.39 28.38 96.78 16 19 22 4592.9 34.16 223.20

DIFFERENTIAL CORRECTIONS

TDE-1.9148 TRA -.1575 TC3-5.5934 BAU .8908
 RDE .2039 RRA .0175 RC3 -.0849 FAU .06445
 FDE-1.9319 FRA .5457 FC3-4.6847 BSP 15386
 BDE 1.9257 BRA .1585 BC3 5.5940 FSP -1248

MID-COURSE EXECUTION ACCURACY

SGT 5010.3 SGR 345.2 SG3 403.8
 RRT -.4973 RRF -.5338 RTF .9551
 SGB 5022.1 R23 .0658 R13 -.9553
 SG1 5013.2 SG2 299.3 THA 178.03

ORBIT DETERMINATION ACCURACY

ST 3182.3 SR 338.7 SS 1436.0
 CRT -.9991 CRS .9913 CST -.9920
 LSA 3503.8 MSA 165.1 SSA 14.0
 EL1 3200.3 EL2 14.0 ALF 173.93

LAUNCH DATE JUN 23 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 486.138

RL 152.04 LAL .00 LOL 270.87 VL 26.452 GAL .36 AZL 94.02 HCA 229.05 SMA 126.87 ECC .19849 INC 4.0228 V1 29.302
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.728 GAP 7.37 AZP 87.36 TAL 178.54 TAP 47.60 RCA 101.69 APO 152.05 V2 35.256
 RC 136.791 GL -32.46 GP 7.93 ZAL 88.89 ZAP 154.65 ETS 17.24 ZAE 130.62 ETE 173.35 ZAC 98.92 ETC 15.98 CLP-155.84

PLANETOCENTRIC CONIC

C3 11.951 VHL 3.457 DLA -30.35 RAL 167.69 RAD 6567.5 VEL 11.547 PTH 2.02 VHP 5.312 DPA 16.71 RAP 169.81 ECC 1.1967
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.60 8 57 19 1072.74 23.79 339.17 28.83 109.43 9 15 11 472.7 26.22 331.18
 101.40 12 1 14 5768.34 23.80 273.45 28.83 109.41 13 37 23 5168.3 26.23 265.45
 78.60 8 57 19 1072.74 23.79 339.17 28.83 109.43 9 15 11 472.7 26.22 331.18
 101.40 12 1 14 5768.34 23.80 273.45 28.83 109.41 13 37 23 5168.3 26.23 265.45
 110.00 10 57 24 681.46 14.80 306.21 24.34 121.17 11 8 45 81.5 18.82 299.40
 110.00 15 0 20 5207.62 33.46 233.52 31.46 97.44 16 27 7 4607.6 34.13 224.34

DIFFERENTIAL CORRECTIONS

TDE-1.9777 TRA -.0372 TC3-5.7507 BAU .9190
 RDE .2051 RRA .0222 RC3 -.1098 FAU .06162
 FDE-1.8587 FRA .6170 FC3-4.4636 BSP 16162
 BDE 1.9884 BRA .0434 BC3 5.7518 FSP -1264

MID-COURSE EXECUTION ACCURACY

SGT 5153.5 SGR 350.9 SG3 390.4
 RRT -.4509 RRF -.4807 RTF .9569
 SGB 5165.4 R23 .0534 R13 -.9570
 SG1 5155.9 SG2 313.1 THA 178.23

ORBIT DETERMINATION ACCURACY

ST 3280.1 SR 340.2 SS 1423.9
 CRT -.9986 CRS .9877 CST -.9926
 LSA 3588.4 MSA 159.4 SSA 15.0
 EL1 3297.6 EL2 18.0 ALF 174.09

LAUNCH DATE JUN 23 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 492.076

RL 152.04 LAL .00 LOL 270.87 VL 26.414 GAL .69 AZL 93.94 HCA 232.30 SMA 126.63 ECC .20106 INC 3.9423 V1 29.302
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.699 GAP 7.71 AZP 87.59 TAL 177.27 TAP 49.57 RCA 101.17 APO 152.09 V2 35.254
 RC 138.949 GL -31.52 GP 7.33 ZAL 86.42 ZAP 156.18 ETS 16.97 ZAE 130.23 ETE 174.02 ZAC 97.35 ETC 15.48 CLP-157.27

PLANETOCENTRIC CONIC

C3 12.064 VHL 3.473 DLA -30.64 RAL 170.71 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 5.475 DPA 15.44 RAP 171.28 ECC 1.1985
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.78 9 3 24 1093.70 23.96 340.81 32.08 109.69 9 21 37 493.7 26.42 332.81
 102.22 12 19 17 5751.36 23.97 272.25 32.08 109.68 13 55 9 5151.4 26.43 264.25
 77.78 9 3 24 1093.70 23.96 340.81 32.08 109.69 9 21 37 493.7 26.42 332.81
 102.22 12 19 17 5751.36 23.97 272.25 32.08 109.68 13 55 9 5151.4 26.43 264.25
 110.00 11 14 4 668.25 15.27 305.47 27.72 120.96 11 25 12 68.2 19.26 298.62
 110.00 15 7 48 5224.80 33.30 234.84 34.72 98.20 16 34 52 4624.8 34.08 225.68

DIFFERENTIAL CORRECTIONS

TDE-2.0253 TRA .1026 TC3-5.7989 BAU .9355
 RDE .2071 RRA .0262 RC3 -.1333 FAU .05740
 FDE-1.7615 FRA .6983 FC3-4.1192 BSP 16390
 BDE 2.0358 BRA .1059 BC3 5.8004 FSP -1195

MID-COURSE EXECUTION ACCURACY

SGT 5237.1 SGR 357.5 SG3 370.9
 RRT -.4050 RRF -.4304 RTF .9563
 SGB 5249.3 R23 .0454 R13 -.9564
 SG1 5239.1 SG2 326.8 THA 178.41

ORBIT DETERMINATION ACCURACY

ST 3343.5 SR 342.0 SS 1388.1
 CRT -.9971 CRS .9829 CST -.9928
 LSA 3633.0 MSA 155.6 SSA 16.0
 EL1 3360.9 EL2 25.8 ALF 174.18

LAUNCH DATE JUN 23 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC
 RL 152.04 LAL .00 LOL 270.87 VL 26.375 GAL 1.03 AZL 93.87 HCA 235.54 SMA 126.38 ECC .20380 INC 3.8687 V1 29.302
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.669 GAP 8.06 AZP 87.81 TAL 175.98 TAP 51.53 RCA 100.62 APO 152.14 V2 35.251
 RC 141.095 GL -30.55 GP 6.81 ZAL 83.88 ZAP 157.63 ETS 16.79 ZAE 129.87 ETE 174.59 ZAC 95.69 ETC 15.03 CLP-158.65

PLANETOCENTRIC CONIC
 C3 12.253 VHL 3.500 DLA -30.92 RAL 173.81 RAD 6567.5 VEL 11.560 PTH 2.02 VHP 5.643 DPA 14.22 RAP 172.82 ECC 1.2017
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.02 9 10 15 1114.42 24.10 342.42 35.49 109.99 9 28 49 514.4 26.60 334.43
 102.98 12 37 9 5737.21 24.11 271.24 35.50 109.98 14 12 47 5137.2 26.61 263.24
 77.02 9 10 15 1114.42 24.10 342.42 35.49 109.99 9 28 49 514.4 26.60 334.43
 102.98 12 37 9 5737.21 24.11 271.24 35.50 109.98 14 12 47 5137.2 26.61 263.24
 110.00 11 31 10 655.96 15.70 304.78 31.26 120.76 11 42 6 56.0 19.66 297.90
 110.00 15 15 25 5243.67 33.11 236.28 38.15 99.03 16 42 49 4643.7 34.00 227.15

DIFFERENTIAL CORRECTIONS
 TDE-2.0789 TRA .2465 TC3-5.8228 BAU .9542 SGT 5330.8 SGR 366.4 SG3 353.8 ST 3407.9 SR 346.9 SS 1357.5
 RDE .2117 RRA .0304 RC3 -.1490 FAU .05378 RRT -.3719 RRF -.3933 RTF .9567 CRT -.9948 CRS .9777 CST -.9932
 FDE-1.6790 FRA .7660 FC3-3.7993 BSP 16734 SGB 5343.4 R23 .0388 R13 -.9568 LSA 3681.5 MSA 151.6 SSA 16.8
 BDE 2.0897 BRA .2484 BC3 5.8247 FSP -1146 SG1 5332.6 SG2 340.0 THA 178.53 EL1 3425.3 EL2 35.1 ALF 174.22

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 23 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC
 RL 152.04 LAL .00 LOL 270.87 VL 26.337 GAL 1.38 AZL 93.80 HCA 238.79 SMA 126.14 ECC .20674 INC 3.8006 V1 29.302
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.639 GAP 8.41 AZP 88.03 TAL 174.68 TAP 53.47 RCA 100.06 APO 152.21 V2 35.247
 RC 143.232 GL -29.55 GP 6.36 ZAL 81.28 ZAP 159.02 ETS 16.69 ZAE 129.54 ETE 175.08 ZAC 93.96 ETC 14.61 CLP-159.96

PLANETOCENTRIC CONIC
 C3 12.523 VHL 3.539 DLA -31.19 RAL 176.97 RAD 6567.5 VEL 11.572 PTH 2.02 VHP 5.817 DPA 13.03 RAP 174.44 ECC 1.2061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.34 9 17 59 1134.42 24.19 343.96 39.06 110.32 9 36 54 534.4 26.73 335.98
 103.66 12 54 39 5726.46 24.20 270.47 39.06 110.31 14 30 5 5126.5 26.74 262.48
 76.34 9 17 59 1134.42 24.19 343.96 39.06 110.32 9 36 54 534.4 26.73 335.98
 103.66 12 54 39 5726.46 24.20 270.47 39.06 110.31 14 30 5 5126.5 26.74 262.48
 110.00 11 48 27 645.33 16.07 304.17 34.94 120.59 11 59 12 45.3 20.00 297.27
 110.00 15 23 22 5263.55 32.89 237.79 41.73 99.90 16 51 5 4663.5 33.90 228.70

DIFFERENTIAL CORRECTIONS
 TDE-2.1301 TRA .4024 TC3-5.7950 BAU .9706 SGT 5412.6 SGR 376.0 SG3 336.7 ST 3458.6 SR 353.4 SS 1322.1
 RDE .2179 RRA .0340 RC3 -.1594 FAU .05013 RRT -.3465 RRF -.3647 RTF .9567 CRT -.9917 CRS .9717 CST -.9934
 FDE-1.5976 FRA .8323 FC3-3.4659 BSP 17018 SGB 5425.7 R23 .0339 R13 -.9568 LSA 3716.5 MSA 149.0 SSA 17.6
 BDE 2.1412 BRA .4039 BC3 5.7972 FSP -1094 SG1 5414.2 SG2 352.6 THA 178.62 EL1 3476.3 EL2 45.2 ALF 174.21

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 23 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC
 RL 152.04 LAL .00 LOL 270.87 VL 26.298 GAL 1.76 AZL 93.74 HCA 242.04 SMA 125.89 ECC .20988 INC 3.7370 V1 29.302
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.607 GAP 8.77 AZP 88.25 TAL 173.36 TAP 55.39 RCA 99.47 APO 152.31 V2 35.243
 RC 145.356 GL -28.52 GP 5.96 ZAL 78.64 ZAP 160.34 ETS 16.67 ZAE 129.23 ETE 175.50 ZAC 92.16 ETC 14.23 CLP-161.23

PLANETOCENTRIC CONIC
 C3 12.878 VHL 3.589 DLA -31.44 RAL 180.18 RAD 6567.5 VEL 11.587 PTH 2.03 VHP 5.998 DPA 11.87 RAP 176.11 ECC 1.2119
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.75 9 26 40 1153.41 24.23 345.41 42.76 110.67 9 45 53 553.4 26.82 337.44
 104.25 13 11 35 5719.45 24.24 269.95 42.77 110.66 14 46 55 5119.5 26.83 261.98
 75.75 9 26 40 1153.41 24.23 345.41 42.76 110.67 9 45 53 553.4 26.82 337.44
 104.25 13 11 35 5719.45 24.24 269.95 42.77 110.66 14 46 55 5119.5 26.83 261.98
 110.00 12 5 37 637.15 16.35 303.71 38.75 120.45 12 16 14 37.1 20.27 296.78
 110.00 15 31 48 5283.71 32.64 239.31 45.45 100.77 16 59 52 4683.7 33.78 230.26

DIFFERENTIAL CORRECTIONS
 TDE-2.1774 TRA .5717 TC3-5.7181 BAU .9849 SGT 5483.9 SGR 385.7 SG3 320.4 ST 3493.5 SR 361.2 SS 1282.8
 RDE .2258 RRA .0371 RC3 -.1646 FAU .04663 RRT -.3284 RRF -.3434 RTF .9566 CRT -.9878 CRS .9650 CST -.9936
 FDE-1.5174 FRA .8974 FC3-3.1349 BSP 17215 SGB 5497.4 R23 .0296 R13 -.9566 LSA 3736.1 MSA 147.8 SSA 18.1
 BDE 2.1891 BRA .5729 BC3 5.7204 FSP -1038 SG1 5485.4 SG2 364.2 THA 178.67 EL1 3511.7 EL2 55.9 ALF 174.17

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 23 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC
 RL 152.04 LAL .00 LOL 270.87 VL 26.259 GAL 2.15 AZL 93.68 HCA 245.28 SMA 125.65 ECC .21325 INC 3.6772 V1 29.302
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.575 GAP 9.14 AZP 88.46 TAL 172.02 TAP 57.30 RCA 98.85 APO 152.44 V2 35.237
 RC 147.469 GL -27.45 GP 5.61 ZAL 75.97 ZAP 161.61 ETS 16.73 ZAE 128.95 ETE 175.85 ZAC 90.30 ETC 13.89 CLP-162.46

PLANETOCENTRIC CONIC
 C3 13.326 VHL 3.651 DLA -31.64 RAL 183.42 RAD 6567.5 VEL 11.607 PTH 2.03 VHP 6.185 DPA 10.72 RAP 177.84 ECC 1.2193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.27 9 36 17 1171.21 24.19 346.74 46.58 111.03 9 55 48 571.2 26.83 338.79
 104.73 13 27 50 5716.43 24.21 269.71 46.59 111.02 15 3 7 5116.4 26.84 261.76
 75.27 9 36 17 1171.21 24.19 346.74 46.58 111.03 9 55 48 571.2 26.83 338.79
 104.73 13 27 50 5716.43 24.21 269.71 46.59 111.02 15 3 7 5116.4 26.84 261.76
 110.00 12 22 22 632.20 16.52 303.42 42.65 120.36 12 32 54 32.2 20.43 296.48
 110.00 15 40 55 5303.44 32.38 240.79 49.30 101.61 17 9 19 4703.4 33.64 231.78

DIFFERENTIAL CORRECTIONS
 TDE-2.2265 TRA .7478 TC3-5.6099 BAU .9999 SGT 5557.7 SGR 395.6 SG3 305.3 ST 3521.1 SR 370.3 SS 1245.0
 RDE .2355 RRA .0397 RC3 -.1647 FAU .04344 RRT -.3177 RRF -.3305 RTF .9569 CRT -.9834 CRS .9582 CST -.9938
 FDE-1.4452 FRA .9543 FC3-2.8218 BSP 17487 SGB 5571.8 R23 .0266 R13 -.9569 LSA 3750.1 MSA 147.2 SSA 18.6
 BDE 2.2389 BRA .7488 BC3 5.6123 FSP -993 SG1 5559.1 SG2 375.0 THA 178.70 EL1 3539.9 EL2 66.9 ALF 174.09

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 23 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 521.396

RL 152.04 LAL .00 LOL 270.87 VL 26.219 GAL 2.56 AZL 93.62 MCA 248.52 SMA 125.40 ECC .21686 INC 3.6204 V1 29.302
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.542 GAP 9.52 AZP 88.67 TAL 170.68 TAP 59.20 RCA 98.21 APO 152.60 V2 35.231
 RC 149.570 GL -26.36 GP 5.29 ZAL 73.29 ZAP 162.83 ETS 16.89 ZAE 128.70 ETE 176.16 ZAC 88.39 ETC 13.58 CLP-163.64

PLANETOCENTRIC CONIC

C3 13.876 VHL 3.725 DLA -31.79 RAL 186.68 RAD 6567.5 VEL 11.630 PTH 2.04 VHP 6.380 DPA 9.60 RAP 179.60 ECC 1.2284
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.90 9 46 48 1187.77 24.09 347.96 50.50 111.40 10 6 36 587.8 26.78 340.03
 105.10 13 43 18 5717.52 24.10 269.75 50.50 111.39 15 18 36 5117.5 26.79 261.82
 74.90 9 46 48 1187.77 24.09 347.96 50.50 111.40 10 6 36 587.8 26.78 340.03
 105.10 13 43 18 5717.52 24.10 269.75 50.50 111.39 15 18 36 5117.5 26.79 261.82
 110.00 12 38 24 631.23 16.55 303.37 46.61 120.34 12 48 56 31.2 20.46 296.42
 110.00 15 50 52 5322.07 32.12 242.18 53.26 102.39 17 19 34 4722.1 33.49 233.21

DIFFERENTIAL CORRECTIONS

TOE-2.2731 TRA .9355 TC3-5.4622 BAU 1.0138
 RDE .2467 RRA .0415 RC3 -.1610 FAU .04041
 FDE-1.3757 FRA 1.0093 FC3-2.5211 BSP 17747
 BOE 2.2864 BRA .9365 BC3 5.4645 FSP -952

MID-COURSE EXECUTION ACCURACY

SGT 5625.8 SGR 405.0 SG3 291.0
 RRT -.3124 RRF -.3232 RTF .9571
 SGB 5640.4 R23 .0240 R13 -.9572
 SG1 5627.3 SG2 384.7 THA 178.71

ORBIT DETERMINATION ACCURACY

ST 3535.0 SR 380.2 SS 1205.2
 CRT -.9784 CRS .9509 CST -.9940
 LSA 3751.2 MSA 148.1 SSA 18.8
 EL1 3554.6 EL2 78.1 ALF 173.99

LAUNCH DATE JUN 23 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 527.175

RL 152.04 LAL .00 LOL 270.87 VL 26.180 GAL 2.99 AZL 93.57 MCA 251.76 SMA 125.16 ECC .22073 INC 3.5661 V1 29.302
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.508 GAP 9.90 AZP 88.88 TAL 169.33 TAP 61.09 RCA 97.53 APO 152.79 V2 35.225
 RC 151.657 GL -25.25 GP 5.02 ZAL 70.62 ZAP 164.00 ETS 17.15 ZAE 128.46 ETE 176.42 ZAC 86.43 ETC 13.31 CLP-164.79

PLANETOCENTRIC CONIC

C3 14.539 VHL 3.813 DLA -31.90 RAL 189.93 RAD 6567.6 VEL 11.659 PTH 2.05 VHP 6.582 DPA 8.49 RAP 181.41 ECC 1.2393
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.67 9 58 10 1203.11 23.90 349.04 54.50 111.77 10 18 13 603.1 26.65 341.14
 105.33 13 57 53 5722.77 23.92 270.07 54.50 111.76 15 33 16 5122.8 26.66 262.17
 74.67 9 58 10 1203.11 23.90 349.04 54.50 111.77 10 18 13 603.1 26.65 341.14
 105.33 13 57 53 5722.77 23.92 270.07 54.50 111.76 15 33 16 5122.8 26.66 262.17
 110.00 12 53 27 634.85 16.43 303.58 50.60 120.41 13 4 2 34.9 20.34 296.64
 110.00 16 1 46 5339.02 31.86 243.43 57.32 103.09 17 30 45 4739.0 33.33 234.51

DIFFERENTIAL CORRECTIONS

TOE-2.3164 TRA 1.1345 TC3-5.2786 BAU 1.0264
 RDE .2594 RRA .0424 RC3 -.1541 FAU .03752
 FDE-1.3091 FRA 1.0610 FC3-2.2343 BSP 17985
 BOE 2.3309 BRA 1.1353 BC3 5.2808 FSP -912

MID-COURSE EXECUTION ACCURACY

SGT 5687.9 SGR 413.9 SG3 277.3
 RRT -.3114 RRF -.3205 RTF .9574
 SGB 5702.9 R23 .0200 R13 -.9575
 SG1 5689.3 SG2 393.3 THA 178.70

ORBIT DETERMINATION ACCURACY

ST 3534.5 SR 390.4 SS 1164.0
 CRT -.9730 CRS .9433 CST -.9942
 LSA 3738.6 MSA 150.3 SSA 18.8
 EL1 3554.9 EL2 89.6 ALF 173.86

LAUNCH DATE JUN 23 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 532.921

RL 152.04 LAL .00 LOL 270.87 VL 26.141 GAL 3.44 AZL 93.51 MCA 255.01 SMA 124.92 ECC .22489 INC 3.5138 V1 29.302
 RP 107.60 LAP 3.39 LOP 165.85 VP 37.474 GAP 10.30 AZP 89.09 TAL 167.97 TAP 62.97 RCA 96.83 APO 153.01 V2 35.217
 RC 153.730 GL -24.11 GP 4.77 ZAL 67.96 ZAP 165.14 ETS 17.51 ZAE 128.24 ETE 176.65 ZAC 84.44 ETC 13.06 CLP-165.90

PLANETOCENTRIC CONIC

C3 15.326 VHL 3.915 DLA -31.94 RAL 193.16 RAD 6567.6 VEL 11.692 PTH 2.06 VHP 6.793 DPA 7.38 RAP 183.26 ECC 1.2522
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.56 10 10 21 1217.07 23.64 349.99 58.55 112.13 10 30 38 617.1 26.43 342.13
 105.44 14 11 28 5732.36 23.65 270.68 58.56 112.12 15 47 0 5132.4 26.44 262.82
 74.56 10 10 21 1217.07 23.64 349.99 58.55 112.13 10 30 38 617.1 26.43 342.13
 105.44 14 11 28 5732.36 23.65 270.68 58.56 112.12 15 47 0 5132.4 26.44 262.82
 110.00 13 7 18 643.53 16.13 304.07 54.60 120.56 13 18 1 43.5 20.06 297.16
 110.00 16 13 41 5353.89 31.63 244.53 61.47 103.70 17 42 55 4753.9 33.19 235.65

DIFFERENTIAL CORRECTIONS

TOE-2.3532 TRA 1.3494 TC3-5.0549 BAU 1.0361
 RDE .2733 RRA .0421 RC3 -.1449 FAU .03465
 FDE-1.2428 FRA 1.1137 FC3-1.9574 BSP 18122
 BOE 2.3690 BRA 1.3500 BC3 5.0570 FSP -868

MID-COURSE EXECUTION ACCURACY

SGT 5739.5 SGR 422.0 SG3 264.1
 RRT -.3135 RRF -.3209 RTF .9574
 SGB 5755.0 R23 .0203 R13 -.9575
 SG1 5741.1 SG2 400.7 THA 178.67

ORBIT DETERMINATION ACCURACY

ST 3516.2 SR 400.6 SS 1120.2
 CRT -.9669 CRS .9350 CST -.9943
 LSA 3708.7 MSA 154.2 SSA 18.7
 EL1 3537.5 EL2 101.5 ALF 173.71

LAUNCH DATE JUN 23 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 538.630

RL 152.04 LAL .00 LOL 270.87 VL 26.102 GAL 3.91 AZL 93.46 MCA 258.24 SMA 124.68 ECC .22935 INC 3.4631 V1 29.302
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.440 GAP 10.71 AZP 89.29 TAL 166.60 TAP 64.85 RCA 96.08 APO 153.27 V2 35.210
 RC 155.789 GL -22.97 GP 4.54 ZAL 65.34 ZAP 166.23 ETS 18.01 ZAE 128.04 ETE 176.85 ZAC 82.41 ETC 12.85 CLP-166.99

PLANETOCENTRIC CONIC

C3 16.251 VHL 4.031 DLA -31.93 RAL 196.35 RAD 6567.7 VEL 11.732 PTH 2.07 VHP 7.014 DPA 6.29 RAP 185.13 ECC 1.2675
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.59 10 23 12 1229.87 23.29 350.80 62.65 112.49 10 43 42 629.9 26.13 342.98
 105.41 14 24 2 5746.11 23.30 271.57 62.65 112.48 15 59 48 5146.1 26.14 263.75
 74.59 10 23 12 1229.87 23.29 350.80 62.65 112.49 10 43 42 629.9 26.13 342.98
 105.41 14 24 2 5746.11 23.30 271.57 62.65 112.48 15 59 48 5146.1 26.14 263.75
 110.00 13 19 47 657.52 15.64 304.86 58.58 120.79 13 30 45 57.5 19.61 297.99
 110.00 16 26 37 5366.46 31.42 245.45 65.68 104.21 17 56 4 4766.5 33.05 236.61

DIFFERENTIAL CORRECTIONS

TOE-2.3899 TRA 1.5723 TC3-4.8149 BAU 1.0465
 RDE .2885 RRA .0409 RC3 -.1336 FAU .03207
 FDE-1.1823 FRA 1.1608 FC3-1.7083 BSP 18331
 BOE 2.4072 BRA 1.5728 BC3 4.8168 FSP -832

MID-COURSE EXECUTION ACCURACY

SGT 5791.5 SGR 429.5 SG3 251.9
 RRT -.3194 RRF -.3255 RTF .9579
 SGB 5807.4 R23 .0190 R13 -.9579
 SG1 5793.1 SG2 406.9 THA 178.64

ORBIT DETERMINATION ACCURACY

ST 3489.3 SR 410.6 SS 1078.2
 CRT -.9606 CRS .9267 CST -.9944
 LSA 3671.6 MSA 158.8 SSA 18.4
 EL1 3511.5 EL2 113.4 ALF 173.54

LAUNCH DATE JUN 23 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 544.298

RL 152.04 LAL .00 LOL 270.87 VL 26.063 GAL 4.41 AZL 93.41 MCA 261.48 SMA 124.44 ECC .23414 INC 3.4136 V1 29.302
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.404 GAP 11.14 AZP 89.49 TAL 165.23 TAP 66.72 RCA 95.30 APO 153.58 V2 35.201
 RC 157.834 GL -21.82 GP 4.34 ZAL 62.76 ZAP 167.30 ETS 18.65 ZAE 127.85 ETE 177.02 ZAC 80.35 ETC 12.66 CLP-168.06

PLANETOCENTRIC CONIC

C3 17.332 VHL 4.163 DLA -31.86 RAL 199.48 RAD 6567.7 VEL 11.778 PTH 2.08 VHP 7.245 DPA 5.21 RAP 187.03 ECC 1.2852
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.74 10 36 44 1241.38 22.85 351.48 66.76 112.83 10 57 25 641.4 25.75 343.71
 105.26 14 35 27 5764.19 22.87 272.75 66.77 112.82 16 11 31 5164.2 25.76 264.97
 74.74 10 36 44 1241.38 22.85 351.48 66.76 112.83 10 57 25 641.4 25.75 343.71
 105.26 14 35 27 5764.19 22.87 272.75 66.77 112.82 16 11 31 5164.2 25.76 264.97
 110.00 13 30 52 676.78 14.97 305.95 62.53 121.10 13 42 9 76.8 18.98 299.13
 110.00 16 40 29 5376.79 31.24 246.20 69.95 104.63 18 10 6 4776.8 32.94 237.39

DIFFERENTIAL CORRECTIONS

TDE-2.4229 TRA 1.8088 TC3-4.5529 BAU 1.0553
 RDE .3050 RRA .0385 RC3 -.1211 FAU .02958
 FDE-1.1244 FRA 1.2072 FC3-1.4776 BSP 18529
 BDE 2.4420 BRA 1.8092 BC3 4.5545 FSP -798

MID-COURSE EXECUTION ACCURACY

SGT 5838.0 SGR 436.1 SG3 240.3
 RRT -.3278 RRF -.3326 RTF .9582
 SGB 5854.2 R23 .0180 R13 -.9582
 SG1 5839.7 SG2 411.9 THA 178.59

ORBIT DETERMINATION ACCURACY

ST 3450.4 SR 420.1 SS 1036.2
 CRT -.9539 CRS .9179 CST -.9945
 LSA 3623.3 MSA 164.6 SSA 18.0
 EL1 3473.7 EL2 125.3 ALF 173.37

LAUNCH DATE JUN 23 1967

FLIGHT TIME 192.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 549.923

RL 152.04 LAL .00 LOL 270.87 VL 26.024 GAL 4.94 AZL 93.37 HCA 264.72 SMA 124.20 ECC .23930 INC 3.3650 V1 29.302
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.369 GAP 11.58 AZP 89.69 TAL 163.86 TAP 68.58 RCA 94.48 APO 153.93 V2 35.192
 RC 159.863 GL -20.67 GP 4.16 ZAL 60.24 ZAP 168.34 ETS 19.48 ZAE 127.67 ETE 177.16 ZAC 78.26 ETC 12.51 CLP-169.10

PLANETOCENTRIC CONIC

C3 18.587 VHL 4.311 DLA -31.74 RAL 202.53 RAD 6567.8 VEL 11.831 PTH 2.10 VHP 7.488 DPA 4.14 RAP 188.95 ECC 1.3059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.03 10 50 52 1251.54 22.34 352.01 70.88 113.15 11 11 44 651.5 25.28 344.30
 104.97 14 45 40 5786.62 22.35 274.21 70.89 113.14 16 22 7 5186.6 25.29 266.49
 75.03 10 50 52 1251.54 22.34 352.01 70.88 113.15 11 11 44 651.5 25.28 344.30
 104.97 14 45 40 5786.62 22.35 274.21 70.89 113.14 16 22 7 5186.6 25.29 266.49
 110.00 13 40 34 701.04 14.11 307.31 66.42 121.46 13 52 15 101.0 18.17 300.55
 110.00 16 55 9 5385.11 31.10 246.81 74.27 104.96 18 24 54 4785.1 32.84 238.02

DIFFERENTIAL CORRECTIONS

TDE-2.4522 TRA 2.0586 TC3-4.2754 BAU 1.0627
 RDE .3224 RRA .0347 RC3 -.1080 FAU .02723
 FDE-1.0692 FRA 1.2520 FC3-1.2683 BSP 18704
 BDE 2.4733 BRA 2.0589 BC3 4.2767 FSP -766

MID-COURSE EXECUTION ACCURACY

SGT 5878.7 SGR 441.8 SG3 229.3
 RRT -.3382 RRF -.3418 RTF .9587
 SGB 5895.3 R23 .0170 R13 -.9587
 SG1 5880.6 SG2 415.7 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 3400.6 SR 428.8 SS 994.9
 CRT -.9466 CRS .9087 CST -.9946
 LSA 3564.9 MSA 171.3 SSA 17.6
 EL1 3424.8 EL2 137.2 ALF 173.18

LAUNCH DATE JUN 23 1967

FLIGHT TIME 194.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 555.499

RL 152.04 LAL .00 LOL 270.87 VL 25.985 GAL 5.49 AZL 93.32 HCA 267.95 SMA 123.97 ECC .24485 INC 3.3169 V1 29.302
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.333 GAP 12.04 AZP 89.88 TAL 162.49 TAP 70.45 RCA 93.62 APO 154.32 V2 35.183
 RC 161.876 GL -19.53 GP 4.00 ZAL 57.79 ZAP 169.35 ETS 20.54 ZAE 127.51 ETE 177.29 ZAC 76.16 ETC 12.38 CLP-170.12

PLANETOCENTRIC CONIC

C3 20.040 VHL 4.477 DLA -31.56 RAL 205.49 RAD 6567.8 VEL 11.892 PTH 2.11 VHP 7.744 DPA 3.08 RAP 190.90 ECC 1.3298
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.44 11 5 32 1260.44 21.74 352.41 74.99 113.46 11 26 32 660.4 24.73 344.75
 104.56 14 54 39 5813.30 21.75 275.96 75.00 113.45 16 31 33 5213.3 24.74 268.29
 75.44 11 5 32 1260.44 21.74 352.41 74.99 113.46 11 26 32 660.4 24.73 344.75
 104.56 14 54 39 5813.30 21.75 275.96 75.00 113.45 16 31 33 5213.3 24.74 268.29
 110.00 13 48 58 729.89 13.08 308.91 70.24 121.87 14 1 8 129.9 17.20 302.22
 110.00 17 10 24 5391.86 30.98 247.30 78.61 105.23 18 40 15 4791.9 32.76 238.53

DIFFERENTIAL CORRECTIONS

TDE-2.4743 TRA 2.3269 TC3-3.9790 BAU 1.0663
 RDE .3407 RRA .0295 RC3 -.0950 FAU .02487
 FDE-1.0147 FRA 1.2985 FC3-1.0745 BSP 18771
 BDE 2.4976 BRA 2.3271 BC3 3.9801 FSP -730

MID-COURSE EXECUTION ACCURACY

SGT 5910.7 SGR 446.5 SG3 218.9
 RRT -.3498 RRF -.3519 RTF .9589
 SGB 5927.6 R23 .0159 R13 -.9589
 SG1 5912.8 SG2 418.1 THA 178.48

ORBIT DETERMINATION ACCURACY

ST 3337.6 SR 436.3 SS 953.3
 CRT -.9386 CRS .8985 CST -.9946
 LSA 3493.8 MSA 179.1 SSA 17.1
 EL1 3362.7 EL2 149.4 ALF 172.99

LAUNCH DATE JUN 23 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 561.019

RL 152.04 LAL .00 LOL 270.87 VL 25.947 GAL 6.07 AZL 93.27 HCA 271.19 SMA 123.74 ECC .25084 INC 3.2690 V1 29.302
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.296 GAP 12.52 AZP 90.07 TAL 161.13 TAP 72.32 RCA 92.70 APO 154.78 V2 35.172
 RC 163.875 GL -18.40 GP 3.85 ZAL 55.41 ZAP 170.33 ETS 21.88 ZAE 127.34 ETE 177.40 ZAC 74.03 ETC 12.29 CLP-171.13

PLANETOCENTRIC CONIC

C3 21.717 VHL 4.660 DLA -31.34 RAL 208.36 RAD 6567.9 VEL 11.962 PTH 2.13 VHP 8.015 DPA 2.02 RAP 192.86 ECC 1.3574
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.99 11 20 44 1267.86 21.07 352.66 79.08 113.75 11 41 52 667.9 24.10 345.05
 104.01 15 2 18 5844.43 21.08 278.00 79.09 113.73 16 39 43 5244.4 24.11 270.39
 75.99 11 20 44 1267.86 21.07 352.66 79.08 113.75 11 41 52 667.9 24.10 345.05
 104.01 15 2 18 5844.43 21.08 278.00 79.09 113.73 16 39 43 5244.4 24.11 270.39
 110.00 13 56 11 762.79 11.89 310.71 74.00 122.29 14 8 54 162.8 16.07 304.10
 110.00 17 26 1 5397.49 30.88 247.71 82.96 105.45 18 55 59 4797.5 32.69 238.95

DIFFERENTIAL CORRECTIONS

TDE-2.4978 TRA 2.6060 TC3-3.6852 BAU 1.0702
 RDE .3599 RRA .0229 RC3 -.0820 FAU .02273
 FDE -.9659 FRA 1.3420 FC3 -.9062 BSP 18932
 BDE 2.5236 BRA 2.6061 BC3 3.6861 FSP -700

MID-COURSE EXECUTION ACCURACY

SGT 5941.4 SGR 450.3 SG3 209.1
 RRT -.3635 RRF -.3645 RTF .9595
 SGB 5958.4 R23 .0150 R13 -.9595
 SG1 5943.6 SG2 419.3 THA 178.41

ORBIT DETERMINATION ACCURACY

ST 3272.4 SR 442.7 SS 915.2
 CRT -.9304 CRS .8884 CST -.9947
 LSA 3421.5 MSA 186.9 SSA 16.5
 EL1 3298.3 EL2 161.0 ALF 172.81

LAUNCH DATE JUN 23 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 566.478

RL 152.04 LAL .00 LOL 270.87 VL 25.908 GAL 6.69 AZL 93.22 HCA 274.42 SMA 123.51 ECC .25732 INC 3.2210 V1 29.302
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.260 GAP 13.03 AZP 90.25 TAL 159.77 TAP 74.19 RCA 91.73 APO 155.29 V2 35.162
 RC 165.860 GL -17.30 GP 3.72 ZAL 53.12 ZAP 171.29 ETS 23.58 ZAE 127.19 ETE 177.49 ZAC 71.90 ETC 12.22 CLP-172.12

PLANETOCENTRIC CONIC

C3 23.649 VHL 4.863 DLA -31.06 RAL 211.11 RAD 6568.0 VEL 12.043 PTH 2.15 VHP 8.302 DPA .98 RAP 194.84 ECC 1.3892
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.66 11 36 30 1273.49 20.33 352.73 83.13 114.01 11 57 44 673.5 23.40 345.19
 103.34 15 8 30 5880.23 20.34 280.35 83.14 114.00 16 46 30 5280.2 23.41 272.80
 76.66 11 36 30 1273.49 20.33 352.73 83.13 114.01 11 57 44 673.5 23.40 345.19
 103.34 15 8 30 5880.23 20.34 280.35 83.14 114.00 16 46 30 5280.2 23.41 272.80
 110.00 14 2 21 799.19 10.56 312.69 77.67 122.70 14 15 41 199.2 14.80 306.15
 110.00 17 41 50 5402.52 30.79 248.07 87.31 105.65 19 11 52 4802.5 32.62 239.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5186 TRA 2.9011 TC3-3.3902 BAU 1.0721 SGT 5966.6 SGR 453.2 SG3 199.8 ST 3201.3 SR 447.7 SS 879.1
 RDE .3799 RRA .0148 RC3 -.0697 FAU .02069 RRT -.3785 RRF -.3782 RTF .9601 CRT -.9216 CRS .8778 CST -.9947
 FDE -.9200 FRA 1.3855 FC3 -.7574 BSP 19070 SGB 5983.8 R23 .0140 R13 -.9602 LSA 3344.1 MSA 195.0 SSA 16.0
 BDE 2.5471 BRA 2.9012 BC3 3.3909 FSP -672 SG1 5969.1 SG2 419.3 THA 178.35 EL1 3227.8 EL2 172.4 ALF 172.64

LAUNCH DATE JUN 23 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 571.867

RL 152.04 LAL .00 LOL 270.87 VL 25.870 GAL 7.34 AZL 93.17 HCA 277.64 SMA 123.28 ECC .26432 INC 3.1727 V1 29.302
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.223 GAP 13.56 AZP 90.42 TAL 158.42 TAP 76.07 RCA 90.70 APO 155.87 V2 35.151
 RC 167.829 GL -16.21 GP 3.60 ZAL 50.91 ZAP 172.23 ETS 25.78 ZAE 127.03 ETE 177.57 ZAC 69.75 ETC 12.19 CLP-173.11

PLANETOCENTRIC CONIC

C3 25.874 VHL 5.087 DLA -30.75 RAL 213.75 RAD 6568.0 VEL 12.135 PTH 2.17 VHP 8.607 DPA -.05 RAP 196.83 ECC 1.4258
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.47 11 52 50 1277.25 19.53 352.63 87.14 114.24 12 14 8 677.3 22.63 345.15
 102.53 15 13 13 632.65 19.54 305.10 87.15 114.23 15 23 46 32.7 22.65 297.61
 77.47 11 52 50 1277.25 19.53 352.63 87.14 114.24 12 14 8 677.3 22.63 345.15
 102.53 15 13 13 632.65 19.54 305.10 87.15 114.23 15 23 46 32.7 22.65 297.61
 110.00 14 7 37 838.55 9.10 314.81 81.28 123.09 14 21 36 238.5 13.40 308.34
 110.00 17 57 37 5407.40 30.70 248.42 91.63 105.83 19 27 44 4807.4 32.56 239.70

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5369 TRA 3.2138 TC3-3.0965 BAU 1.0713 SGT 5986.1 SGR 455.1 SG3 191.1 ST 3125.9 SR 451.1 SS 845.3
 RDE .4005 RRA .0051 RC3 -.0582 FAU .01872 RRT -.3944 RRF -.3928 RTF .9609 CRT -.9122 CRS .8668 CST -.9948
 FDE -.8770 FRA 1.4294 FC3 -.6265 BSP 19189 SGB 6003.4 R23 .0130 R13 -.9609 LSA 3263.1 MSA 203.2 SSA 15.5
 BDE 2.5683 BRA 3.2138 BC3 3.0971 FSP -646 SG1 5988.8 SG2 418.0 THA 178.27 EL1 3153.0 EL2 183.3 ALF 172.47

LAUNCH DATE JUN 23 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 577.178

RL 152.04 LAL .00 LOL 270.87 VL 25.832 GAL 8.04 AZL 93.12 HCA 280.87 SMA 123.06 ECC .27191 INC 3.1236 V1 29.302
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.186 GAP 14.13 AZP 90.59 TAL 157.09 TAP 77.96 RCA 89.60 APO 156.52 V2 35.139
 RC 169.783 GL -15.15 GP 3.49 ZAL 48.79 ZAP 173.14 ETS 28.65 ZAE 126.87 ETE 177.64 ZAC 67.60 ETC 12.18 CLP-174.09

PLANETOCENTRIC CONIC

C3 28.436 VHL 5.333 DLA -30.41 RAL 216.27 RAD 6568.1 VEL 12.240 PTH 2.20 VHP 8.932 DPA -1.07 RAP 198.83 ECC 1.4680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.43 12 9 53 1278.53 18.66 352.31 91.10 114.45 12 31 11 678.5 21.81 344.89
 101.57 15 16 16 678.31 18.68 308.11 91.11 114.44 15 27 34 78.3 21.82 300.68
 78.43 12 9 53 1278.53 18.66 352.31 91.10 114.45 12 31 11 678.5 21.81 344.89
 101.57 15 16 16 678.31 18.68 308.11 91.11 114.44 15 27 34 78.3 21.82 300.68
 110.00 14 12 5 880.39 7.54 317.04 84.80 123.44 14 26 46 280.4 11.89 310.64
 110.00 18 13 14 5412.49 30.60 248.79 95.94 106.03 19 43 26 4812.5 32.49 240.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5501 TRA 3.5485 TC3-2.8031 BAU 1.0658 SGT 5998.9 SGR 455.8 SG3 182.9 ST 3045.3 SR 452.9 SS 813.1
 RDE .4215 RRA -.0064 RC3 -.0481 FAU .01675 RRT -.4106 RRF -.4076 RTF .9617 CRT -.9019 CRS .8546 CST -.9949
 FDE -.8354 FRA 1.4757 FC3 -.5100 BSP 19203 SGB 6016.2 R23 .0118 R13 -.9617 LSA 3177.3 MSA 211.5 SSA 14.9
 BDE 2.5847 BRA 3.5485 BC3 2.8035 FSP -616 SG1 6001.8 SG2 415.4 THA 178.20 EL1 3072.7 EL2 193.9 ALF 172.33

LAUNCH DATE JUN 23 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 582.398

RL 152.04 LAL .00 LOL 270.87 VL 25.795 GAL 8.78 AZL 93.07 HCA 284.10 SMA 122.84 ECC .28016 INC 3.0735 V1 29.302
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.149 GAP 14.73 AZP 90.75 TAL 155.77 TAP 79.87 RCA 88.42 APO 157.25 V2 35.128
 RC 171.722 GL -14.12 GP 3.39 ZAL 46.77 ZAP 174.02 ETS 32.48 ZAE 126.70 ETE 177.70 ZAC 65.45 ETC 12.22 CLP-175.06

PLANETOCENTRIC CONIC

C3 31.388 VHL 5.603 DLA -30.03 RAL 218.66 RAD 6568.3 VEL 12.360 PTH 2.23 VHP 9.281 DPA -2.07 RAP 200.84 ECC 1.5166
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.56 12 27 52 1276.41 17.75 351.72 95.01 114.63 12 49 8 676.4 20.93 344.35
 100.44 15 17 21 729.94 17.77 311.52 95.01 114.62 15 29 31 129.9 20.94 304.15
 79.56 12 27 52 1276.41 17.75 351.72 95.01 114.63 12 49 8 676.4 20.93 344.35
 100.44 15 17 21 729.94 17.77 311.52 95.01 114.62 15 29 31 129.9 20.94 304.15
 110.00 14 15 52 924.30 5.89 319.36 88.26 123.73 14 31 16 324.3 10.28 313.03
 110.00 18 28 32 5418.09 30.50 249.19 100.20 106.25 19 58 50 4818.1 32.42 240.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5671 TRA 3.8987 TC3-2.5247 BAU 1.0596 SGT 6008.7 SGR 455.7 SG3 175.1 ST 2967.9 SR 453.1 SS 785.1
 RDE .4430 RRA -.0195 RC3 -.0389 FAU .01495 RRT -.4281 RRF -.4239 RTF .9628 CRT -.8915 CRS .8430 CST -.9950
 FDE -.7993 FRA 1.5210 FC3 -.4124 BSP 19311 SGB 6025.9 R23 .0108 R13 -.9628 LSA 3095.5 MSA 219.0 SSA 14.4
 BDE 2.6051 BRA 3.8988 BC3 2.5250 FSP -592 SG1 6011.9 SG2 411.6 THA 178.13 EL1 2995.4 EL2 203.4 ALF 172.21

LAUNCH DATE JUN 23 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 587.513

RL 152.04 LAL .00 LOL 270.87 VL 25.758 GAL 9.57 AZL 93.02 HCA 287.32 SMA 122.62 ECC .28914 INC 3.0220 V1 29.302
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.112 GAP 15.37 AZP 90.90 TAL 154.47 TAP 81.79 RCA 87.17 APO 158.08 V2 35.116
 RC 173.647 GL -13.12 GP 3.29 ZAL 44.84 ZAP 174.85 ETS 37.70 ZAE 126.53 ETE 177.75 ZAC 63.30 ETC 12.28 CLP-176.04

PLANETOCENTRIC CONIC

C3 34.794 VHL 5.899 DLA -29.63 RAL 220.92 RAD 6568.4 VEL 12.497 PTH 2.26 VHP 9.655 DPA -3.06 RAP 202.86 ECC 1.5726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.90 12 47 9 1269.60 16.80 350.75 98.85 114.77 13 8 19 669.6 20.00 343.44
 99.10 15 16 8 788.67 16.81 315.42 98.85 114.76 15 29 16 188.7 20.01 308.11
 100.00 14 49 31 873.79 13.76 320.21 97.33 116.80 15 4 5 273.8 17.24 313.15
 100.00 15 56 27 659.71 19.90 307.28 100.29 112.78 16 7 27 59.7 22.81 299.70
 110.00 14 19 2 969.90 4.16 321.76 91.64 123.96 14 35 12 369.9 8.59 315.48
 110.00 18 43 25 5424.40 30.37 249.64 104.41 106.49 20 13 50 4824.4 32.33 240.97

DIFFERENTIAL CORRECTIONS

TDE-2.5837 TRA 4.2708 TC3-2.2564 BAU 1.0497
 RDE .4648 RRA -.0344 RC3 -.0309 FAU .01321
 FDE -.7661 FRA 1.5679 FC3 -.3288 BSP 19390
 BDE 2.6252 BRA 4.2709 BC3 2.2566 FSP -569

MID-COURSE EXECUTION ACCURACY

SGT 6013.2 SGR 454.6 SG3 167.8
 RRT -.4461 RRF -.4407 RTF .9640
 SGB 6030.4 R23 .0097 R13 -.9641
 SG1 6016.7 SG2 406.6 THA 178.06

ORBIT DETERMINATION ACCURACY

ST 2890.4 SR 451.7 SS 760.1
 CRT -.8806 CRS .8312 CST -.9952
 LSA 3014.2 MSA 225.8 SSA 13.9
 EL1 2917.8 EL2 212.0 ALF 172.12

LAUNCH DATE JUN 23 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 17 1968

HELIOCENTRIC CONIC

DISTANCE 592.507

RL 152.04 LAL .00 LOL 270.87 VL 25.721 GAL 10.41 AZL 92.97 HCA 290.54 SMA 122.41 ECC .29893 INC 2.9687 V1 29.302
 RP 107.96 LAP 2.78 LOP 201.43 VP 37.075 GAP 16.05 AZP 91.04 TAL 153.21 TAP 83.74 RCA 85.82 APO 159.00 V2 35.103
 RC 175.555 GL -12.15 GP 3.21 ZAL 43.02 ZAP 175.62 ETS 45.01 ZAE 126.35 ETE 177.79 ZAC 61.16 ETC 12.39 CLP-177.02

PLANETOCENTRIC CONIC

C3 38.730 VHL 6.223 DLA -29.20 RAL 223.06 RAD 6568.5 VEL 12.653 PTH 2.30 VHP 10.059 DPA -4.03 RAP 204.88 ECC 1.6374
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.55 13 8 35 1255.25 15.80 349.21 102.62 114.88 13 29 30 655.3 19.03 341.95
 97.45 15 11 44 857.18 15.82 320.01 102.63 114.87 15 26 1 257.2 19.04 312.75
 100.00 14 37 35 966.72 10.84 325.57 100.08 118.03 14 53 42 366.7 14.51 318.70
 100.00 16 25 25 620.94 20.90 304.84 104.94 111.87 16 35 45 20.9 23.69 297.15
 110.00 14 21 39 1016.89 2.37 324.22 94.95 124.11 14 38 36 416.9 6.83 317.98
 110.00 18 57 50 5431.58 30.24 250.15 108.56 106.76 20 28 22 4831.6 32.23 241.51

DIFFERENTIAL CORRECTIONS

TDE-2.6009 TRA 4.6662 TC3-1.9999 BAU 1.0356
 RDE .4869 RRA -.0511 RC3 -.0242 FAU .01152
 FDE -.7361 FRA 1.6168 FC3 -.2576 BSP 19458
 BDE 2.6461 BRA 4.6665 BC3 2.0001 FSP -547

MID-COURSE EXECUTION ACCURACY

SGT 6012.6 SGR 452.5 SG3 160.9
 RRT -.4646 RRF -.4581 RTF .9655
 SGB 6029.6 R23 .0085 R13 -.9655
 SG1 6016.3 SG2 400.4 THA 177.99

ORBIT DETERMINATION ACCURACY

ST 2814.1 SR 448.5 SS 738.0
 CRT -.8692 CRS .8193 CST -.9955
 LSA 2934.5 MSA 231.9 SSA 13.4
 EL1 2841.2 EL2 219.7 ALF 172.06

LAUNCH DATE JUN 23 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 19 1968

HELIOCENTRIC CONIC

DISTANCE 597.359

RL 152.04 LAL .00 LOL 270.87 VL 25.685 GAL 11.32 AZL 92.91 HCA 293.76 SMA 122.20 ECC .30964 INC 2.9131 V1 29.302
 RP 107.99 LAP 2.67 LOP 204.65 VP 37.038 GAP 16.79 AZP 91.17 TAL 151.97 TAP 85.73 RCA 84.36 APO 160.04 V2 35.091
 RC 177.448 GL -11.22 GP 3.13 ZAL 41.30 ZAP 176.29 ETS 55.39 ZAE 126.15 ETE 177.83 ZAC 59.02 ETC 12.53 CLP-178.01

PLANETOCENTRIC CONIC

C3 43.292 VHL 6.580 DLA -28.76 RAL 225.06 RAD 6568.6 VEL 12.832 PTH 2.34 VHP 10.496 DPA -4.98 RAP 206.89 ECC 1.7125
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.75 13 34 22 1226.08 14.78 346.57 106.32 114.96 13 54 48 626.1 18.02 339.36
 95.25 15 1 57 942.54 14.79 325.80 106.33 114.95 15 17 40 342.5 18.03 318.60
 100.00 14 30 28 1043.94 8.34 329.93 102.99 118.81 14 47 52 443.9 12.12 323.19
 100.00 16 48 31 5887.96 21.43 281.41 109.31 111.36 18 26 39 5288.0 24.14 273.66
 110.00 14 23 47 1065.00 .53 326.73 98.20 124.18 14 41 32 465.0 5.01 320.51
 110.00 19 11 42 5439.67 30.07 250.73 112.65 107.07 20 42 22 4839.7 32.11 242.11

DIFFERENTIAL CORRECTIONS

TDE-2.6196 TRA 5.0879 TC3-1.7563 BAU 1.0165
 RDE .5090 RRA -.0698 RC3 -.0187 FAU .00987
 FDE -.7090 FRA 1.6685 FC3 -.1974 BSP 19507
 BDE 2.6686 BRA 5.0884 BC3 1.7564 FSP -525

MID-COURSE EXECUTION ACCURACY

SGT 6007.3 SGR 449.3 SG3 154.4
 RRT -.4833 RRF -.4758 RTF .9671
 SGB 6024.1 R23 .0073 R13 -.9671
 SG1 6011.2 SG2 393.1 THA 177.92

ORBIT DETERMINATION ACCURACY

ST 2739.9 SR 443.8 SS 718.9
 CRT -.8575 CRS .8073 CST -.9957
 LSA 2857.4 MSA 237.0 SSA 13.0
 EL1 2766.4 EL2 226.1 ALF 172.04

LAUNCH DATE JUN 23 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 21 1968

HELIOCENTRIC CONIC

DISTANCE 602.045

RL 152.04 LAL .00 LOL 270.87 VL 25.650 GAL 12.30 AZL 92.85 HCA 296.97 SMA 122.00 ECC .32138 INC 2.8547 V1 29.302
 RP 108.03 LAP 2.54 LOP 207.87 VP 37.001 GAP 17.60 AZP 91.30 TAL 150.78 TAP 87.75 RCA 82.79 APO 161.20 V2 35.078
 RC 179.325 GL -10.31 GP 3.06 ZAL 39.68 ZAP 176.79 ETS 69.91 ZAE 125.93 ETE 177.86 ZAC 56.91 ETC 12.71 CLP-179.02

PLANETOCENTRIC CONIC

C3 48.594 VHL 6.971 DLA -28.30 RAL 226.94 RAD 6568.8 VEL 13.037 PTH 2.38 VHP 10.971 DPA -5.90 RAP 208.91 ECC 1.7997
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 14 17 23 1140.06 12.97 339.39 109.57 115.39 14 36 23 540.1 16.28 332.29
 90.00 14 33 53 1086.56 14.51 336.22 110.31 114.59 14 52 0 486.6 17.71 329.00
 100.00 14 25 14 1114.63 6.00 333.88 105.91 119.34 14 43 49 514.6 9.86 327.22
 100.00 17 8 43 5875.27 21.74 280.60 113.51 111.04 18 46 38 5275.3 24.41 272.81
 110.00 14 25 26 1113.98 -1.35 329.29 101.37 124.16 14 44 0 514.0 3.15 323.08
 110.00 19 25 0 5448.68 29.89 251.37 116.66 107.41 20 55 49 4848.7 31.98 242.78

DIFFERENTIAL CORRECTIONS

TDE-2.6372 TRA 5.5413 TC3-1.5236 BAU .9898
 RDE .5311 RRA -.0905 RC3 -.0145 FAU .00819
 FDE -.6840 FRA 1.7244 FC3 -.1460 BSP 19446
 BDE 2.6902 BRA 5.5420 BC3 1.5236 FSP -502

MID-COURSE EXECUTION ACCURACY

SGT 5997.4 SGR 445.1 SG3 148.4
 RRT -.5021 RRF -.4936 RTF .9688
 SGB 6013.9 R23 .0059 R13 -.9689
 SG1 6001.6 SG2 384.6 THA 177.86

ORBIT DETERMINATION ACCURACY

ST 2666.6 SR 437.3 SS 702.6
 CRT -.8452 CRS .7950 CST -.9960
 LSA 2781.6 MSA 241.2 SSA 12.5
 EL1 2692.3 EL2 231.5 ALF 172.05

LAUNCH DATE JUN 23 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 23 1968

HELIOCENTRIC CONIC

DISTANCE 606.533

RL 152.04 LAL .00 LOL 270.87 VL 25.615 GAL 13.36 AZL 92.79 HCA 300.18 SMA 121.80 ECC .33430 INC 2.7930 V1 29.302
 RP 108.07 LAP 2.41 LOP 211.08 VP 36.964 GAP 18.47 AZP 91.41 TAL 149.64 TAP 89.82 RCA 81.08 APO 162.51 V2 35.065
 RC 181.185 GL -9.44 GP 2.99 ZAL 38.17 ZAP 177.00 ETS 88.40 ZAE 125.69 ETE 177.88 ZAC 54.81 ETC 12.93 CLP 179.96

PLANETOCENTRIC CONIC

C3 54.778 VHL 7.401 OLA -27.83 RAL 228.68 RAD 6569.0 VEL 13.272 PTH 2.42 VHP 11.490 DPA -6.81 RAP 210.92 ECC 1.9015
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 46 31 1292.87 8.35 348.25 111.32 117.16 14 8 4 692.9 11.93 341.39
 90.00 15 18 40 993.27 17.07 330.57 115.49 112.94 15 35 13 393.3 20.03 323.15
 100.00 14 20 56 1181.61 3.75 337.58 108.82 119.68 14 40 38 581.6 7.67 330.99
 100.00 17 26 56 5867.81 21.92 280.12 117.56 110.85 19 4 44 5267.8 24.56 272.31
 110.00 14 26 39 1163.63 -3.24 331.88 104.48 124.05 14 46 3 563.6 1.25 325.67
 110.00 19 37 42 5458.56 29.69 252.07 120.58 107.78 21 8 40 4858.6 31.83 243.51

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6624 TRA 6.0215 TC3-1.3054 BAU .9560 SGT 5980.6 SGR 439.9 SG3 142.6 ST 2598.5 SR 429.4 SS 690.1
 RDE .5533 RRA -.1130 RC3 -.0112 FAU .00661 RRT -.5215 RRF -.5122 RTF .9711 CRT -.8333 CRS .7839 CST -.9963
 FDE -.6637 FRA 1.7826 FC3 -.1044 BSP 19585 SGB 5996.7 R23 .0045 R13 -.9711 LSA 2711.7 MSA 243.7 SSA 12.0
 BDE 2.7193 BRA 6.0226 BC3 1.3055 FSP -483 SG1 5985.0 SG2 375.1 THA 177.79 EL1 2623.2 EL2 235.1 ALF 172.10

LAUNCH DATE JUN 23 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 25 1968

HELIOCENTRIC CONIC

DISTANCE 610.784

RL 152.04 LAL .00 LOL 270.87 VL 25.581 GAL 14.51 AZL 92.73 HCA 303.39 SMA 121.60 ECC .34854 INC 2.7272 V1 29.302
 RP 108.11 LAP 2.28 LOP 214.29 VP 36.928 GAP 19.42 AZP 91.50 TAL 148.56 TAP 91.96 RCA 79.22 APO 163.98 V2 35.052
 RC 183.028 GL -8.60 GP 2.93 ZAL 36.77 ZAP 176.87 ETS 107.90 ZAE 125.41 ETE 177.91 ZAC 52.75 ETC 13.19 CLP 178.91

PLANETOCENTRIC CONIC

C3 62.024 VHL 7.876 OLA -27.35 RAL 230.29 RAD 6569.2 VEL 13.542 PTH 2.48 VHP 12.060 DPA -7.68 RAP 212.91 ECC 2.0208
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 34 3 1385.32 5.44 353.48 113.82 117.83 13 57 8 785.3 9.13 346.74
 90.00 15 43 59 961.58 17.90 328.61 119.75 112.31 16 0 1 361.6 20.77 321.12
 100.00 14 17 8 1246.13 1.57 341.13 111.68 119.86 14 37 54 646.1 5.53 334.58
 100.00 17 43 35 5864.04 22.01 279.87 121.48 110.75 19 21 19 5264.0 24.64 272.06
 110.00 14 27 26 1213.74 -5.15 334.51 107.51 123.84 14 47 40 613.7 -6.67 328.29
 110.00 19 49 46 5469.20 29.47 252.81 124.40 108.17 21 20 55 4869.2 31.66 244.29

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.6929 TRA 6.5380 TC3-1.1094 BAU .9200 SGT 5963.8 SGR 433.7 SG3 137.1 ST 2534.1 SR 420.0 SS 680.8
 RDE .5754 RRA -.1375 RC3 -.0088 FAU .00500 RRT -.5408 RRF -.5311 RTF .9730 CRT -.8216 CRS .7733 CST -.9966
 FDE -.6464 FRA 1.8457 FC3 -.0699 BSP 19513 SGB 5979.6 R23 .0035 R13 -.9730 LSA 2646.0 MSA 244.9 SSA 11.5
 BDE 2.7536 BRA 6.5394 BC3 1.1094 FSP -465 SG1 5968.5 SG2 364.6 THA 177.74 EL1 2557.7 EL2 237.2 ALF 172.18

LAUNCH DATE JUN 23 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 27 1968

HELIOCENTRIC CONIC

DISTANCE 614.750

RL 152.04 LAL .00 LOL 270.87 VL 25.548 GAL 15.76 AZL 92.66 HCA 306.60 SMA 121.41 ECC .36430 INC 2.6563 V1 29.302
 RP 108.16 LAP 2.13 LOP 217.50 VP 36.893 GAP 20.47 AZP 91.58 TAL 147.55 TAP 94.16 RCA 77.18 APO 165.64 V2 35.039
 RC 184.853 GL -7.80 GP 2.88 ZAL 35.49 ZAP 176.40 ETS 124.45 ZAE 125.10 ETE 177.93 ZAC 50.72 ETC 13.50 CLP 177.83

PLANETOCENTRIC CONIC

C3 70.555 VHL 8.400 OLA -26.86 RAL 231.77 RAD 6569.4 VEL 13.853 PTH 2.53 VHP 12.687 DPA -8.52 RAP 214.88 ECC 2.1612
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 25 10 1465.08 2.89 357.96 116.40 118.18 13 49 35 865.1 6.64 351.28
 90.00 16 4 38 943.46 18.36 327.49 123.73 111.94 16 20 22 343.5 21.18 319.95
 100.00 14 13 33 1308.81 -.56 344.57 114.48 119.89 14 35 22 708.8 3.42 338.04
 100.00 17 58 57 5863.00 22.04 279.81 125.26 110.72 19 36 40 5263.0 24.66 271.99
 110.00 14 27 47 1264.13 -7.05 337.17 110.47 123.54 14 48 51 664.1 -2.59 330.92
 110.00 20 1 12 5480.45 29.22 253.60 128.10 108.58 21 32 33 4880.5 31.48 245.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7287 TRA 7.0934 TC3 -.9235 BAU .8711 SGT 5940.2 SGR 426.5 SG3 132.0 ST 2472.6 SR 409.2 SS 674.8
 RDE .5974 RRA -.1640 RC3 -.0073 FAU .00337 RRT -.5602 RRF -.5501 RTF .9752 CRT -.8100 CRS .7634 CST -.9970
 FDE -.6324 FRA 1.9144 FC3 -.0414 BSP 19502 SGB 5955.5 R23 .0023 R13 -.9752 LSA 2583.9 MSA 244.7 SSA 11.1
 BDE 2.7934 BRA 7.0953 BC3 .9235 FSP -447 SG1 5945.0 SG2 353.0 THA 177.69 EL1 2495.0 EL2 237.8 ALF 172.29

LAUNCH DATE JUN 23 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 29 1968

HELIOCENTRIC CONIC

DISTANCE 618.369

RL 152.04 LAL .00 LOL 270.87 VL 25.515 GAL 17.13 AZL 92.58 HCA 309.81 SMA 121.23 ECC .38180 INC 2.5794 V1 29.302
 RP 108.20 LAP 1.98 LOP 220.70 VP 36.858 GAP 21.62 AZP 91.65 TAL 146.64 TAP 96.45 RCA 74.94 APO 167.51 V2 35.025
 RC 186.660 GL -7.02 GP 2.83 ZAL 34.33 ZAP 175.66 ETS 136.70 ZAE 124.74 ETE 177.95 ZAC 48.73 ETC 13.85 CLP 176.71

PLANETOCENTRIC CONIC

C3 80.656 VHL 8.981 OLA -26.36 RAL 233.11 RAD 6569.6 VEL 14.213 PTH 2.59 VHP 13.382 DPA -9.33 RAP 216.82 ECC 2.3274
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 17 53 1538.37 .53 2.05 118.97 118.31 13 43 31 938.4 4.31 355.41
 90.00 16 22 36 932.33 18.65 326.79 127.49 111.71 16 38 8 332.3 21.43 319.22
 100.00 14 10 1 1370.02 -2.63 347.93 117.21 119.79 14 32 51 770.0 1.35 341.40
 100.00 18 13 9 5863.96 22.02 279.87 128.88 110.75 19 50 53 5264.0 24.64 272.05
 110.00 14 27 40 1314.61 -8.94 339.86 113.34 123.13 14 49 35 714.6 -4.52 333.56
 110.00 20 11 59 5492.13 28.97 254.41 131.67 108.99 21 43 32 4892.1 31.28 245.97

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.7687 TRA 7.6970 TC3 -.7501 BAU .8088 SGT 5913.2 SGR 418.3 SG3 127.2 ST 2413.4 SR 397.1 SS 671.0
 RDE .6191 RRA -.1926 RC3 -.0066 FAU .00164 RRT -.5795 RRF -.5692 RTF .9776 CRT -.7985 CRS .7537 CST -.9973
 FDE -.6208 FRA 1.9908 FC3 -.0176 BSP 19398 SGB 5928.0 R23 .0010 R13 -.9776 LSA 2524.7 MSA 243.1 SSA 10.6
 BDE 2.8371 BRA 7.6994 BC3 .7501 FSP -428 SG1 5918.2 SG2 340.6 THA 177.65 EL1 2434.3 EL2 237.0 ALF 172.44

LAUNCH DATE JUN 24 1967

FLIGHT TIME 70.00

ARRIVAL DATE SEP 2 1967

HELIOCENTRIC CONIC

DISTANCE 166.195

RL 152.05 LAL .00 LOL 271.82 VL 23.712 GAL -2.50 AZL 93.62 HCA 68.99 SMA 112.15 ECC .35816 INC 3.6189 V1 29.301
 RP 108.85 LAP -3.38 LOP 340.77 VP 35.428 GAP -20.92 AZP 91.30 TAL 184.49 TAP 253.48 RCA 71.98 APO 152.31 V2 34.815
 RC 42.995 GL -14.53 GP -2.53 ZAL 100.88 ZAP 8.24 ETS 162.14 ZAE 162.59 ETE 33.14 ZAC 97.18 ETC 13.89 CLP 7.85

PLANETOCENTRIC CONIC

C3 35.520 VHL 5.960 DLA -9.62 RAL 165.60 RAD 6568.4 VEL 12.526 PTH 2.27 VHP 12.665 DPA 5.30 RAP 169.88 ECC 1.5846
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 31 9 2053.34 -15.36 31.52 34.58 114.09 6 5 22 1453.3 -11.98 24.48
 90.00 15 2 54 5303.41 27.30 240.59 40.56 82.16 16 31 17 4703.4 25.93 232.19
 100.00 6 47 45 1806.18 -16.60 12.76 33.99 115.22 7 17 51 1206.2 -13.07 5.75
 100.00 16 28 58 5025.80 28.65 219.95 40.33 81.08 17 52 44 4425.8 27.12 211.48
 110.00 7 45 14 1626.17 -19.89 357.35 32.24 118.39 8 12 21 1026.2 -15.94 350.45
 110.00 17 47 58 4778.57 32.27 200.40 39.56 78.07 19 7 37 4178.6 30.29 191.75

DIFFERENTIAL CORRECTIONS

TDE .3683 TRA -.6571 TC3 .1816 BAU .0956
 RDE -.4018 RRA -.1606 RC3 .0868 FAU .02229
 FDE -.3063 FRA .2085 FC3 -.5433 BSP 2049
 BDE .5450 BRA .6764 BC3 .2013 FSP -144

MID-COURSE EXECUTION ACCURACY

SGT 763.4 SGR 429.4 SG3 63.9
 RRT -.0428 RRF .0470 RTF -.6634
 SGB 875.9 R23 -.0055 R13 .6637
 SG1 763.7 SG2 428.8 THA 177.98

ORBIT DETERMINATION ACCURACY

ST 402.9 SR 389.1 SS 329.8
 CRT -.8145 CRS -.9451 CST .9562
 LSA 627.0 MSA 170.5 SSA 16.7
 EL1 533.6 EL2 170.5 ALF 136.22

LAUNCH DATE JUN 24 1967

FLIGHT TIME 72.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 172.859

RL 152.05 LAL .00 LOL 271.82 VL 24.055 GAL -2.56 AZL 93.56 HCA 72.15 SMA 113.72 ECC .33965 INC 3.5627 V1 29.301
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.666 GAP -19.71 AZP 91.09 TAL 184.99 TAP 257.15 RCA 75.10 APO 152.35 V2 34.822
 RC 43.312 GL -15.34 GP -2.66 ZAL 101.92 ZAP 6.56 ETS 155.97 ZAE 160.54 ETE 28.82 ZAC 95.94 ETC 13.82 CLP 6.00

PLANETOCENTRIC CONIC

C3 31.845 VHL 5.643 DLA -9.94 RAL 164.26 RAD 6568.3 VEL 12.378 PTH 2.23 VHP 11.977 DPA 4.66 RAP 171.04 ECC 1.5241
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 28 22 2015.43 -14.29 29.25 31.45 114.71 6 1 57 1415.4 -10.84 22.27
 90.00 14 55 0 5286.23 27.13 239.36 37.28 81.57 16 23 7 4686.2 25.69 230.99
 100.00 6 44 48 1768.83 -15.50 10.53 30.86 115.88 7 14 17 1168.8 -11.90 3.59
 100.00 16 21 15 5008.06 28.46 218.67 37.04 80.44 17 44 43 4408.1 26.84 210.24
 110.00 7 41 53 1590.05 -18.71 355.22 29.11 119.15 8 8 23 990.1 -14.68 348.42
 110.00 17 40 39 4759.60 32.00 198.99 36.23 77.28 18 59 59 4159.6 29.92 190.40

DIFFERENTIAL CORRECTIONS

TDE .3703 TRA -.6298 TC3 .2327 BAU .1069
 RDE -.3828 RRA -.1505 RC3 .0943 FAU .02366
 FDE -.3261 FRA .1977 FC3 -.6431 BSP 2178
 BDE .5326 BRA .6475 BC3 .2511 FSP -164

MID-COURSE EXECUTION ACCURACY

SGT 794.9 SGR 431.8 SG3 71.1
 RRT -.0510 RRF .0558 RTF -.6836
 SGB 904.6 R23 -.0064 R13 .6839
 SG1 795.3 SG2 431.0 THA 177.75

ORBIT DETERMINATION ACCURACY

ST 423.5 SR 391.5 SS 349.1
 CRT -.8266 CRS -.9523 CST .9557
 LSA 652.3 MSA 169.3 SSA 17.4
 EL1 551.3 EL2 169.2 ALF 137.72

LAUNCH DATE JUN 24 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 179.547

RL 152.05 LAL .00 LOL 271.82 VL 24.371 GAL -2.64 AZL 93.51 HCA 75.32 SMA 115.23 ECC .32251 INC 3.5085 V1 29.301
 RP 108.80 LAP -3.39 LOP 347.11 VP 35.886 GAP -18.55 AZP 90.89 TAL 185.57 TAP 260.89 RCA 78.07 APO 152.39 V2 34.830
 RC 43.796 GL -16.15 GP -2.80 ZAL 103.08 ZAP 4.98 ETS 145.53 ZAE 158.52 ETE 25.29 ZAC 94.72 ETC 13.77 CLP 4.12

PLANETOCENTRIC CONIC

C3 28.706 VHL 5.358 DLA -10.19 RAL 162.80 RAD 6568.2 VEL 12.251 PTH 2.20 VHP 11.320 DPA 4.01 RAP 172.17 ECC 1.4724
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 24 36 1981.12 -13.31 27.21 28.33 115.23 5 57 37 1381.1 -9.80 20.29
 90.00 14 47 9 5268.47 26.95 238.10 33.97 80.96 16 14 58 4668.5 25.42 229.76
 100.00 6 40 53 1734.98 -14.49 8.53 27.74 116.44 7 9 48 1135.0 -10.82 1.66
 100.00 16 13 33 4989.84 28.24 217.35 33.72 79.78 17 36 43 4389.8 26.54 208.97
 110.00 7 37 40 1557.19 -17.60 353.30 26.00 119.79 8 3 37 957.2 -13.51 346.59
 110.00 17 33 16 4740.41 31.70 197.58 32.88 76.49 18 52 16 4140.4 29.52 189.05

DIFFERENTIAL CORRECTIONS

TDE .3724 TRA -.6018 TC3 .2911 BAU .1183
 RDE -.3653 RRA -.1410 RC3 .1012 FAU .02520
 FDE -.3474 FRA .1842 FC3 -.7600 BSP 2307
 BDE .5217 BRA .6181 BC3 .3082 FSP -187

MID-COURSE EXECUTION ACCURACY

SGT 826.7 SGR 433.4 SG3 79.2
 RRT -.0602 RRF .0658 RTF -.7026
 SGB 933.4 R23 -.0076 R13 .7030
 SG1 827.3 SG2 432.4 THA 177.51

ORBIT DETERMINATION ACCURACY

ST 444.0 SR 393.4 SS 368.9
 CRT -.8389 CRS -.9592 CST .9552
 LSA 677.9 MSA 167.6 SSA 18.1
 EL1 569.2 EL2 167.0 ALF 139.11

LAUNCH DATE JUN 24 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 186.253

RL 152.05 LAL .00 LOL 271.82 VL 24.659 GAL -2.73 AZL 93.46 HCA 78.49 SMA 116.66 ECC .30669 INC 3.4558 V1 29.301
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.091 GAP -17.45 AZP 90.69 TAL 186.20 TAP 264.69 RCA 80.88 APO 152.44 V2 34.838
 RC 44.440 GL -16.92 GP -2.97 ZAL 104.36 ZAP 3.70 ETS 126.34 ZAE 156.58 ETE 22.34 ZAC 93.54 ETC 13.72 CLP 2.21

PLANETOCENTRIC CONIC

C3 26.027 VHL 5.102 DLA -10.37 RAL 161.24 RAD 6568.1 VEL 12.141 PTH 2.18 VHP 10.693 DPA 3.36 RAP 173.26 ECC 1.4283
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 19 52 1950.69 -12.42 25.42 25.22 115.65 5 52 23 1350.7 -8.86 18.55
 90.00 14 39 26 5250.16 26.75 236.79 30.65 80.33 16 6 56 4650.2 25.14 228.49
 100.00 6 36 3 1704.89 -13.57 6.77 24.64 116.89 7 4 28 1104.9 -9.85 359.95
 100.00 16 5 56 4971.20 28.01 216.02 30.40 79.11 17 28 47 4371.2 26.22 207.67
 110.00 7 32 36 1527.82 -16.60 351.62 22.92 120.32 7 58 4 927.8 -12.45 344.97
 110.00 17 25 52 4721.03 31.38 196.15 29.53 75.70 18 44 34 4121.0 29.10 187.69

DIFFERENTIAL CORRECTIONS

TDE .3741 TRA -.5736 TC3 .3557 BAU .1293
 RDE -.3493 RRA -.1322 RC3 .1072 FAU .02692
 FDE -.3705 FRA .1680 FC3 -.8955 BSP 2426
 BDE .5118 BRA .5887 BC3 .3715 FSP -212

MID-COURSE EXECUTION ACCURACY

SGT 858.6 SGR 434.3 SG3 88.3
 RRT -.0704 RRF .0774 RTF -.7202
 SGB 962.2 R23 -.0094 R13 .7206
 SG1 859.4 SG2 432.9 THA 177.27

ORBIT DETERMINATION ACCURACY

ST 464.0 SR 394.9 SS 388.9
 CRT -.8508 CRS -.9657 CST .9546
 LSA 703.4 MSA 165.6 SSA 18.8
 EL1 586.8 EL2 164.1 ALF 140.39

LAUNCH DATE JUN 24 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 192.974

RL 152.05 LAL .00 LOL 271.82 VL 24.924 GAL -2.83 AZL 93.40 HCA 81.66 SMA 118.02 ECC .29214 INC 3.4043 V1 29.301
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.280 GAP -16.39 AZP 90.49 TAL 186.90 TAP 268.56 RCA 83.54 APO 152.50 V2 34.846
 RC 45.237 GL -17.66 GP -3.15 ZAL 105.74 ZAP 3.16 ETS 94.23 ZAE 154.75 ETE 19.84 ZAC 92.40 ETC 13.69 CLP .26

PLANETOCENTRIC CONIC

C3 23.743 VHL 4.873 DLA -10.49 RAL 159.60 RAD 6568.0 VEL 12.047 PTH 2.15 VHP 10.095 DPA 2.70 RAP 174.30 ECC 1.3907
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 14 13 1924.35 -11.63 23.88 22.16 116.00 5 46 18 1324.3 -8.04 17.04
 90.00 14 31 57 5231.31 26.52 235.46 27.36 79.70 15 59 8 4631.3 24.83 227.20
 100.00 6 30 21 1678.75 -12.76 5.25 21.58 117.26 6 58 20 1078.8 -9.00 358.47
 100.00 15 58 30 4952.13 27.76 214.66 27.09 78.44 17 21 2 4352.1 25.88 206.36
 110.00 7 26 45 1502.13 -15.71 350.16 19.89 120.75 7 51 47 902.1 -11.52 343.56
 110.00 17 18 35 4701.52 31.05 194.73 26.20 74.92 18 36 57 4101.5 28.67 186.34

DIFFERENTIAL CORRECTIONS

TOE .3760 TRA -.5449 TC3 .4266 BAU .1400
 RDE -.3346 RRA -.1242 RC3 .1117 FAU .02889
 FDE -.3955 FRA .1480 FC3-1.0534 BSP 2555
 BDE .5034 BRA .5589 BC3 .4410 FSP -241

MID-COURSE EXECUTION ACCURACY

SGT 890.5 SGR 434.4 SG3 98.6
 RRT -.0827 RRF .0908 RTF -.7361
 SGB 990.8 R23 -.0112 R13 .7366
 SG1 891.4 SG2 432.5 THA 176.98

ORBIT DETERMINATION ACCURACY

ST 483.6 SR 396.0 SS 409.2
 CRT -.8628 CRS -.9718 CST .9539
 LSA 728.8 MSA 163.2 SSA 19.6
 EL1 604.2 EL2 160.3 ALF 141.56

LAUNCH DATE JUN 24 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 199.705

RL 152.05 LAL .00 LOL 271.82 VL 25.166 GAL -2.94 AZL 93.35 HCA 84.83 SMA 119.31 ECC .27880 INC 3.3536 V1 29.301
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.456 GAP -15.39 AZP 90.30 TAL 187.65 TAP 272.48 RCA 86.05 APO 152.57 V2 34.856
 RC 46.178 GL -18.35 GP -3.35 ZAL 107.20 ZAP 3.77 ETS 61.95 ZAE 153.08 ETE 17.66 ZAC 91.32 ETC 13.67 CLP -1.74

PLANETOCENTRIC CONIC

C3 21.799 VHL 4.669 DLA -10.53 RAL 157.89 RAD 6567.9 VEL 11.966 PTH 2.13 VHP 9.524 DPA 2.05 RAP 175.30 ECC 1.3588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 7 45 1902.19 -10.97 22.59 19.15 116.27 5 39 27 1302.2 -7.35 15.78
 90.00 14 24 47 5211.92 26.28 234.09 24.12 79.06 15 51 39 4611.9 24.50 225.87
 100.00 6 23 51 1656.67 -12.07 3.97 18.58 117.56 6 51 27 1056.7 -8.28 357.23
 100.00 15 51 22 4932.67 27.48 213.27 23.84 77.76 17 13 34 4332.7 25.52 205.02
 110.00 7 20 11 1480.22 -14.95 348.92 16.92 121.11 7 44 52 880.2 -10.72 342.37
 110.00 17 11 30 4681.89 30.69 193.31 22.92 74.15 18 29 32 4081.9 28.21 184.99

DIFFERENTIAL CORRECTIONS

TOE .3776 TRA -.5150 TC3 .5054 BAU .1510
 RDE -.3213 RRA -.1168 RC3 .1144 FAU .03110
 FDE -.4226 FRA .1246 FC3-1.2353 BSP 2679
 BDE .4958 BRA .5281 BC3 .5182 FSP -274

MID-COURSE EXECUTION ACCURACY

SGT 922.3 SGR 433.8 SG3 110.1
 RRT -.0965 RRF .1060 RTF -.7527
 SGB 1019.2 R23 -.0131 R13 .7534
 SG1 923.5 SG2 431.2 THA 176.68

ORBIT DETERMINATION ACCURACY

ST 502.1 SR 396.8 SS 429.4
 CRT -.8746 CRS -.9773 CST .9533
 LSA 753.5 MSA 160.5 SSA 20.4
 EL1 620.7 EL2 155.6 ALF 142.60

LAUNCH DATE JUN 24 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 206.441

RL 152.05 LAL .00 LOL 271.82 VL 25.387 GAL -3.05 AZL 93.30 HCA 88.01 SMA 120.52 ECC .26661 INC 3.3034 V1 29.301
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.618 GAP -14.42 AZP 90.11 TAL 188.45 TAP 276.46 RCA 88.39 APO 152.65 V2 34.865
 RC 47.255 GL -18.99 GP -3.57 ZAL 108.72 ZAP 5.21 ETS 42.56 ZAE 151.58 ETE 15.74 ZAC 90.29 ETC 13.67 CLP -3.80

PLANETOCENTRIC CONIC

C3 20.145 VHL 4.488 DLA -10.50 RAL 156.14 RAD 6567.8 VEL 11.896 PTH 2.11 VHP 8.980 DPA 1.39 RAP 176.23 ECC 1.3315
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 0 31 1884.23 -10.43 21.55 16.22 116.48 5 31 55 1284.2 -6.79 14.76
 90.00 14 18 2 5192.02 26.02 232.69 20.94 78.40 15 44 34 4592.0 24.15 224.52
 100.00 6 16 38 1638.67 -11.50 2.94 15.67 117.78 6 43 56 1038.7 -7.69 356.22
 100.00 15 44 36 4912.82 27.19 211.87 20.66 77.08 17 6 29 4312.8 25.14 203.67
 110.00 7 13 1 1462.09 -14.31 347.91 14.03 121.38 7 37 23 862.1 -10.05 341.39
 110.00 17 4 42 4662.16 30.32 191.90 19.72 73.39 18 22 24 4062.2 27.74 183.65

DIFFERENTIAL CORRECTIONS

TOE .3784 TRA -.4854 TC3 .5864 BAU .1609
 RDE -.3094 RRA -.1102 RC3 .1148 FAU .03361
 FDE -.4527 FRA .0968 FC3-1.4443 BSP 2803
 BDE .4888 BRA .4977 BC3 .5976 FSP -312

MID-COURSE EXECUTION ACCURACY

SGT 952.6 SGR 432.5 SG3 123.1
 RRT -.1127 RRF .1244 RTF -.7668
 SGB 1046.2 R23 -.0161 R13 .7675
 SG1 954.2 SG2 429.0 THA 176.33

ORBIT DETERMINATION ACCURACY

ST 518.9 SR 397.3 SS 450.3
 CRT -.8857 CRS -.9822 CST .9524
 LSA 777.5 MSA 157.9 SSA 21.3
 EL1 636.0 EL2 150.5 ALF 143.49

LAUNCH DATE JUN 24 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 213.181

RL 152.05 LAL .00 LOL 271.82 VL 25.588 GAL -3.16 AZL 93.25 HCA 91.19 SMA 121.65 ECC .25552 INC 3.2533 V1 29.301
 RP 108.66 LAP -3.25 LOP 361.01 VP 36.767 GAP -13.50 AZP 89.93 TAL 189.29 TAP 280.47 RCA 90.57 APO 152.73 V2 34.875
 RC 48.458 GL -19.57 GP -3.82 ZAL 110.28 ZAP 7.04 ETS 32.05 ZAE 150.28 ETE 14.00 ZAC 89.33 ETC 13.68 CLP -5.92

PLANETOCENTRIC CONIC

C3 18.741 VHL 4.329 DLA -10.40 RAL 154.37 RAD 6567.8 VEL 11.837 PTH 2.10 VHP 8.461 DPA .74 RAP 177.09 ECC 1.3084
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 52 39 1870.40 -10.01 20.76 13.40 116.63 5 23 49 1270.4 -6.35 13.98
 90.00 14 11 47 5171.64 25.73 231.27 17.87 77.75 15 37 58 4571.6 23.78 223.14
 100.00 6 8 49 1624.65 -11.05 2.14 12.85 117.95 6 35 54 1024.6 -7.23 355.44
 100.00 15 38 17 4892.63 26.87 210.46 17.58 76.39 16 59 50 4292.6 24.74 202.31
 110.00 7 5 20 1447.68 -13.80 347.10 11.24 121.59 7 29 28 847.7 -9.52 340.62
 110.00 16 58 16 4642.36 29.92 190.49 16.62 72.64 18 15 38 4042.4 27.26 182.32

DIFFERENTIAL CORRECTIONS

TOE .3779 TRA -.4563 TC3 .6701 BAU .1702
 RDE -.2987 RRA -.1043 RC3 .1123 FAU .03644
 FDE -.4847 FRA .0648 FC3-1.6833 BSP 2908
 BDE .4817 BRA .4681 BC3 .6795 FSP -354

MID-COURSE EXECUTION ACCURACY

SGT 981.7 SGR 430.6 SG3 137.8
 RRT -.1304 RRF .1451 RTF -.7792
 SGB 1072.0 R23 -.0201 R13 .7802
 SG1 983.7 SG2 426.0 THA 175.97

ORBIT DETERMINATION ACCURACY

ST 533.3 SR 397.5 SS 470.5
 CRT -.8958 CRS -.9864 CST .9512
 LSA 799.4 MSA 155.7 SSA 22.1
 EL1 649.1 EL2 145.2 ALF 144.20

LAUNCH DATE JUN 24 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 219.918

RL 152.05 LAL .00 LOL 271.82 VL -25.770 GAL -3.27 AZL 93.20 HCA 94.36 SMA 122.71 ECC .24546 INC 3.2031 V1 29.301
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.904 GAP -12.62 AZP 89.76 TAL 190.16 TAP 284.52 RCA 92.59 APO 152.83 V2 34.886
 RC 49.776 GL -20.07 GP -4.09 ZAL 111.86 ZAP 9.09 ETS 25.89 ZAE 149.20 ETE 12.41 ZAC 88.46 ETC 13.70 CLP -8.12

PLANETOCENTRIC CONIC

C3 17.550 VHL 4.189 DLA -10.24 RAL 152.61 RAD 6567.7 VEL 11.787 PTH 2.08 VHP 7.967 DPA .09 RAP 177.86 ECC 1.2888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 44 16 1860.51 -9.70 20.19 10.69 116.73 5 15 17 1260.5 -6.04 13.42
 90.00 14 6 6 5150.84 25.42 229.82 14.91 77.08 15 31 57 4550.8 23.39 221.74
 100.00 6 0 33 1614.46 -10.72 1.56 10.15 118.07 6 27 27 1014.5 -6.89 354.87
 100.00 15 32 31 4872.13 26.54 209.02 14.61 75.71 16 53 43 4272.1 24.31 200.93
 110.00 6 57 16 1436.84 -13.41 346.50 8.57 121.74 7 21 13 836.8 -9.11 340.04
 110.00 16 52 17 4622.51 29.51 189.09 13.64 71.91 18 9 20 4022.5 26.76 180.99

DIFFERENTIAL CORRECTIONS

TDE .3771 TRA -.4268 TC3 .7553 BAU .1790
 RDE -.2892 RRA -.0992 RC3 .1065 FAU .03967
 FDE -.5205 FRA .0272 FC3-1.9568 BSP 3011
 BDE .4752 BRA -.4382 BC3 .7628 FSP -403

MID-COURSE EXECUTION ACCURACY

SGT 1009.1 SGR 428.2 SG3 154.5
 RRT -.1522 RRF .1700 RTF -.7910
 SGB 1096.2 R23 -.0243 R13 .7922
 SG1 1011.6 SG2 422.2 THA 175.52

ORBIT DETERMINATION ACCURACY

ST 545.9 SR 397.7 SS 491.3
 CRT -.9055 CRS -.9900 CST .9499
 LSA 820.6 MSA 153.7 SSA 22.9
 EL1 660.9 EL2 139.4 ALF 144.79

LAUNCH DATE JUN 24 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 226.651

RL 152.05 LAL .00 LOL 271.82 VL 25.936 GAL -3.37 AZL 93.15 HCA 97.54 SMA 123.69 ECC .23638 INC 3.1524 V1 29.301
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.031 GAP -11.77 AZP 89.59 TAL 191.04 TAP 288.59 RCA 94.45 APO 152.92 V2 34.897
 RC 51.201 GL -20.49 GP -4.41 ZAL 113.44 ZAP 11.30 ETS 21.95 ZAE 148.34 ETE 10.92 ZAC 87.67 ETC 13.73 CLP -10.41

PLANETOCENTRIC CONIC

C3 16.539 VHL 4.067 DLA -10.01 RAL 150.88 RAD 6567.7 VEL 11.744 PTH 2.07 VHP 7.496 DPA -.56 RAP 178.55 ECC 1.2722
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 35 32 1854.33 -9.51 19.83 8.11 116.80 5 6 26 1254.3 -5.84 13.08
 90.00 14 1 3 5129.67 25.09 228.36 12.10 76.42 15 26 33 4529.7 22.97 220.33
 100.00 5 51 55 1607.83 -10.51 1.18 7.59 118.14 6 18 43 1007.8 -6.67 354.50
 100.00 15 27 21 4851.37 26.18 207.59 11.79 75.03 16 48 12 4251.4 23.87 199.55
 110.00 6 48 56 1429.35 -13.14 346.09 6.04 121.84 7 12 45 829.4 -8.84 339.63
 110.00 16 46 49 4602.65 29.08 187.71 10.80 71.19 18 3 32 4002.6 26.24 179.68

DIFFERENTIAL CORRECTIONS

TDE .3751 TRA -.3976 TC3 .8392 BAU .1868
 RDE -.2807 RRA -.0949 RC3 .0968 FAU .04334
 FDE -.5594 FRA -.0164 FC3-2.2685 BSP 3114
 BDE .4685 BRA .4088 BC3 .8448 FSP -459

MID-COURSE EXECUTION ACCURACY

SGT 1033.8 SGR 425.5 SG3 173.4
 RRT -.1775 RRF .1987 RTF -.8015
 SGB 1117.9 R23 -.0292 R13 .8030
 SG1 1037.1 SG2 417.4 THA 175.01

ORBIT DETERMINATION ACCURACY

ST 555.7 SR 397.6 SS 511.8
 CRT -.9143 CRS -.9927 CST .9484
 LSA 839.7 MSA 152.2 SSA 23.6
 EL1 670.1 EL2 133.6 ALF 145.22

LAUNCH DATE JUN 24 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 233.377

RL 152.05 LAL .00 LOL 271.82 VL 26.086 GAL -3.48 AZL 93.10 HCA 100.73 SMA 124.59 ECC .22820 INC 3.1009 V1 29.301
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.146 GAP -10.96 AZP 89.42 TAL 191.93 TAP 292.66 RCA 96.16 APO 153.02 V2 34.908
 RC 52.722 GL -20.84 GP -4.76 ZAL 114.99 ZAP 13.64 ETS 19.26 ZAE 147.73 ETE 9.49 ZAC 87.00 ETC 13.77 CLP -12.80

PLANETOCENTRIC CONIC

C3 15.681 VHL 3.960 DLA -9.72 RAL 149.20 RAD 6567.6 VEL 11.707 PTH 2.06 VHP 7.050 DPA -1.21 RAP 179.12 ECC 1.2581
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 26 33 1851.55 -9.43 19.67 5.69 116.82 4 57 24 1251.6 -5.75 12.92
 90.00 13 56 40 5108.21 24.74 226.89 9.44 75.76 15 21 49 4508.2 22.54 218.91
 100.00 5 43 6 1604.57 -10.41 .99 5.17 118.18 6 9 51 1004.6 -6.56 354.32
 100.00 15 22 48 4830.42 25.80- 206.14 9.12 74.36 16 43 19 4230.4 23.41 198.16
 110.00 6 40 28 1424.95 -12.98 345.85 3.65 121.90 7 4 13 825.0 -8.67 339.40
 110.00 16 41 56 4582.80 28.64 186.33 8.11 70.49 17 58 19 3982.8 25.71 178.38

DIFFERENTIAL CORRECTIONS

TDE .3719 TRA -.3694 TC3 .9202 BAU .1937
 RDE -.2733 RRA -.0914 RC3 .0827 FAU .04752
 FDE -.6024 FRA -.0665 FC3-2.6234 BSP 3209
 BDE .4615 BRA .3805 BC3 .9239 FSP -524

MID-COURSE EXECUTION ACCURACY

SGT 1055.8 SGR 422.7 SG3 194.9
 RRT -.2069 RRF .2326 RTF -.8107
 SGB 1137.3 R23 -.0355 R13 .8126
 SG1 1060.0 SG2 411.9 THA 174.42

ORBIT DETERMINATION ACCURACY

ST 562.6 SR 397.5 SS 532.5
 CRT -.9221 CRS -.9948 CST .9466
 LSA 857.1 MSA 151.4 SSA 24.2
 EL1 676.9 EL2 127.9 ALF 145.51

LAUNCH DATE JUN 24 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 240.093

RL 152.05 LAL .00 LOL 271.82 VL 26.221 GAL -3.57 AZL 93.05 HCA 103.91 SMA 125.42 ECC .22088 INC 3.0483 V1 29.301
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.252 GAP -10.17 AZP 89.27 TAL 192.82 TAP 296.73 RCA 97.72 APO 153.12 V2 34.920
 RC 54.330 GL -21.09 GP -5.15 ZAL 116.51 ZAP 16.13 ETS 17.34 ZAE 147.37 ETE 8.08 ZAC 86.44 ETC 13.82 CLP -15.31

PLANETOCENTRIC CONIC

C3 14.952 VHL 3.867 DLA -9.38 RAL 147.60 RAD 6567.6 VEL 11.676 PTH 2.05 VHP 6.626 DPA -1.84 RAP 179.58 ECC 1.2461
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 17 28 1851.84 -9.44 19.69 3.43 116.82 4 48 20 1251.8 -5.76 12.93
 90.00 13 53 0 5086.51 24.37 225.41 6.94 75.11 15 17 46 4486.5 22.09 217.48
 100.00 5 34 12 1604.26 -10.40 .98 2.92 118.18 6 0 56 1004.3 -6.55 354.30
 100.00 15 18 56 4809.33 25.41 204.70 6.62 73.70 16 39 6 4209.3 22.93 196.78
 110.00 6 31 59 1423.35 -12.92 345.76 1.43 121.92 6 55 42 823.3 -8.61 339.31
 110.00 16 37 39 4563.00 28.18 184.97 5.60 69.80 17 53 42 3963.0 25.17 177.09

DIFFERENTIAL CORRECTIONS

TDE .3688 TRA -.3405 TC3 .9996 BAU .2002
 RDE -.2669 RRA -.0889 RC3 .0634 FAU .05233
 FDE -.6504 FRA -.1251 FC3-3.0302 BSP 3325
 BDE .4552 BRA .3519 BC3 1.0016 FSP -601

MID-COURSE EXECUTION ACCURACY

SGT 1075.9 SGR 420.3 SG3 219.5
 RRT -.2431 RRF .2728 RTF -.8201
 SGB 1155.1 R23 -.0416 R13 .8226
 SG1 1081.6 SG2 405.5 THA 173.68

ORBIT DETERMINATION ACCURACY

ST 568.0 SR 397.5 SS 554.1
 CRT -.9297 CRS -.9962 CST .9450
 LSA 874.3 MSA 150.9 SSA 24.7
 EL1 682.5 EL2 121.8 ALF 145.71

LAUNCH DATE JUN 24 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 246.796

RL 152.05 LAL .00 LOL 271.82 VL 26.342 GAL -3.67 AZL 92.99 HCA 107.10 SMA 126.18 ECC .21434 INC 2.9942 V1 29.301
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.349 GAP -9.42 AZP 89.12 TAL 193.69 TAP 300.79 RCA 99.14 APO 153.23 V2 34.932
 RC 56.016 GL -21.27 GP -5.60 ZAL 117.97 ZAP 18.77 ETS 15.91 ZAE 147.27 ETE 6.67 ZAC 86.02 ETC 13.88 CLP -17.94

PLANETOCENTRIC CONIC

C3 14.331 VHL 3.786 DLA -9.00 RAL 146.10 RAD 6567.6 VEL 11.650 PTH 2.05 VHP 6.225 DPA -2.48 RAP 179.90 ECC 1.2358
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 8 25 1854.82 -9.53 19.86 1.35 116.79 4 39 19 1254.8 -5.86 13.10
 90.00 13 50 2 5064.67 23.98 223.93 4.63 74.47 15 14 26 4464.7 21.61 216.05
 100.00 5 25 22 1606.55 -10.47 1.11 .85 118.16 5 52 8 1006.6 -6.63 354.43
 100.00 15 15 46 4788.15 25.00 203.26 4.30 73.05 16 35 34 4188.1 22.44 195.40
 110.00 6 23 36 1424.20 -12.95 345.80 359.38 121.91 6 47 20 824.2 -8.64 339.36
 110.00 16 34 1 4543.28 27.71 183.63 3.26 69.13 17 49 44 3943.3 24.62 175.82

DIFFERENTIAL CORRECTIONS

TDE .3620 TRA -.3152 TC3 1.0651 BAU .2042
 RDE -.2612 RRA -.0872 RC3 .0388 FAU .05772
 FDE -.7016 FRA -.1898 FC3-3.4867 BSP 3378
 BDE .4464 BRA .3270 BC3 1.0658 FSP -685

MID-COURSE EXECUTION ACCURACY

SGT 1088.0 SGR 418.4 SG3 247.1
 RRT -.2820 RRF .3185 RTF -.8259
 SGB 1165.7 R23 -.0515 R13 .8291
 SG1 1095.4 SG2 398.7 THA 172.86

ORBIT DETERMINATION ACCURACY

ST 567.2 SR 397.4 SS 574.6
 CRT -.9351 CRS -.9969 CST .9423
 LSA 886.7 MSA 151.8 SSA 25.0
 EL1 682.6 EL2 117.0 ALF 145.62

LAUNCH DATE JUN 24 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 253.486

RL 152.05 LAL .00 LOL 271.82 VL 26.451 GAL -3.75 AZL 92.94 HCA 110.29 SMA 126.87 ECC .20853 INC 2.9382 V1 29.301
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.437 GAP -8.70 AZP 88.98 TAL 194.53 TAP 304.81 RCA 100.42 APO 153.33 V2 34.945
 RC 57.772 GL -21.36 GP -6.10 ZAL 119.36 ZAP 21.57 ETS 14.81 ZAE 147.44 ETE 5.20 ZAC 85.76 ETC 13.94 CLP -20.73

PLANETOCENTRIC CONIC

C3 13.799 VHL 3.715 DLA -8.58 RAL 144.70 RAD 6567.5 VEL 11.627 PTH 2.04 VHP 5.847 DPA -3.10 RAP 180.06 ECC 1.2271
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 59 30 1860.14 -9.69 20.16 359.44 116.74 4 30 30 1260.1 -6.03 13.40
 90.00 13 47 48 5042.71 23.57 222.45 2.49 73.83 15 11 50 4442.7 21.13 214.62
 100.00 5 16 40 1611.18 -10.62 1.37 358.95 118.11 5 43 31 1011.2 -6.78 354.69
 100.00 15 13 18 4766.91 24.57 201.83 2.16 72.41 16 32 45 4166.9 21.93 194.02
 110.00 6 15 25 1427.22 -13.06 345.97 357.51 121.87 6 39 12 827.2 -8.76 339.52
 110.00 16 31 3 4523.63 27.23 182.31 1.11 68.48 17 46 26 3923.6 24.06 174.57

DIFFERENTIAL CORRECTIONS

TDE .3534 TRA -.2918 TC3 1.1195 BAU .2065
 RDE -.2563 RRA -.0865 RC3 .0080 FAU .06381
 FDE -.7573 FRA -.2630 FC3-4.0031 BSP 3417
 BDE .4365 BRA .3044 BC3 1.1195 FSP -781

MID-COURSE EXECUTION ACCURACY

SGT 1093.6 SGR 417.8 SG3 278.3
 RRT -.3264 RRF .3711 RTF -.8298
 SGB 1170.7 R23 -.0639 R13 .8341
 SG1 1103.3 SG2 391.4 THA 171.86

ORBIT DETERMINATION ACCURACY

ST 562.4 SR 397.5 SS 595.0
 CRT -.9393 CRS -.9971 CST .9389
 LSA 896.7 MSA 153.5 SSA 25.2
 EL1 679.4 EL2 112.9 ALF 145.33

LAUNCH DATE JUN 24 1967

FLIGHT TIME 98.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 260.158

RL 152.05 LAL .00 LOL 271.82 VL 26.547 GAL -3.83 AZL 92.88 HCA 113.48 SMA 127.50 ECC .20339 INC 2.8798 V1 29.301
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.517 GAP -8.00 AZP 88.85 TAL 195.33 TAP 308.80 RCA 101.57 APO 153.43 V2 34.957
 RC 59.590 GL -21.37 GP -6.67 ZAL 120.67 ZAP 24.55 ETS 13.95 ZAE 147.89 ETE 3.63 ZAC 85.68 ETC 14.00 CLP -23.68

PLANETOCENTRIC CONIC

C3 13.341 VHL 3.653 DLA -8.12 RAL 143.42 RAD 6567.5 VEL 11.607 PTH 2.03 VHP 5.491 DPA -3.72 RAP 180.04 ECC 1.2196
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 50 48 1867.49 -9.92 20.59 357.71 116.66 4 21 56 1267.5 -6.26 13.82
 90.00 13 46 17 5020.64 23.14 220.97 .55 73.21 15 9 58 4420.6 20.62 213.20
 100.00 5 8 13 1617.74 -10.83 1.74 357.23 118.03 5 35 11 1017.7 -7.00 355.05
 100.00 15 11 34 4745.63 24.12 200.40 .21 71.79 16 30 39 4145.6 21.41 192.66
 110.00 6 7 31 1432.09 -13.24 346.24 355.82 121.81 6 31 23 832.1 -8.94 339.78
 110.00 16 28 46 4504.03 26.73 181.00 359.15 67.85 17 43 50 3904.0 23.49 173.34

DIFFERENTIAL CORRECTIONS

TDE .3422 TRA -.2712 TC3 1.1596 BAU .2069
 RDE -.2521 RRA -.0868 RC3 -.0299 FAU .07068
 FDE -.8168 FRA -.3448 FC3-4.5867 BSP 3421
 BDE .4251 BRA .2847 BC3 1.1599 FSP -889

MID-COURSE EXECUTION ACCURACY

SGT 1091.0 SGR 419.3 SG3 313.5
 RRT -.3754 RRF .4305 RTF -.8314
 SGB 1168.8 R23 -.0801 R13 .8373
 SG1 1103.9 SG2 384.1 THA 170.65

ORBIT DETERMINATION ACCURACY

ST 552.7 SR 397.7 SS 614.7
 CRT -.9420 CRS -.9968 CST .9346
 LSA 903.5 MSA 156.0 SSA 25.2
 EL1 671.9 EL2 109.8 ALF 144.79

LAUNCH DATE JUN 24 1967

FLIGHT TIME 100.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 266.813

RL 152.05 LAL .00 LOL 271.82 VL 26.633 GAL -3.89 AZL 92.82 HCA 116.67 SMA 128.06 ECC .19887 INC 2.8184 V1 29.301
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.590 GAP -7.33 AZP 88.73 TAL 196.08 TAP 312.75 RCA 102.59 APO 153.53 V2 34.970
 RC 61.464 GL -21.30 GP -7.32 ZAL 121.88 ZAP 27.72 ETS 13.26 ZAE 148.62 ETE 1.90 ZAC 85.79 ETC 14.05 CLP -26.81

PLANETOCENTRIC CONIC

C3 12.943 VHL 3.598 DLA -7.63 RAL 142.27 RAD 6567.5 VEL 11.590 PTH 2.03 VHP 5.158 DPA -4.33 RAP 179.82 ECC 1.2130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 42 25 1876.57 -10.19 21.11 356.17 116.56 4 13 42 1276.6 -6.55 14.33
 90.00 13 45 32 4998.45 22.70 219.49 358.79 72.60 15 8 50 4398.4 20.10 211.78
 100.00 5 0 5 1626.00 -11.09 2.22 355.70 117.94 5 27 11 1026.0 -7.27 355.51
 100.00 15 10 32 4724.25 23.66 198.98 358.45 71.18 16 29 17 4124.2 20.87 191.30
 110.00 5 59 57 1438.57 -13.47 346.60 354.31 121.72 6 23 56 838.6 -9.18 340.13
 110.00 16 27 10 4484.44 26.22 179.70 357.37 67.24 17 41 55 3884.4 22.91 172.11

DIFFERENTIAL CORRECTIONS

TDE .3294 TRA -.2533 TC3 1.1843 BAU .2053
 RDE -.2486 RRA -.0882 RC3 -.0759 FAU .07844
 FDE -.8817 FRA -.4358 FC3-5.2469 BSP 3409
 BDE .4127 BRA .2682 BC3 1.1868 FSP -1014

MID-COURSE EXECUTION ACCURACY

SGT 1080.3 SGR 424.1 SG3 353.2
 RRT -.4291 RRF .4969 RTF -.8307
 SGB 1160.5 R23 -.1005 R13 .8391
 SG1 1097.6 SG2 377.1 THA 169.14

ORBIT DETERMINATION ACCURACY

ST 539.2 SR 398.3 SS 634.7
 CRT -.9433 CRS -.9963 CST .9295
 LSA 909.0 MSA 159.2 SSA 25.1
 EL1 661.6 EL2 107.7 ALF 144.03

LAUNCH DATE JUN 24 1967

FLIGHT TIME 102.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 273.449

RL 152.05 LAL .00 LOL 271.82 VL 26.708 GAL -3.95 AZL 92.75 HCA 119.87 SMA 128.56 ECC .19490 INC 2.7535 V1 29.301
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.656 GAP -6.69 AZP 88.63 TAL 196.76 TAP 316.63 RCA 103.50 APO 153.61 V2 34.983
 RC 63.388 GL -21.14 GP -8.06 ZAL 123.00 ZAP 31.11 ETS 12.68 ZAE 149.64 ETE 359.92 ZAC 86.12 ETC 14.09 CLP -30.16

PLANETOCENTRIC CONIC

C3 12.592 VHL 3.549 DLA -7.12 RAL 141.26 RAD 6567.5 VEL 11.575 PTH 2.02 VHP 4.847 DPA -4.95 RAP 179.39 ECC 1.2072
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 34 23 1887.18 -10.52 21.72 354.81 116.44 4 5 50 1287.2 -6.88 14.93
 90.00 13 45 30 4976.05 22.23 218.01 357.21 72.00 15 8 26 4376.1 19.57 210.36
 100.00 4 52 19 1635.76 -11.40 2.77 354.35 117.82 5 19 35 1035.8 -7.59 356.06
 100.00 15 10 15 4702.71 23.18 197.56 356.86 70.58 16 28 38 4102.7 20.32 189.94
 110.00 5 52 46 1446.45 -13.75 347.04 352.98 121.61 6 16 53 846.5 -9.47 340.55
 110.00 16 26 17 4464.77 25.70 178.42 355.78 66.64 17 40 42 3864.8 22.31 170.90

DIFFERENTIAL CORRECTIONS

TDE .3154 TRA -.2373 TC3 1.1939 BAU .2022
 RDE -.2460 RRA -.0910 RC3 -.1318 FAU .08724
 FDE -.9531 FRA -.5387 FC3-5.9980 BSP 3397
 BDE .4000 BRA .2542 BC3 1.2012 FSP -1159

MID-COURSE EXECUTION ACCURACY

SGT 1061.3 SGR 434.1 SG3 398.4
 RRT -.4870 RRF .5693 RTF -.8281
 SGB 1146.7 R23 -.1255 R13 .8403
 SG1 1085.1 SG2 370.8 THA 167.22

ORBIT DETERMINATION ACCURACY

ST 522.9 SR 399.6 SS 656.1
 CRT -.9436 CRS -.9956 CST .9236
 LSA 914.6 MSA 162.8 SSA 24.8
 EL1 649.4 EL2 106.5 ALF 143.04

LAUNCH DATE JUN 24 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 280.065

RL 152.05 LAL .00 LOL 271.82 VL 26.774 GAL -4.00 AZL 92.68 HCA 123.06 SMA 129.00 ECC .19145 INC 2.6841 V1 29.301
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.715 GAP -6.06 AZP 88.53 TAL 197.38 TAP 320.45 RCA 104.30 APO 153.69 V2 34.996
 RC 63.357 GL -20.91 GP -8.89 ZAL 124.02 ZAP 34.74 ETS 12.17 ZAE 150.94 ETE 357.58 ZAC 86.68 ETC 14.10 CLP -33.72

PLANETOCENTRIC CONIC

C3 12.278 VHL 3.504 DLA -6.57 RAL 140.40 RAD 6567.5 VEL 11.561 PTH 2.02 VHP 4.561 DPA -5.56 RAP 178.71 ECC 1.2021
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 26 43 1899.13 -10.88 22.42 353.63 116.31 3 58 22 1299.1 -7.26 15.61
 90.00 13 46 15 4953.35 21.75 216.53 355.81 71.41 15 8 48 4353.4 19.01 208.93
 100.00 4 44 56 1646.82 -11.75 3.41 353.18 117.68 5 12 22 1046.8 -7.96 356.68
 100.00 15 10 43 4680.89 22.68 196.14 355.46 69.99 16 28 44 4080.9 19.75 188.57
 110.00 5 46 1 1455.57 -14.08 347.54 351.83 121.48 6 10 16 855.6 -9.81 341.04
 110.00 16 26 7 4444.91 25.15 177.13 354.37 66.05 17 40 12 3844.9 21.70 169.68

DIFFERENTIAL CORRECTIONS

TDE .2969 TRA -.2274 TC3 1.1749 BAU .1956
 RDE -.2437 RRA -.0949 RC3 -.1981 FAU .09682
 FDE -1.0238 FRA -.6468 FC3-6.8267 BSP 3312
 BDE .3841 BRA .2464 BC3 1.1915 FSP -1315

MID-COURSE EXECUTION ACCURACY

SGT 1026.5 SGR 450.0 SG3 447.5
 RRT -.5398 RRF .6426 RTF -.8189
 SGB 1120.8 R23 -.1605 R13 .8376
 SG1 1058.9 SG2 367.2 THA 164.82

ORBIT DETERMINATION ACCURACY

ST 498.9 SR 401.3 SS 674.0
 CRT -.9406 CRS -.9947 CST .9146
 LSA 914.1 MSA 167.2 SSA 24.4
 EL1 631.2 EL2 107.7 ALF 141.56

LAUNCH DATE JUN 24 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 286.660

RL 152.05 LAL .00 LOL 271.82 VL 26.831 GAL -4.04 AZL 92.61 HCA 126.26 SMA 129.38 ECC .18845 INC 2.6095 V1 29.301
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.767 GAP -5.46 AZP 88.46 TAL 197.93 TAP 324.19 RCA 105.00 APO 153.77 V2 35.009
 RC 67.365 GL -20.60 GP -9.84 ZAL 124.94 ZAP 38.62 ETS 11.71 ZAE 152.52 ETE 354.72 ZAC 87.51 ETC 14.07 CLP -37.53

PLANETOCENTRIC CONIC

C3 11.991 VHL 3.463 DLA -6.00 RAL 139.67 RAD 6567.5 VEL 11.549 PTH 2.02 VHP 4.298 DPA -6.17 RAP 177.76 ECC 1.1973
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 19 26 1912.35 -11.28 23.18 352.63 116.15 3 51 18 1312.4 -7.67 16.36
 90.00 13 47 46 4930.15 21.24 215.02 354.59 70.82 15 9 57 4330.1 18.43 207.47
 100.00 4 37 56 1659.12 -12.14 4.11 352.18 117.53 5 5 35 1059.1 -8.36 357.37
 100.00 15 11 58 4658.62 22.15 194.69 354.23 69.40 16 29 36 4058.6 19.15 187.18
 110.00 5 39 40 1465.83 -14.44 348.11 350.85 121.32 6 4 6 865.8 -10.19 341.59
 110.00 16 26 43 4424.67 24.59 175.83 353.13 65.47 17 40 27 3824.7 21.07 168.45

DIFFERENTIAL CORRECTIONS

TDE .2753 TRA -.2223 TC3 1.1290 BAU .1864
 RDE -.2421 RRA -.1001 RC3 -.2769 FAU .10726
 FDE -1.0943 FRA -.7605 FC3-7.7440 BSP 3183
 BDE .3666 BRA .2438 BC3 1.1624 FSP -1487

MID-COURSE EXECUTION ACCURACY

SGT 977.6 SGR 474.3 SG3 501.1
 RRT -.5841 RRF .7141 RTF -.8025
 SGB 1086.5 R23 -.2054 R13 .8326
 SG1 1022.3 SG2 368.1 THA 161.73

ORBIT DETERMINATION ACCURACY

ST 469.4 SR 403.7 SS 689.6
 CRT -.9343 CRS -.9940 CST .9022
 LSA 910.3 MSA 171.9 SSA 24.0
 EL1 609.1 EL2 110.9 ALF 139.60

LAUNCH DATE JUN 24 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 293.234

RL 152.05 LAL .00 LOL 271.82 VL 26.880 GAL -4.07 AZL 92.53 HCA 129.47 SMA 129.72 ECC .18586 INC 2.5284 V1 29.301
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.814 GAP -4.88 AZP 88.39 TAL 198.40 TAP 327.86 RCA 105.61 APO 153.82 V2 35.023
 RC 69.409 GL -20.21 GP -10.92 ZAL 125.76 ZAP 42.76 ETS 11.25 ZAE 154.34 ETE 351.11 ZAC 88.61 ETC 13.99 CLP -41.61

PLANETOCENTRIC CONIC

C3 11.725 VHL 3.424 DLA -5.39 RAL 139.10 RAD 6567.4 VEL 11.537 PTH 2.01 VHP 4.060 DPA -6.80 RAP 176.53 ECC 1.1930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 29 1926.88 -11.71 24.03 351.80 115.97 3 44 36 1326.9 -8.12 17.19
 90.00 13 50 8 4906.17 20.69 213.47 353.53 70.23 15 11 54 4306.2 17.81 205.98
 100.00 4 31 17 1672.68 -12.57 4.90 351.36 117.35 4 59 10 1072.7 -8.81 358.13
 100.00 15 14 1 4635.61 21.59 193.21 353.17 68.81 16 31 17 4035.6 18.52 185.76
 110.00 5 33 43 1477.26 -14.84 348.75 350.05 121.15 5 58 20 877.3 -10.61 342.21
 110.00 16 28 5 4403.80 23.99 174.50 352.06 64.89 17 41 29 3803.8 20.41 167.19

DIFFERENTIAL CORRECTIONS

TDE .2525 TRA -.2209 TC3 1.0578 BAU .1757
 RDE -.2412 RRA -.1069 RC3 -.3712 FAU .11865
 FDE -1.1665 FRA -.8815 FC3-8.7611 BSP 3057
 BDE .3492 BRA .2454 BC3 1.1210 FSP -1681

MID-COURSE EXECUTION ACCURACY

SGT 917.1 SGR 509.7 SG3 560.0
 RRT -.6161 RRF .7808 RTF -.7774
 SGB 1049.2 R23 -.2572 R13 .8277
 SG1 979.6 SG2 375.9 THA 157.63

ORBIT DETERMINATION ACCURACY

ST 437.4 SR 407.3 SS 705.1
 CRT -.9243 CRS -.9933 CST .8860
 LSA 907.0 MSA 176.8 SSA 23.4
 EL1 586.3 EL2 115.9 ALF 137.21

LAUNCH DATE JUN 24 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 299.785

RL 152.05 LAL .00 LOL 271.82 VL 26.922 GAL -4.09 AZL 92.44 HCA 132.67 SMA 130.00 ECC .18365 INC 2.4395 V1 29.301
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.856 GAP -4.32 AZP 88.35 TAL 198.78 TAP 331.45 RCA 106.12 APO 153.87 V2 35.036
 RC 71.485 GL -19.72 GP -12.14 ZAL 126.47 ZAP 47.18 ETS 10.77 ZAE 156.36 ETE 346.42 ZAC 90.01 ETC 13.84 CLP -45.96

PLANETOCENTRIC CONIC

C3 11.471 VHL 3.387 DLA -4.73 RAL 138.68 RAD 6567.4 VEL 11.526 PTH 2.01 VHP 3.848 DPA -7.44 RAP 174.99 ECC 1.1888
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 52 1942.83 -12.18 24.96 351.14 115.76 3 38 15 1342.8 -8.62 18.10
 90.00 13 53 24 4881.08 20.11 211.86 352.64 69.63 15 14 45 4281.1 17.15 204.43
 100.00 4 24 59 1687.61 -13.03 5.76 350.70 117.14 4 53 7 1087.6 -9.29 358.97
 100.00 15 16 58 4611.54 20.99 191.68 352.28 68.22 16 33 49 4011.5 17.85 184.29
 110.00 5 28 8 1489.92 -15.29 349.47 349.41 120.95 5 52 57 889.9 -11.07 342.90
 110.00 16 30 18 4381.99 23.35 173.13 351.15 64.30 17 43 20 3782.0 19.70 165.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2250 TRA -.2268 TC3 .9470 BAU .1629 SGT 839.4 SGR 556.8 SG3 620.8 ST 398.3 SR 411.2 SS 713.7
 RDE -.2405 RRA -.1147 RC3 -.4819 FAU .13041 RRT -.6191 RRF .8375 RTF -.7321 CRT -.9058 CRS -.9929 CST .8603
 FDE -1.2270 FRA -.9970 FC3-9.8425 BSP 2870 SGB 1007.3 R23 -.3157 R13 .8221 LSA 896.3 MSA 181.9 SSA 22.9
 BDE .3294 BRA .2541 BC3 1.0626 FSP -1879 SG1 926.0 SG2 396.4 THA 152.14 EL1 558.8 EL2 124.2 ALF 133.99

LAUNCH DATE JUN 24 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 306.314

RL 152.05 LAL .00 LOL 271.82 VL 26.956 GAL -4.10 AZL 92.34 HCA 135.88 SMA 130.23 ECC .18178 INC 2.3408 V1 29.301
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.892 GAP -3.78 AZP 88.32 TAL 199.08 TAP 334.96 RCA 106.56 APO 153.91 V2 35.049
 RC 73.590 GL -19.14 GP -13.51 ZAL 127.08 ZAP 51.87 ETS 10.23 ZAE 158.47 ETE 340.18 ZAC 91.69 ETC 13.59 CLP -50.58

PLANETOCENTRIC CONIC

C3 11.223 VHL 3.350 DLA -4.02 RAL 138.41 RAD 6567.4 VEL 11.516 PTH 2.01 VHP 3.664 DPA -8.12 RAP 173.15 ECC 1.1847
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 28 1960.48 -12.70 26.00 350.64 115.52 3 32 8 1360.5 -9.16 19.11
 90.00 13 57 40 4854.39 19.47 210.17 351.90 69.02 15 18 34 4254.4 16.44 202.80
 100.00 4 18 55 1704.16 -13.55 6.72 350.22 116.90 4 47 20 1104.2 -9.83 359.90
 100.00 15 20 53 4585.94 20.34 190.06 351.53 67.61 16 37 19 3985.9 17.13 182.74
 110.00 5 22 51 1504.05 -15.78 350.26 348.95 120.72 5 47 55 904.0 -11.59 343.67
 110.00 16 33 27 4358.82 22.66 171.68 350.40 63.70 17 46 6 3758.8 18.94 164.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1950 TRA -.2385 TC3 .7976 BAU .1508 SGT 751.0 SGR 617.6 SG3 682.6 ST 355.7 SR 415.3 SS 715.7
 RDE -.2399 RRA -.1236 RC3 -.6120 FAU .14231 RRT -.5806 RRF .8834 RTF -.6544 CRT -.8746 CRS -.9926 CST .8207
 FDE -1.2732 FRA -1.1038 FC-10.9776 BSP 2681 SGB 972.3 R23 -.3620 R13 .8244 LSA 880.8 MSA 187.2 SSA 22.4
 BDE .3091 BRA .2687 BC3 1.0053 FSP -2081 SG1 870.1 SG2 434.0 THA 144.37 EL1 529.9 EL2 135.2 ALF 129.96

LAUNCH DATE JUN 24 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 312.820

RL 152.05 LAL .00 LOL 271.82 VL 26.983 GAL -4.10 AZL 92.23 HCA 139.09 SMA 130.42 ECC .18020 INC 2.2299 V1 29.301
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.924 GAP -3.26 AZP 88.31 TAL 199.29 TAP 338.38 RCA 106.92 APO 153.93 V2 35.062
 RC 75.721 GL -18.43 GP -15.06 ZAL 127.60 ZAP 56.82 ETS 9.59 ZAE 160.48 ETE 331.76 ZAC 93.65 ETC 13.22 CLP -55.48

PLANETOCENTRIC CONIC

C3 10.976 VHL 3.313 DLA -3.24 RAL 138.30 RAD 6567.4 VEL 11.505 PTH 2.00 VHP 3.507 DPA -8.86 RAP 171.00 ECC 1.1806
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 11 1980.30 -13.28 27.17 350.32 115.24 3 26 11 1380.3 -9.77 20.24
 90.00 14 3 5 4825.42 18.75 208.34 351.32 68.38 15 23 30 4225.4 15.65 201.04
 100.00 4 13 0 1722.79 -14.12 7.81 349.90 116.63 4 41 43 1122.8 -10.43 .96
 100.00 15 25 56 4558.16 19.61 188.32 350.94 66.97 16 41 55 3958.2 16.32 181.06
 110.00 5 17 47 1520.02 -16.33 351.17 348.65 120.45 5 43 7 920.0 -12.17 344.54
 110.00 16 37 39 4333.70 21.90 170.14 349.80 63.07 17 49 53 3733.7 18.11 163.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1642 TRA -.2545 TC3 .6106 BAU .1437 SGT 662.3 SGR 694.8 SG3 744.9 ST 313.5 SR 420.1 SS 712.9
 RDE -.2394 RRA -.1339 RC3 -.7659 FAU .15415 RRT -.4794 RRF .9190 RTF -.5223 CRT -.8242 CRS -.9924 CST .7604
 FDE -1.3040 FRA -1.2018 FC-12.1582 BSP 2568 SGB 959.9 R23 -.3518 R13 .8541 LSA 863.4 MSA 192.4 SSA 21.9
 BDE .2903 BRA .2876 BC3 .9795 FSP -2292 SG1 826.1 SG2 488.9 THA 132.14 EL1 502.8 EL2 148.3 ALF 125.10

LAUNCH DATE JUN 24 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 319.304

RL 152.05 LAL .00 LOL 271.82 VL 27.005 GAL -4.09 AZL 92.10 HCA 142.30 SMA 130.57 ECC .17890 INC 2.1035 V1 29.301
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.952 GAP -2.75 AZP 88.34 TAL 199.41 TAP 341.71 RCA 107.21 APO 153.93 V2 35.075
 RC 77.874 GL -17.57 GP -16.79 ZAL 128.03 ZAP 61.99 ETS 8.80 ZAE 162.11 ETE 320.57 ZAC 95.86 ETC 12.69 CLP -60.63

PLANETOCENTRIC CONIC

C3 10.726 VHL 3.275 DLA -2.36 RAL 138.36 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 3.381 DPA -9.69 RAP 168.56 ECC 1.1765
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 50 2002.99 -13.94 28.51 350.17 114.90 3 20 13 1403.0 -10.46 21.55
 90.00 14 9 53 4793.29 17.93 206.34 350.88 67.71 15 29 46 4193.3 14.75 199.11
 100.00 4 7 5 1744.14 -14.76 9.07 349.76 116.29 4 36 9 1144.1 -11.11 2.18
 100.00 15 32 19 4527.37 18.78 186.41 350.51 66.30 16 47 47 3927.4 15.41 179.23
 110.00 5 12 48 1538.40 -16.97 352.22 348.53 120.13 5 38 27 938.4 -12.83 345.55
 110.00 16 43 5 4305.88 21.03 168.44 349.36 62.41 17 54 51 3705.9 17.17 161.44

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1310 TRA -.2770 TC3 .3727 BAU .1453 SGT 589.4 SGR 785.7 SG3 800.3 ST 271.5 SR 422.6 SS 695.2
 RDE -.2374 RRA -.1440 RC3 -.9426 FAU .16459 RRT -.2669 RRF .9447 RTF -.2873 CRT -.7346 CRS -.9923 CST .6579
 FDE -1.2973 FRA -1.2670 FC-13.2850 BSP 2547 SGB 982.2 R23 -.2029 R13 .9233 LSA 834.3 MSA 197.8 SSA 21.5
 BDE .2711 BRA .3122 BC3 1.0136 FSP -2478 SG1 815.7 SG2 547.1 THA 111.24 EL1 474.8 EL2 164.0 ALF 119.06

LAUNCH DATE JUN 24 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 325.764

RL 152.05 LAL .00 LOL 271.82 VL 27.021 GAL -4.07 AZL 91.96 HCA 145.51 SMA 130.69 ECC .17784 INC 1.9572 V1 29.301
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.975 GAP -2.26 AZP 88.39 TAL 199.45 TAP 344.96 RCA 107.44 APO 153.93 V2 35.088
 RC 80.046 GL -16.53 GP -18.74 ZAL 128.38 ZAP 67.34 ETS 7.84 ZAE 162.95 ETE 306.55 ZAC 98.29 ETC 11.98 CLP -66.00

PLANETOCENTRIC CONIC

C3 10.467 VHL 3.235 DLA -1.34 RAL 138.59 RAD 6567.4 VEL 11.483 PTH 2.00 VHP 3.287 OPA -10.64 RAP 165.85 ECC 1.1723
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 40 13 2029.63 -14.69 30.10 350.21 114.48 3 14 2 1429.6 -11.27 23.10
 90.00 14 18 23 4756.75 16.97 204.09 350.61 66.99 15 37 39 4156.8 13.71 196.93
 100.00 4 0 56 1769.25 -15.52 10.55 349.81 115.87 4 30 25 1169.3 -11.91 3.62
 100.00 15 40 21 4492.37 17.81 184.26 350.23 65.59 16 55 13 3892.4 14.36 177.16
 110.00 5 7 45 1560.10 -17.70 353.47 348.60 119.73 5 33 45 960.1 -13.61 346.75
 110.00 16 50 1 4274.28 20.02 166.55 349.06 61.70 18 1 15 3674.3 16.08 159.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0983 TRA -.3034 TC3 .0875 BAU .1608 SGT 567.8 SGR 891.4 SG3 846.5 ST 237.4 SR 421.6 SS 662.2
 RDE -.2332 RRA -.1536 RC3-1.1460 FAU .17313 RRT .0639 RRF .9627 RTF .0583 CRT -.5877 CRS -.9921 CST .4958
 FDE 1.2481 FRA-1.2956 FC-14.3188 BSP 2714 SGB 1056.9 R23 .0448 R13 .9617 LSA 794.2 MSA 203.4 SSA 21.2
 BDE .2531 BRA .3401 BC3 1.1494 FSP -2630 SG1 892.6 SG2 565.9 THA 86.10 EL1 449.0 EL2 180.3 ALF 112.05

LAUNCH DATE JUN 24 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 332.202

RL 152.05 LAL .00 LOL 271.82 VL 27.032 GAL -4.04 AZL 91.78 HCA 148.73 SMA 130.76 ECC .17700 INC 1.7847 V1 29.301
 RP 107.96 LAP -.93 LOP 60.56 VP 37.995 GAP -1.78 AZP 88.47 TAL 199.40 TAP 348.13 RCA 107.62 APO 153.91 V2 35.101
 RC 82.236 GL -15.25 GP -20.94 ZAL 128.64 ZAP 72.79 ETS 6.64 ZAE 162.58 ETE 291.06 ZAC 100.87 ETC 11.05 CLP -71.53

PLANETOCENTRIC CONIC

C3 10.198 VHL 3.193 DLA -.13 RAL 139.02 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 3.227 OPA -11.76 RAP 162.92 ECC 1.1678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 57 2061.87 -15.59 32.04 350.46 113.94 3 7 19 1461.9 -12.23 24.98
 90.00 14 29 3 4714.01 15.82 201.48 350.50 66.20 15 47 37 4114.0 12.47 194.41
 100.00 3 54 14 1799.68 -16.41 12.37 350.07 115.34 4 24 14 1199.7 -12.86 5.37
 100.00 15 50 27 4451.43 16.64 181.78 350.11 64.80 17 4 38 3851.4 13.10 174.77
 110.00 5 2 20 1586.50 -18.59 355.01 348.89 119.22 5 28 47 986.5 -14.55 348.22
 110.00 16 58 50 4237.38 18.81 164.36 348.94 60.92 18 9 27 3637.4 14.79 157.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0694 TRA -.3313 TC3 -.2433 BAU .1913 SGT 626.9 SGR 1014.5 SG3 881.8 ST 217.6 SR 416.3 SS 615.9
 RDE -.2263 RRA -.1626 RC3-1.3821 FAU .17931 RRT .4088 RRF .9754 RTF .4104 CRT -.3849 CRS -.9917 CST .2782
 FDE 1.1577 FRA-1.2883 FC-15.2216 BSP 3135 SGB 1192.6 R23 .1643 R13 .9615 LSA 745.4 MSA 209.5 SSA 21.0
 BDE .2368 BRA .3690 BC3 1.4034 FSP -2761 SG1 1059.2 SG2 547.9 THA 70.37 EL1 426.9 EL2 195.8 ALF 104.48

LAUNCH DATE JUN 24 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 338.618

RL 152.05 LAL .00 LOL 271.82 VL 27.038 GAL -3.99 AZL 91.58 HCA 151.95 SMA 130.80 ECC .17636 INC 1.5769 V1 29.301
 RP 107.92 LAP -.74 LOP 63.78 VP 38.010 GAP -1.31 AZP 88.61 TAL 199.26 TAP 351.21 RCA 107.73 APO 153.87 V2 35.113
 RC 84.440 GL -13.64 GP -23.42 ZAL 128.82 ZAP 78.24 ETS 5.16 ZAE 160.81 ETE 276.54 ZAC 103.53 ETC 9.85 CLP -77.17

PLANETOCENTRIC CONIC

C3 9.915 VHL 3.149 DLA 1.35 RAL 139.67 RAD 6567.4 VEL 11.459 PTH 1.99 VHP 3.204 OPA -13.15 RAP 159.80 ECC 1.1632
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 24 33 2102.23 -16.69 34.49 350.98 113.21 2 59 35 1502.2 -13.41 27.35
 90.00 14 42 38 4662.43 14.38 198.38 350.59 65.34 16 0 20 4062.4 10.93 191.40
 100.00 3 46 31 1837.83 -17.51 14.67 350.60 114.62 4 17 9 1237.8 -14.04 7.59
 100.00 16 3 21 4402.07 15.18 178.84 350.19 63.94 17 16 43 3802.1 11.56 171.93
 110.00 4 56 13 1619.70 -19.68 356.97 349.45 118.53 5 23 12 1019.7 -15.72 350.09
 110.00 17 10 9 4192.96 17.32 161.78 349.01 60.06 18 20 2 3593.0 13.21 155.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0458 TRA -.3600 TC3 -.6262 BAU .2337 SGT 769.4 SGR 1149.1 SG3 897.0 ST 213.8 SR 399.6 SS 543.0
 RDE -.2131 RRA -.1679 RC3-1.6476 FAU .18145 RRT .6530 RRF .9838 RTF .6557 CRT -.1625 CRS -.9903 CST .0409
 FDE 1.0007 FRA-1.2194 FC-15.8428 BSP 3748 SGB 1382.9 R23 .1991 R13 .9636 LSA 673.0 MSA 216.6 SSA 21.2
 BDE .2179 BRA .3973 BC3 1.7626 FSP -2816 SG1 1280.1 SG2 523.1 THA 61.13 EL1 401.7 EL2 209.9 ALF 96.85

LAUNCH DATE JUN 24 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 345.011

RL 152.05 LAL .00 LOL 271.82 VL 27.040 GAL -3.94 AZL 91.32 HCA 155.17 SMA 130.82 ECC .17590 INC 1.3199 V1 29.301
 RP 107.89 LAP -.55 LOP 67.00 VP 38.023 GAP -.86 AZP 88.80 TAL 199.05 TAP 354.22 RCA 107.81 APO 153.83 V2 35.125
 RC 86.655 GL -11.56 GP -26.28 ZAL 128.92 ZAP 83.59 ETS 3.32 ZAE 157.72 ETE 264.84 ZAC 106.18 ETC 8.32 CLP -82.85

PLANETOCENTRIC CONIC

C3 9.620 VHL 3.102 DLA 3.24 RAL 140.59 RAD 6567.3 VEL 11.446 PTH 1.99 VHP 3.223 OPA -14.89 RAP 156.52 ECC 1.1583
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 14 10 2154.83 -18.08 37.73 351.84 112.17 2 50 5 1554.8 -14.91 30.49
 90.00 15 0 18 4597.88 12.51 194.56 350.93 64.39 16 16 56 3997.9 8.96 187.68
 100.00 3 37 2 1887.58 -18.89 17.72 351.47 113.61 4 8 29 1287.6 -15.54 10.53
 100.00 16 20 8 4340.36 13.30 175.22 350.52 62.98 17 32 28 3740.4 9.58 168.42
 110.00 4 48 45 1663.13 -21.07 359.57 350.36 117.56 5 16 28 1063.1 -17.21 352.56
 110.00 17 24 55 4137.59 15.42 158.62 349.32 59.11 18 33 52 3537.6 11.21 152.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0332 TRA -.3852 TC3-1.0539 BAU .2854 SGT 969.1 SGR 1300.5 SG3 892.6 ST 223.3 SR 367.8 SS 445.4
 RDE -.1915 RRA -.1695 RC3-1.9531 FAU .17957 RRT .7886 RRF .9896 RTF .7906 CRT -.0109 CRS -.9865 CST -.1332
 FDE .7836 FRA-1.1002 FC-16.1591 BSP 4546 SGB 1621.9 R23 .2010 R13 .9691 LSA 576.0 MSA 226.3 SSA 22.0
 BDE .1944 BRA .4208 BC3 2.2193 FSP -2818 SG1 1542.0 SG2 502.6 THA 55.36 EL1 367.9 EL2 223.3 ALF 90.60

LAUNCH DATE JUN 24 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 351.382

RL 152.05 LAL .00 LOL 271.82 VL 27.038 GAL -3.87 AZL 90.99 MCA 158.39 SMA 130.80 ECC .17561 INC .9915 V1 29.301
 RP 107.85 LAP -.37 LOP 70.21 VP 38.032 GAP -.43 AZP 89.08 TAL 198.75 TAP 357.14 RCA 107.83 APO 153.77 V2 35.137
 RC 88.880 GL -8.80 GP -29.64 ZAL 128.92 ZAP 88.69 ETS 1.06 ZAE 153.54 ETE 256.33 ZAC 108.71 ETC 6.38 CLP -88.49

PLANETOCENTRIC CONIC

C3 9.320 VHL 3.053 DLA 5.73 RAL 141.84 RAD 6567.3 VEL 11.433 PTH 1.98 VHP 3.291 DPA -17.14 RAP 153.11 ECC 1.1534
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 0 25 2226.67 -19.86 42.25 353.20 110.61 2 37 32 1626.7 -16.88 34.84
 90.00 15 24 6 4513.61 9.98 189.66 351.64 63.36 16 39 20 3913.6 6.33 182.89
 100.00 3 24 28 1955.56 -20.69 21.96 352.86 112.07 3 57 4 1355.6 -17.51 14.61
 100.00 16 42 44 4259.96 10.77 170.59 351.23 61.95 17 53 44 3660.0 6.94 163.91
 110.00 4 38 56 1722.53 -22.90 3.21 351.80 116.10 5 7 38 1122.5 -19.20 356.02
 110.00 17 44 46 4065.74 12.86 154.62 349.99 58.05 18 52 32 3465.7 8.55 148.18

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0378 TRA -.4035 TC3-1.5263 BAU .3434 SGT 1205.3 SGR 1463.6 SG3 860.8 ST 240.7 SR 307.9 SS 311.2
 RDE -.1549 RRA -.1628 RC3-2.2950 FAU .17226 RRT .8610 RRF .9934 RTF .8620 CRT .0210 CRS -.9709 CST -.2316
 FDE -.4896 FRA -.9141 FC-16.0015 BSP 5449 SGB 1896.0 R23 .1945 R13 .9743 LSA 436.1 MSA 242.4 SSA 24.7
 BDE .1595 BRA .4351 BC3 2.7562 FSP -2720 SG1 1831.6 SG2 489.9 THA 51.39 EL1 308.0 EL2 240.6 ALF 87.59

LAUNCH DATE JUN 24 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 357.733

RL 152.05 LAL .00 LOL 271.82 VL 27.032 GAL -3.80 AZL 90.55 MCA 161.61 SMA 130.76 ECC .17546 INC .5536 V1 29.301
 RP 107.82 LAP -.17 LOP 73.44 VP 38.038 GAP -.00 AZP 89.47 TAL 198.38 TAP 360.00 RCA 107.82 APO 153.70 V2 35.149
 RC 91.113 GL -4.98 GP -33.70 ZAL 128.76 ZAP 93.36 ETS 358.24 ZAE 148.39 ETE 250.52 ZAC 111.02 ETC 3.93 CLP -94.04

PLANETOCENTRIC CONIC

C3 9.037 VHL 3.006 DLA 9.18 RAL 143.59 RAD 6567.3 VEL 11.420 PTH 1.98 VHP 3.426 DPA -20.11 RAP 149.52 ECC 1.1487
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 34 2330.86 -22.21 48.98 355.40 108.03 2 19 25 1730.9 -19.54 41.33
 90.00 15 57 51 4397.49 6.37 183.04 353.00 62.35 17 11 8 3797.5 2.62 176.37
 100.00 3 6 24 2054.03 -23.07 28.31 355.08 109.55 3 40 38 1454.0 -20.20 20.69
 100.00 17 14 42 4149.55 7.17 164.37 352.56 60.90 18 23 52 3549.5 3.24 157.80
 110.00 4 24 52 1808.49 -25.36 8.67 354.08 113.72 4 55 0 1208.5 -21.94 1.19
 110.00 18 12 43 3967.86 9.28 149.30 351.27 56.95 19 18 51 3367.9 4.87 143.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .0702 TRA -.4093 TC3-2.0326 BAU .4092 SGT 1461.4 SGR 1666.9 SG3 811.7 ST 274.6 SR 220.0 SS 175.4
 RDE -.1026 RRA -.1519 RC3-2.7097 FAU .16126 RRT .9017 RRF .9960 RTF .9029 CRT -.0581 CRS -.8642 CST -.4016
 FDE -.1681 FRA -.7137 FC-15.4482 BSP 6596 SGB 2216.8 R23 .1795 R13 .9798 LSA 293.3 MSA 260.1 SSA 30.5
 BDE .1243 BRA .4366 BC3 3.3873 FSP -2619 SG1 2162.6 SG2 487.0 THA 49.16 EL1 275.4 EL2 219.0 ALF 172.72

LAUNCH DATE JUN 24 1967

FLIGHT TIME 130.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 364.057

RL 152.05 LAL .00 LOL 271.82 VL 27.022 GAL -3.71 AZL 89.94 MCA 164.84 SMA 130.69 ECC .17545 INC .0469 V1 29.301
 RP 107.78 LAP .02 LOP 76.66 VP 38.042 GAP .41 AZP 90.06 TAL 197.94 TAP 2.78 RCA 107.76 APO 153.62 V2 35.160
 RC 93.352 GL .56 GP -38.79 ZAL 128.24 ZAP 97.36 ETS 354.71 ZAE 142.23 ETE 246.82 ZAC 112.94 ETC .78 CLP -99.46

PLANETOCENTRIC CONIC

C3 8.841 VHL 2.973 DLA 14.20 RAL 146.09 RAD 6567.3 VEL 11.412 PTH 1.98 VHP 3.659 DPA -24.11 RAP 145.61 ECC 1.1455
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 8 30 2495.27 -25.24 60.07 359.13 103.28 1 50 5 1895.3 -23.16 52.02
 90.00 16 49 56 4224.64 .83 173.35 355.64 61.69 18 0 21 3624.6 -2.96 166.72
 100.00 2 37 23 2208.58 -26.20 38.72 358.86 104.93 3 14 12 1608.6 -23.90 30.68
 100.00 18 3 44 3986.55 1.70 155.37 355.16 60.15 19 10 10 3386.6 -2.28 148.85
 110.00 4 2 33 1942.13 -28.71 17.61 357.99 109.40 4 34 55 1342.1 -25.80 9.64
 110.00 18 55 3 3825.78 3.93 141.78 353.77 56.02 19 58 49 3225.8 -.56 135.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .1523 TRA -.3915 TC3-2.5394 BAU .4725 SGT 1724.0 SGR 1848.9 SG3 711.9 ST 377.7 SR 85.4 SS 206.5
 RDE .0025 RRA -.1092 RC3-3.0875 FAU .14053 RRT .9233 RRF .9976 RTF .9242 CRT .5929 CRS -.5641 CST -.9304
 FDE .2897 FRA -.3922 FC-13.7612 BSP 7535 SGB 2527.9 R23 .1732 R13 .9825 LSA 428.3 MSA 68.6 SSA 66.9
 BDE .1523 BRA .4065 BC3 3.9977 FSP -2260 SG1 2479.2 SG2 493.7 THA 47.17 EL1 381.2 EL2 68.2 ALF 7.89

LAUNCH DATE JUN 24 1967

FLIGHT TIME 132.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 370.359

RL 152.05 LAL .00 LOL 271.82 VL 27.010 GAL -3.61 AZL 89.00 MCA 168.06 SMA 130.61 ECC .17557 INC 1.0025 V1 29.301
 RP 107.75 LAP .21 LOP 79.88 VP 38.043 GAP .82 AZP 90.98 TAL 197.42 TAP 5.49 RCA 107.68 APO 153.54 V2 35.170
 RC 95.596 GL 9.07 GP -45.45 ZAL 126.82 ZAP 100.32 ETS 350.24 ZAE 134.74 ETE 244.61 ZAC 114.27 ETC 356.66 CLP -104.80

PLANETOCENTRIC CONIC

C3 8.956 VHL 2.993 DLA 21.90 RAL 149.99 RAD 6567.3 VEL 11.417 PTH 1.98 VHP 4.067 DPA -29.59 RAP 141.04 ECC 1.1474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 3 15 2802.05 -28.20 81.97 5.96 92.74 0 49 57 2202.0 -27.52 73.37
 90.00 18 26 18 3922.84 -8.79 156.40 1.58 62.97 19 31 40 3322.8 -12.34 149.52
 100.00 1 40 4 2489.86 -29.53 58.91 5.86 94.84 2 21 34 1889.9 -28.55 50.24
 100.00 19 32 10 3710.26 -7.60 140.14 .94 61.00 20 34 0 3110.3 -11.41 133.42
 110.00 3 20 33 2175.50 -32.81 34.53 5.36 100.18 3 56 49 1575.5 -31.06 25.74
 110.00 20 8 10 3597.39 -4.78 129.85 359.21 56.11 21 8 7 2997.4 -9.20 123.54

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .3213 TRA -.3369 TC3-2.9582 BAU .5417 SGT 1999.2 SGR 2077.0 SG3 587.5 ST 651.7 SR 338.4 SS 503.7
 RDE .1733 RRA -.0406 RC3-3.4226 FAU .11491 RRT .9367 RRF .9986 RTF .9387 CRT .9641 CRS -.9983 CST -.9568
 FDE .7410 FRA -.0817 FC-11.1079 BSP 8725 SGB 2882.8 R23 .1615 R13 .9856 LSA 881.3 MSA 126.8 SSA 14.3
 BDE .3651 BRA .3393 BC3 4.5239 FSP -1880 SG1 2836.9 SG2 512.3 THA 46.17 EL1 729.9 EL2 80.2 ALF 26.95

LAUNCH DATE JUN 24 1967

FLIGHT TIME 134.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 376.636

RL 152.05 LAL .00 LOL 271.82 VL 26.994 GAL -3.50 AZL 87.37 HCA 171.28 SMA 130.50 ECC .17580 INC 2.6263 V1 29.301
 RP 107.72 LAP .40 LOP 83.11 VP 38.041 GAP 1.21 AZP 92.60 TAL 196.84 TAP 8.12 RCA 107.56 APO 153.44 V2 35.180
 RC 97.843 GL 22.69 GP -54.48 ZAL 122.95 ZAP 101.65 ETS 344.49 ZAE 125.25 ETE 243.25 ZAC 114.62 ETC 351.10 CLP -110.34

PLANETOCENTRIC CONIC

C3 10.245 VHL 3.201 DLA 34.11 RAL 156.99 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 4.858 DPA -37.20 RAP 134.93 ECC 1.1686
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 70.13 19 12 1 3862.16 -27.40 160.68 17.07 68.84 20 16 24 3262.2 -30.03 152.47
 109.87 0 13 21 2915.56 -27.39 90.07 17.07 68.83 1 1 57 2315.6 -30.01 81.87
 70.13 19 12 1 3862.16 -27.40 160.68 17.07 68.84 20 16 24 3262.2 -30.03 152.47
 109.87 0 13 21 2915.56 -27.39 90.07 17.07 68.83 1 1 57 2315.6 -30.01 81.87
 110.00 0 30 58 2861.88 -28.66 86.41 17.60 70.52 1 18 40 2261.9 -31.04 78.02
 110.00 23 53 35 2963.84 -26.15 93.28 16.50 67.16 24 42 59 2363.8 -29.01 85.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .6853 TRA -.1997 TC3-2.9550 BAU .6060 SGT 2295.5 SGR 2296.4 SG3 424.1 ST 1234.8 SR 887.8 SS 874.1
 RDE .4933 RRA .1040 RC3-3.2928 FAU .08172 RRT .9435 RRF .9991 RTF .9480 CRT .9833 CRS-1.0000 CST -.9839
 FDE 1.1578 FRA .2369 FC3-6.9053 BSP 9875 SGB 3247.0 R23 .1519 R13 .9876 LSA 1746.9 MSA 158.9 SSA 4.5
 BDE .8443 BRA .2252 BC3 4.4243 FSP -1364 SG1 3200.7 SG2 545.9 THA 45.01 EL1 1515.1 EL2 131.6 ALF 35.57

LAUNCH DATE JUN 24 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 382.876

RL 152.05 LAL .00 LOL 271.82 VL 26.976 GAL -3.38 AZL 83.87 HCA 174.49 SMA 130.37 ECC .17614 INC 6.1267 V1 29.301
 RP 107.69 LAP .59 LOP 86.34 VP 38.037 GAP 1.59 AZP 96.10 TAL 196.18 TAP 10.67 RCA 107.41 APO 153.34 V2 35.190
 RC 100.092 GL 43.45 GP -67.21 ZAL 113.73 ZAP 100.42 ETS 336.41 ZAE 112.49 ETE 240.97 ZAC 113.35 ETC 342.72 CLP -117.84

PLANETOCENTRIC CONIC

C3 17.468 VHL 4.179 DLA 51.57 RAL 172.81 RAD 6567.7 VEL 11.784 PTH 2.08 VHP 6.766 DPA -47.63 RAP 124.61 ECC 1.2875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.91 18 25 50 4279.06 -35.13 202.33 48.89 49.46 19 37 9 3679.1 -40.08 194.80
 135.09 3 5 44 2730.13 -35.12 79.44 48.88 49.45 3 51 14 2130.1 -40.07 71.92
 44.91 18 25 50 4279.06 -35.13 202.33 48.89 49.46 19 37 9 3679.1 -40.08 194.80
 135.09 3 5 44 2730.13 -35.12 79.44 48.88 49.45 3 51 14 2130.1 -40.07 71.92
 44.91 18 25 50 4279.06 -35.13 202.33 48.89 49.46 19 37 9 3679.1 -40.08 194.80
 135.09 3 5 44 2730.13 -35.12 79.44 48.88 49.45 3 51 14 2130.1 -40.07 71.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 1.5647 TRA .1736 TC3-1.9095 BAU .6409 SGT 2701.0 SGR 2389.9 SG3 239.0 ST 2148.6 SR 1469.1 SS 1061.8
 RDE 1.0501 RRA .4359 RC3-1.9712 FAU .04390 RRT .9428 RRF .9984 RTF .9564 CRT .9896 CRS -.9998 CST -.9922
 FDE 1.3032 FRA .4873 FC3-2.1756 BSP 10972 SGB 3606.6 R23 .1458 R13 .9888 LSA 2804.6 MSA 191.7 SSA 1.9
 BDE 1.8844 BRA .4692 BC3 2.7444 FSP -780 SG1 3555.4 SG2 605.1 THA 41.29 EL1 2596.9 EL2 175.2 ALF 34.26

LAUNCH DATE JUN 24 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 389.016

RL 152.05 LAL .00 LOL 271.82 VL 26.956 GAL -3.23 AZL 70.99 HCA 177.62 SMA 130.23 ECC .17651 INC19.0144 V1 29.301
 RP 107.66 LAP .78 LOP 89.57 VP 38.031 GAP 1.94 AZP 109.00 TAL 195.39 TAP 13.01 RCA 107.25 APO 153.22 V2 35.199
 RC 102.344 GL 64.52 GP -84.27 ZAL 99.54 ZAP 95.72 ETS 296.09 ZAE 92.38 ETE 206.12 ZAC 109.94 ETC 300.38 CLP 178.68

PLANETOCENTRIC CONIC

C3 94.352 VHL 9.713 DLA 62.76 RAL 208.54 RAD 6569.8 VEL 14.687 PTH 2.66 VHP 14.498 DPA -59.88 RAP 96.20 ECC 2.5528
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.33 20 11 38 4762.69 -17.15 234.31 109.42 28.62 21 31 1 4162.7 -24.13 230.54
 148.67 6 5 1 3066.10 -17.14 93.62 109.39 28.62 6 56 7 2466.1 -24.11 89.85
 31.33 20 11 38 4762.69 -17.15 234.31 109.42 28.62 21 31 1 4162.7 -24.13 230.54
 148.67 6 5 1 3066.10 -17.14 93.62 109.39 28.62 6 56 7 2466.1 -24.11 89.85
 31.33 20 11 38 4762.69 -17.15 234.31 109.42 28.62 21 31 1 4162.7 -24.13 230.54
 148.67 6 5 1 3066.10 -17.14 93.62 109.39 28.62 6 56 7 2466.1 -24.11 89.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 3.5566 TRA 2.4169 TC3 -.2655 BAU .3463 SGT 3790.6 SGR 678.9 SG3 91.2 ST 2296.6 SR 449.5 SS 691.2
 RDE -.7157 RRA .3989 RC3 -.0698 FAU .00830 RRT .3052 RRF .4154 RTF .9929 CRT -.7183 CRS .6362 CST -.9938
 FDE .8068 FRA .7225 FC3 -.0762 BSP 11573 SGB 3851.0 R23 .1085 R13 .9940 LSA 2418.9 MSA 321.5 SSA .6
 BDE 3.6279 BRA 2.4496 BC3 .2745 FSP -292 SG1 3796.5 SG2 645.5 THA 3.22 EL1 2319.6 EL2 309.6 ALF 171.85

LAUNCH DATE JUN 24 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 395.804

RL 152.05 LAL .00 LOL 271.82 VL 26.933 GAL -3.20 AZL 134.35 HCA 181.37 SMA 130.08 ECC .17766 INC44.3458 V1 29.301
 RP 107.63 LAP .96 LOP 92.80 VP 38.023 GAP 2.47 AZP 45.66 TAL 195.11 TAP 16.48 RCA 106.97 APO 153.19 V2 35.208
 RC 104.596 GL -61.52 GP 74.74 ZAL 94.28 ZAP 93.95 ETS 171.03 ZAE 73.11 ETE 258.26 ZAC 82.01 ETC 160.33 CLP 105.17

PLANETOCENTRIC CONIC

C3 457.262 VHL 21.384 DLA -51.51 RAL 139.48 RAD 6572.3 VEL 24.053 PTH 3.31 VHP 25.876 DPA 63.95 RAP 314.08 ECC 8.5254
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.98 4 14 55 2284.43 2.37 62.66 47.58 141.48 4 53 0 1684.4 8.61 58.05
 135.02 12 50 43 735.95 2.38 299.85 47.60 141.48 13 2 59 135.9 8.62 295.24
 44.98 4 14 55 2284.43 2.37 62.66 47.58 141.48 4 53 0 1684.4 8.61 58.05
 135.02 12 50 43 735.95 2.38 299.85 47.60 141.48 13 2 59 135.9 8.62 295.24
 44.98 4 14 55 2284.43 2.37 62.66 47.58 141.48 4 53 0 1684.4 8.61 58.05
 135.02 12 50 43 735.95 2.38 299.85 47.60 141.48 13 2 59 135.9 8.62 295.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE 2.3167 TRA 1.7722 TC3 -.0544 BAU 1.2548 SGT 1010.8 SGR 3650.5 SG3 66.7 ST 661.6 SR 3335.9 SS 1613.5
 RDE -12.3675 RRA -2.9639 RC3 .1979 FAU -.01957 RRT -.8747 RRF .9984 RTF -.8491 CRT -.9717 CRS -.9999 CST .9677
 FDE -2.6804 FRA -.5487 FC3 .0371 BSP -11161 SGB 3787.9 R23 -.0813 R13 .9964 LSA 3760.9 MSA 157.7 SSA 1.2
 BDE 12.5826 BRA 3.4534 BC3 .2053 FSP -199 SG1 3757.8 SG2 475.8 THA 103.84 EL1 3397.4 EL2 153.4 ALF 100.93

LAUNCH DATE JUN 24 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 401.753

RL 152.05 LAL .00 LOL 271.82 VL 26.908 GAL -3.00 AZL 105.18 MCA 184.37 SMA 129.91 ECC .17808 INC15.1754 V1 29.301
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.013 GAP 2.76 AZP 74.87 TAL 194.08 TAP 18.45 RCA 106.77 APO 153.04 V2 35.216
 RC 106.849 GL -62.35 GP 70.65 ZAL 100.88 ZAP 103.67 ETS 49.10 ZAE 102.03 ETE 139.24 ZAC 87.23 ETC 42.46 CLP-135.51

PLANETOCENTRIC CONIC

C3 63.064 VHL 7.941 DLA -47.99 RAL 129.94 RAD 6569.2 VEL 13.580 PTH 2.48 VHP 8.324 DPA 73.49 RAP 224.97 ECC 2.0379
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 49.49 3 51 32 1916.85 18.78 44.58 22.09 135.02 4 23 29 1316.9 24.33 38.80
 130.51 11 58 2 5726.12 18.79 266.72 22.10 135.01 13 33 28 5126.1 24.34 260.94
 49.49 3 51 32 1916.85 18.78 44.58 22.09 135.02 4 23 29 1316.9 24.33 38.80
 130.51 11 58 2 5726.12 18.79 266.72 22.10 135.01 13 33 28 5126.1 24.34 260.94
 49.49 3 51 32 1916.85 18.78 44.58 22.09 135.02 4 23 29 1316.9 24.33 38.80
 130.51 11 58 2 5726.12 18.79 266.72 22.10 135.01 13 33 28 5126.1 24.34 260.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.7755 TRA-2.0226 TC3 -.5235 BAU .4815 SGT 3586.9 SGR 1690.3 SG3 185.4 ST 2801.5 SR 1603.2 SS 1354.1
 RDE 2.2154 RRA .3836 RC3 .2283 FAU .02511 RRT -.9165 RRF -.9797 RTF .9773 CRT -.9875 CRS .9976 CST -.9960
 FDE-2.5818 FRA -.8484 FC3 -.3447 BSP 12033 SGB 3965.2 R23 .1407 R13 -.9896 LSA 3492.9 MSA 228.7 SSA 1.3
 BOE 4.3775 BRA 2.0587 BC3 .5711 FSP -.574 SG1 3916.6 SG2 619.1 THA 156.00 EL1 3220.3 EL2 219.8 ALF 150.38

LAUNCH DATE JUN 24 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 407.904

RL 152.05 LAL .00 LOL 271.82 VL 26.882 GAL -2.83 AZL 100.08 MCA 187.57 SMA 129.73 ECC .17883 INC10.0828 V1 29.301
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.001 GAP 3.11 AZP 80.00 TAL 193.19 TAP 20.76 RCA 106.53 APO 152.92 V2 35.223
 RC 109.101 GL -55.77 GP 54.12 ZAL 104.45 ZAP 112.97 ETS 37.90 ZAE 115.81 ETE 135.01 ZAC 93.79 ETC 32.81 CLP-131.74

PLANETOCENTRIC CONIC

C3 32.325 VHL 5.685 DLA -41.74 RAL 133.31 RAD 6568.3 VEL 12.397 PTH 2.24 VHP 5.602 DPA 63.21 RAP 187.27 ECC 1.5320
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 57.95 4 37 20 1665.29 23.64 25.96 13.91 125.46 5 5 5 1065.3 28.10 19.00
 122.05 11 39 5 5643.89 23.65 263.63 13.92 125.45 13 13 9 5043.9 28.12 256.66
 57.95 4 37 20 1665.29 23.64 25.96 13.91 125.46 5 5 5 1065.3 28.10 19.00
 122.05 11 39 5 5643.89 23.65 263.63 13.92 125.45 13 13 9 5043.9 28.12 256.66
 57.95 4 37 20 1665.29 23.64 25.96 13.91 125.46 5 5 5 1065.3 28.10 19.00
 122.05 11 39 5 5643.89 23.65 263.63 13.92 125.45 13 13 9 5043.9 28.12 256.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4610 TRA-1.4932 TC3-1.2744 BAU .6098 SGT 3509.6 SGR 1744.3 SG3 344.6 ST 2553.2 SR 1531.7 SS 1609.4
 RDE 1.5126 RRA .3658 RC3 .6059 FAU .05738 RRT -.9434 RRF -.9956 RTF .9678 CRT -.9899 CRS .9995 CST -.9937
 FDE-3.2723 FRA-1.0412 FC3-1.5367 BSP 12003 SGB 3919.2 R23 .1860 R13 -.9818 LSA 3377.7 MSA 214.4 SSA 1.9
 BOE 2.8887 BRA 1.5373 BC3 1.4111 FSP -1087 SG1 3884.2 SG2 522.7 THA 154.38 EL1 2971.5 EL2 186.7 ALF 149.16

LAUNCH DATE JUN 24 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 414.060

RL 152.05 LAL .00 LOL 271.82 VL 26.854 GAL -2.66 AZL 98.01 MCA 190.80 SMA 129.53 ECC .17972 INC 8.0133 V1 29.301
 RP 107.57 LAP 1.50 LOP 102.51 VP 37.988 GAP 3.46 AZP 82.13 TAL 192.28 TAP 23.08 RCA 106.25 APO 152.81 V2 35.230
 RC 111.351 GL -50.83 GP 42.28 ZAL 106.07 ZAP 120.49 ETS 33.79 ZAE 124.08 ETE 139.81 ZAC 98.66 ETC 29.75 CLP-133.29

PLANETOCENTRIC CONIC

C3 23.263 VHL 4.823 DLA -37.47 RAL 136.55 RAD 6567.9 VEL 12.027 PTH 2.15 VHP 4.742 DPA 53.23 RAP 174.80 ECC 1.3828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.36 5 20 13 1498.48 24.32 12.41 10.41 119.43 5 45 11 898.5 28.04 4.94
 115.64 11 22 5 5647.19 24.33 264.37 10.42 119.43 12 56 12 5047.2 28.05 256.90
 64.36 5 20 13 1498.48 24.32 12.41 10.41 119.43 5 45 11 898.5 28.04 4.94
 115.64 11 22 5 5647.19 24.33 264.37 10.42 119.43 12 56 12 5047.2 28.05 256.90
 64.36 5 20 13 1498.48 24.32 12.41 10.41 119.43 5 45 11 898.5 28.04 4.94
 115.64 11 22 5 5647.19 24.33 264.37 10.42 119.43 12 56 12 5047.2 28.05 256.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0882 TRA-1.2990 TC3-1.9818 BAU .6581 SGT 3686.3 SGR 1463.1 SG3 468.8 ST 2548.9 SR 1228.5 SS 1756.3
 RDE 1.0299 RRA .2424 RC3 .7420 FAU .08227 RRT -.9472 RRF -.9960 RTF .9667 CRT -.9899 CRS .9997 CST -.9930
 FDE-3.5847 FRA-1.0742 FC3-3.0617 BSP 12559 SGB 3966.0 R23 .2093 R13 -.9765 LSA 3323.7 MSA 208.1 SSA 2.6
 BOE 2.3283 BRA 1.3214 BC3 2.1161 FSP -1551 SG1 3941.7 SG2 438.8 THA 159.13 EL1 2825.1 EL2 157.2 ALF 154.41

LAUNCH DATE JUN 24 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 420.211

RL 152.05 LAL .00 LOL 271.82 VL 26.824 GAL -2.47 AZL 96.89 MCA 194.03 SMA 129.33 ECC .18071 INC 6.8882 V1 29.301
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.972 GAP 3.81 AZP 83.32 TAL 191.33 TAP 25.36 RCA 105.96 APO 152.70 V2 35.236
 RC 113.598 GL -47.26 GP 33.84 ZAL 106.56 ZAP 126.37 ETS 30.76 ZAE 128.80 ETE 145.70 ZAC 101.85 ETC 27.48 CLP-135.55

PLANETOCENTRIC CONIC

C3 19.150 VHL 4.376 DLA -34.63 RAL 139.39 RAD 6567.8 VEL 11.855 PTH 2.10 VHP 4.422 DPA 45.57 RAP 169.23 ECC 1.3152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.18 5 57 55 1373.12 24.03 2.22 9.15 115.72 6 20 48 773.1 27.29 354.53
 110.82 11 6 59 5679.10 24.05 266.76 9.16 115.71 12 41 38 5079.1 27.30 259.07
 69.18 5 57 55 1373.12 24.03 2.22 9.15 115.72 6 20 48 773.1 27.29 354.53
 110.82 11 6 59 5679.10 24.05 266.76 9.16 115.71 12 41 38 5079.1 27.30 259.07
 69.18 5 57 55 1373.12 24.03 2.22 9.15 115.72 6 20 48 773.1 27.29 354.53
 110.82 11 6 59 5679.10 24.05 266.76 9.16 115.71 12 41 38 5079.1 27.30 259.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8838 TRA-1.1414 TC3-2.5119 BAU .6659 SGT 3770.2 SGR 1132.6 SG3 515.8 ST 2526.7 SR 944.6 SS 1747.1
 RDE .7196 RRA .1346 RC3 .6751 FAU .09112 RRT -.9395 RRF -.9933 RTF .9627 CRT -.9888 CRS .9997 CST -.9920
 FDE-3.4769 FRA -.8704 FC3-4.1193 BSP 11936 SGB 3936.7 R23 .2330 R13 -.9694 LSA 3207.2 MSA 206.2 SSA 3.5
 BOE 2.0165 BRA 1.1493 BC3 2.6010 FSP -1609 SG1 3918.9 SG2 373.2 THA 164.09 EL1 2694.3 EL2 131.9 ALF 159.66

LAUNCH DATE JUN 24 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 426.344

RL 152.05 LAL .00 LOL 271.82 VL 26.793 GAL -2.28 AZL 96.18 HCA 197.27 SMA 129.12 ECC .18181 INC 6.1781 V1 29.301
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.955 GAP 4.15 AZP 84.10 TAL 190.34 TAP 27.61 RCA 105.65 APO 152.60 V2 35.241
 RC 115.842 GL -44.59 GP 27.73 ZAL 106.35 ZAP 131.07 ETS 28.31 ZAE 131.30 ETE 151.19 ZAC 103.79 ETC 25.56 CLP-137.92

PLANETOCENTRIC CONIC

C3 16.842 VHL 4.104 DLA -32.71 RAL 141.97 RAD 6567.7 VEL 11.757 PTH 2.08 VHP 4.318 DPA 39.79 RAP 166.38 ECC 1.2772
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.89 6 31 9 1272.91 23.61 354.24 9.07 113.33 6 52 22 672.9 26.56 346.44
 107.11 10 54 22 5719.45 23.62 269.68 9.08 113.32 12 29 41 5119.5 26.57 261.88
 72.89 6 31 9 1272.91 23.61 354.24 9.07 113.33 6 52 22 672.9 26.56 346.44
 107.11 10 54 22 5719.45 23.62 269.68 9.08 113.32 12 29 41 5119.5 26.57 261.88
 110.00 9 56 42 609.24 17.30 302.11 5.70 119.95 10 6 51 9.2 21.15 295.10
 110.00 12 27 59 5431.11 30.24 250.12 11.79 106.75 13 58 30 4831.1 32.24 241.47

DIFFERENTIAL CORRECTIONS

TDE-1.7989 TRA-1.0484 TC3-3.0265 BAU .6943
 RDE .5448 RRA .0830 RC3 .5898 FAU .09634
 FDE-3.3230 FRA -.7062 FC3-4.9519 BSP 12365
 BDE 1.8796 BRA 1.0517 BC3 3.0834 FSP -1716

MID-COURSE EXECUTION ACCURACY

SGT 3937.5 SGR 912.1 SG3 542.4
 RRT -.9335 RRF -.9881 RTF .9622
 SGB 4041.8 R23 .2339 R13 -.9664
 SG1 4029.1 SG2 319.7 THA 167.72

ORBIT DETERMINATION ACCURACY

ST 2566.1 SR 761.9 SS 1736.1
 CRT -.9886 CRS .9997 CST -.9917
 LSA 3184.1 MSA 202.7 SSA 4.5
 EL1 2674.6 EL2 109.9 ALF 163.61

LAUNCH DATE JUN 24 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 432.461

RL 152.05 LAL .00 LOL 271.82 VL 26.761 GAL -2.07 AZL 95.69 HCA 200.51 SMA 128.91 ECC .18303 INC 5.6867 V1 29.301
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.937 GAP 4.49 AZP 84.67 TAL 189.32 TAP 29.83 RCA 105.31 APO 152.50 V2 35.246
 RC 118.080 GL -42.52 GP 23.22 ZAL 105.66 ZAP 134.95 ETS 26.29 ZAE 132.50 ETE 155.86 ZAC 104.84 ETC 23.91 CLP-140.24

PLANETOCENTRIC CONIC

C3 15.374 VHL 3.921 DLA -31.43 RAL 144.43 RAD 6567.6 VEL 11.694 PTH 2.06 VHP 4.314 DPA 35.34 RAP 164.92 ECC 1.2530
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.77 7 0 15 1191.98 23.26 347.91 9.71 111.75 7 20 7 592.0 26.00 340.06
 104.23 10 44 54 5758.87 23.27 272.52 9.71 111.74 12 20 53 5158.9 26.01 264.67
 75.77 7 0 15 1191.98 23.26 347.91 9.71 111.75 7 20 7 592.0 26.00 340.06
 104.23 10 44 54 5758.87 23.27 272.52 9.71 111.74 12 20 53 5158.9 26.01 264.67
 110.00 9 38 54 676.66 14.97 305.94 5.36 121.09 9 50 11 76.7 18.98 299.12
 110.00 13 5 25 5322.18 32.11 242.18 12.78 102.40 14 34 7 4722.2 33.49 233.22

DIFFERENTIAL CORRECTIONS

TDE-1.7570 TRA -.9649 TC3-3.4781 BAU .7218
 RDE .4319 RRA .0505 RC3 .4847 FAU .09676
 FDE-3.1209 FRA -.5275 FC3-5.4488 BSP 12788
 BDE 1.8093 BRA .9662 BC3 3.5117 FSP -1737

MID-COURSE EXECUTION ACCURACY

SGT 4094.0 SGR 741.8 SG3 545.6
 RRT -.9219 RRF -.9779 RTF .9615
 SGB 4160.7 R23 .2251 R13 -.9641
 SG1 4151.0 SG2 283.4 THA 170.47

ORBIT DETERMINATION ACCURACY

ST 2616.1 SR 631.8 SS 1703.5
 CRT -.9887 CRS .9998 CST -.9914
 LSA 3178.9 MSA 199.5 SSA 5.5
 EL1 2689.8 EL2 92.0 ALF 166.55

LAUNCH DATE JUN 24 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 438.561

RL 152.05 LAL .00 LOL 271.82 VL 26.727 GAL -1.85 AZL 95.32 HCA 203.75 SMA 128.68 ECC .18436 INC 5.3245 V1 29.301
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.917 GAP 4.83 AZP 85.12 TAL 188.25 TAP 32.01 RCA 104.96 APO 152.41 V2 35.250
 RC 120.312 GL -40.85 GP 19.79 ZAL 104.61 ZAP 138.25 ETS 24.62 ZAE 132.95 ETE 159.68 ZAC 105.26 ETC 22.49 CLP-142.45

PLANETOCENTRIC CONIC

C3 14.364 VHL 3.790 DLA -30.58 RAL 146.85 RAD 6567.6 VEL 11.651 PTH 2.05 VHP 4.365 DPA 31.82 RAP 164.29 ECC 1.2364
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.94 7 25 25 1127.82 23.03 342.99 10.83 110.70 7 44 13 527.8 25.64 335.11
 102.06 10 39 2 5792.69 23.04 274.97 10.83 110.68 12 15 35 5192.7 25.65 267.08
 77.94 7 25 25 1127.82 23.03 342.99 10.83 110.70 7 44 13 527.8 25.64 335.11
 102.06 10 39 2 5792.69 23.04 274.97 10.83 110.68 12 15 35 5192.7 25.65 267.08
 110.00 9 34 2 708.99 13.83 307.75 6.08 121.58 9 45 51 109.0 17.90 301.01
 110.00 13 29 36 5259.51 32.93 237.48 13.87 99.72 14 57 15 4659.5 33.92 228.38

DIFFERENTIAL CORRECTIONS

TDE-1.7402 TRA -.8829 TC3-3.8769 BAU .7480
 RDE .3565 RRA .0304 RC3 .3793 FAU .09443
 FDE-2.9116 FRA -.3525 FC3-5.6912 BSP 13194
 BDE 1.7764 BRA .8835 BC3 3.8954 FSP -1709

MID-COURSE EXECUTION ACCURACY

SGT 4238.0 SGR 613.2 SG3 535.2
 RRT -.9026 RRF -.9598 RTF .9606
 SGB 4282.1 R23 .2079 R13 -.9623
 SG1 4274.1 SG2 261.8 THA 172.53

ORBIT DETERMINATION ACCURACY

ST 2673.1 SR 539.3 SS 1662.4
 CRT -.9893 CRS .9998 CST -.9912
 LSA 3187.7 MSA 196.0 SSA 6.6
 EL1 2725.9 EL2 77.1 ALF 168.70

LAUNCH DATE JUN 24 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 444.644

RL 152.05 LAL .00 LOL 271.82 VL 26.693 GAL -1.63 AZL 95.04 HCA 207.00 SMA 128.45 ECC .18580 INC 5.0448 V1 29.301
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.896 GAP 5.17 AZP 85.50 TAL 187.16 TAP 34.16 RCA 104.59 APO 152.32 V2 35.253
 RC 122.538 GL -39.45 GP 17.12 ZAL 103.29 ZAP 141.13 ETS 23.23 ZAE 132.98 ETE 162.77 ZAC 105.20 ETC 21.26 CLP-144.55

PLANETOCENTRIC CONIC

C3 13.635 VHL 3.693 DLA -30.06 RAL 149.28 RAD 6567.5 VEL 11.620 PTH 2.04 VHP 4.449 DPA 28.94 RAP 164.21 ECC 1.2244
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.48 7 46 32 1080.07 22.92 339.38 12.31 109.99 8 4 32 480.1 25.44 331.47
 100.52 10 37 19 5817.54 22.93 276.78 12.32 109.98 12 14 16 5217.5 25.45 268.87
 79.48 7 46 32 1080.07 22.92 339.38 12.31 109.99 8 4 32 480.1 25.44 331.47
 100.52 10 37 19 5817.54 22.93 276.78 12.32 109.98 12 14 16 5217.5 25.45 268.87
 110.00 9 35 35 724.55 13.27 308.61 7.39 121.79 9 47 40 124.5 17.38 301.91
 110.00 13 47 26 5221.05 33.34 234.55 15.26 98.04 15 14 27 4621.1 34.09 225.39

DIFFERENTIAL CORRECTIONS

TDE-1.7420 TRA -.7997 TC3-4.2351 BAU .7737
 RDE .3055 RRA .0186 RC3 .2827 FAU .09077
 FDE-2.7178 FRA -.1905 FC3-5.7634 BSP 13600
 BDE 1.7686 BRA .7999 BC3 4.2445 FSP -1658

MID-COURSE EXECUTION ACCURACY

SGT 4375.4 SGR 519.1 SG3 518.5
 RRT -.8728 RRF -.9307 RTF .9597
 SGB 4406.1 R23 .1849 R13 -.9608
 SG1 4398.9 SG2 252.0 THA 174.07

ORBIT DETERMINATION ACCURACY

ST 2738.6 SR 474.2 SS 1622.2
 CRT -.9905 CRS .9998 CST -.9911
 LSA 3212.4 MSA 192.2 SSA 7.7
 EL1 2778.6 EL2 64.4 ALF 170.26

LAUNCH DATE JUN 24 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 450.708

RL 152.05 LAL .00 LOL 271.82 VL 26.658 GAL -1.39 AZL 94.82 HCA 210.24 SMA 128.22 ECC .18736 INC 4.8211 V1 29.301
 RP 107.49 LAP 2.43 LOP 121.98 VP 37.873 GAP 5.50 AZP 85.83 TAL 186.04 TAP 36.28 RCA 104.20 APO 152.24 V2 35.256
 RC 124.755 GL -38.24 GP 15.01 ZAL 101.74 ZAP 143.69 ETS 22.07 ZAE 132.77 ETE 165.27 ZAC 104.79 ETC 20.18 CLP-146.54

PLANETOCENTRIC CONIC

C3 13.095 VHL 3.619 DLA -29.77 RAL 151.76 RAD 6567.5 VEL 11.597 PTH 2.03 VHP 4.553 DPA 26.52 RAP 164.52 ECC 1.2155
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.41 8 3 31 1048.63 22.91 337.04 14.10 109.54 8 20 59 448.6 25.37 329.11
 99.59 10 40 5 5831.44 22.92 277.81 14.10 109.53 12 17 16 5231.4 25.38 269.88
 100.00 10 20 19 606.56 21.26 303.93 13.43 111.52 10 30 25 6.6 24.00 296.20
 100.00 11 5 58 5748.73 24.59 272.28 14.71 107.55 12 41 47 5148.7 26.76 264.15
 110.00 9 41 14 729.93 13.08 308.91 9.13 121.87 9 53 24 129.9 17.20 302.22
 110.00 14 1 33 5198.13 33.54 232.79 16.94 97.01 15 28 11 4598.1 34.15 223.60

DIFFERENTIAL CORRECTIONS

TDE-1.7564 TRA -.7136 TC3-4.5590 BAU .7989
 RDE .2704 RRA .0126 RC3 .1973 FAU .08652
 FDE-2.5414 FRA -.0447 FC3-5.7197 BSP 14012
 BDE 1.7771 BRA .7137 BC3 4.5633 FSP -1599

MID-COURSE EXECUTION ACCURACY

SGT 4507.2 SGR 451.8 SG3 498.8
 RRT -.8306 RRF -.8876 RTF .9590
 SGB 4529.8 R23 .1591 R13 -.9597
 SG1 4522.9 SG2 250.8 THA 175.23

ORBIT DETERMINATION ACCURACY

ST 2810.0 SR 428.1 SS 1583.6
 CRT -.9921 CRS .9997 CST -.9911
 LSA 3248.3 MSA 187.9 SSA 8.8
 EL1 2841.9 EL2 53.2 ALF 171.40

LAUNCH DATE JUN 24 1967

FLIGHT TIME 160.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 456.756

RL 152.05 LAL .00 LOL 271.82 VL 26.622 GAL -1.14 AZL 94.64 HCA 213.49 SMA 127.98 ECC .18904 INC 4.6370 V1 29.301
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.850 GAP 5.84 AZP 86.13 TAL 184.88 TAP 38.37 RCA 103.79 APO 152.18 V2 35.258
 RC 126.964 GL -37.15 GP 13.30 ZAL 100.00 ZAP 146.00 ETS 21.11 ZAE 132.43 ETE 167.29 ZAC 104.09 ETC 19.23 CLP-148.42

PLANETOCENTRIC CONIC

C3 12.694 VHL 3.563 DLA -29.66 RAL 154.30 RAD 6567.5 VEL 11.579 PTH 2.03 VHP 4.671 DPA 24.43 RAP 165.13 ECC 1.2089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.78 8 16 32 1032.71 22.98 335.89 16.14 109.28 8 33 45 432.7 25.40 327.94
 99.22 10 47 20 5833.97 22.99 278.03 16.14 109.27 12 24 34 5234.0 25.41 270.08
 100.00 10 21 59 627.00 20.75 305.23 15.23 112.02 10 32 26 27.0 23.55 297.55
 100.00 11 24 34 5714.91 25.27 269.99 16.95 106.53 12 59 49 5114.9 27.29 261.78
 110.00 9 49 48 728.48 13.13 308.83 11.19 121.85 10 1 57 128.5 17.25 302.13
 110.00 14 13 14 5186.19 33.64 231.87 18.90 96.48 15 39 41 4586.2 34.17 222.67

DIFFERENTIAL CORRECTIONS

TDE-1.7783 TRA -.6194 TC3-4.8402 BAU .8217
 RDE .2458 RRA .0099 RC3 .1216 FAU .08172
 FDE-2.3791 FRA .0929 FC3-5.5736 BSP 14361
 BDE 1.7952 BRA .6195 BC3 4.8418 FSP -1525

MID-COURSE EXECUTION ACCURACY

SGT 4624.7 SGR 405.1 SG3 476.7
 RRT -.7741 RRF -.8292 RTF .9579
 SGB 4642.4 R23 .1349 R13 -.9584
 SG1 4635.4 SG2 255.9 THA 176.11

ORBIT DETERMINATION ACCURACY

ST 2882.2 SR 395.4 SS 1544.9
 CRT -.9940 CRS .9993 CST -.9911
 LSA 3288.9 MSA 183.6 SSA 9.9
 EL1 2908.9 EL2 42.9 ALF 172.23

LAUNCH DATE JUN 24 1967

FLIGHT TIME 162.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 462.784

RL 152.05 LAL .00 LOL 271.82 VL 26.585 GAL -.87 AZL 94.48 HCA 216.74 SMA 127.74 ECC .19086 INC 4.4821 V1 29.301
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.825 GAP 6.17 AZP 86.41 TAL 183.70 TAP 40.44 RCA 103.36 APO 152.12 V2 35.259
 RC 129.165 GL -36.15 GP 11.91 ZAL 98.09 ZAP 148.11 ETS 20.30 ZAE 132.04 ETE 168.94 ZAC 103.17 ETC 18.39 CLP-150.20

PLANETOCENTRIC CONIC

C3 12.401 VHL 3.522 DLA -29.69 RAL 156.92 RAD 6567.5 VEL 11.567 PTH 2.02 VHP 4.800 DPA 22.59 RAP 165.97 ECC 1.2041
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.69 8 26 16 1030.03 23.11 335.74 18.42 109.17 8 43 26 430.0 25.51 327.78
 99.31 10 58 30 5826.70 23.13 277.54 18.42 109.15 12 35 37 5226.7 25.53 269.58
 100.00 10 34 15 616.21 21.02 304.54 17.58 111.76 10 44 31 16.2 23.79 296.84
 100.00 11 33 13 5715.76 25.25 270.05 19.17 106.55 13 8 29 5115.8 27.28 261.84
 110.00 10 0 38 722.26 13.35 308.48 13.53 121.76 10 12 40 122.3 17.46 301.78
 110.00 14 23 19 5182.47 33.67 231.59 21.13 96.31 15 49 42 4582.5 34.17 222.38

DIFFERENTIAL CORRECTIONS

TDE-1.8111 TRA -.5226 TC3-5.0970 BAU .8451
 RDE .2295 RRA .0102 RC3 .0578 FAU .07716
 FDE-2.2402 FRA .2108 FC3-5.3864 BSP 14766
 BDE 1.8255 BRA .5227 BC3 5.0973 FSP -1462

MID-COURSE EXECUTION ACCURACY

SGT 4746.3 SGR 376.2 SG3 455.8
 RRT -.7087 RRF -.7600 RTF .9574
 SGB 4761.2 R23 .1125 R13 -.9577
 SG1 4753.8 SG2 265.0 THA 176.78

ORBIT DETERMINATION ACCURACY

ST 2963.1 SR 373.5 SS 1513.1
 CRT -.9959 CRS .9985 CST -.9913
 LSA 3343.2 MSA 178.7 SSA 11.0
 EL1 2986.4 EL2 33.4 ALF 172.84

LAUNCH DATE JUN 24 1967

FLIGHT TIME 164.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 468.794

RL 152.05 LAL .00 LOL 271.82 VL 26.548 GAL -.60 AZL 94.35 HCA 219.98 SMA 127.50 ECC .19281 INC 4.3489 V1 29.301
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.799 GAP 6.50 AZP 86.67 TAL 182.49 TAP 42.48 RCA 102.92 APO 152.08 V2 35.259
 RC 131.355 GL -35.19 GP 10.75 ZAL 96.03 ZAP 150.06 ETS 19.64 ZAE 131.62 ETE 170.30 ZAC 102.06 ETC 17.63 CLP-151.89

PLANETOCENTRIC CONIC

C3 12.201 VHL 3.493 DLA -29.81 RAL 159.63 RAD 6567.5 VEL 11.558 PTH 2.02 VHP 4.937 DPA 20.92 RAP 166.99 ECC 1.2008
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.26 8 33 46 1037.19 23.29 336.33 20.92 109.16 8 51 3 437.2 25.69 328.36
 99.74 11 12 38 5812.62 23.30 276.56 20.93 109.15 12 49 31 5212.6 25.70 268.59
 100.00 10 56 19 5864.75 22.00 279.92 20.42 110.77 12 34 4 5264.7 24.62 272.11
 100.00 11 32 46 5748.34 24.60 272.25 21.40 107.54 13 8 34 5148.3 26.77 264.12
 110.00 10 13 17 712.63 13.70 307.95 16.13 121.63 10 25 9 112.6 17.78 301.22
 110.00 14 32 18 5185.18 33.64 231.80 23.60 96.43 15 58 43 4585.2 34.17 222.59

DIFFERENTIAL CORRECTIONS

TDE-1.8473 TRA -.4152 TC3-5.3129 BAU .8666
 RDE .2187 RRA .0117 RC3 .0033 FAU .07253
 FDE-2.1113 FRA .3239 FC3-5.1465 BSP 15130
 BDE 1.8602 BRA .4153 BC3 5.3129 FSP -1397

MID-COURSE EXECUTION ACCURACY

SGT 4855.3 SGR 359.4 SG3 434.5
 RRT -.6378 RRF -.6843 RTF .9565
 SGB 4868.5 R23 .0939 R13 -.9568
 SG1 4860.7 SG2 276.5 THA 177.29

ORBIT DETERMINATION ACCURACY

ST 3041.3 SR 358.8 SS 1480.1
 CRT -.9976 CRS .9970 CST -.9915
 LSA 3396.9 MSA 174.0 SSA 12.1
 EL1 3062.3 EL2 24.7 ALF 173.29

LAUNCH DATE JUN 24 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 474.784

RL 152.05 LAL .00 LOL 271.82 VL 26.510 GAL -.31 AZL 94.23 MCA 223.23 SMA 127.26 ECC .19491 INC 4.2327 V1 29.301
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.772 GAP 6.84 AZP 86.91 TAL 181.26 TAP 44.49 RCA 102.45 APO 152.06 V2 35.259
 RC 133.537 GL -34.26 GP 9.77 ZAL 93.84 ZAP 151.87 ETS 19.09 ZAE 131.21 ETE 171.43 ZAC 100.80 ETC 16.96 CLP-153.49

PLANETOCENTRIC CONIC

C3 12.082 VHL 3.476 OLA -30.01 RAL 162.43 RAD 6567.5 VEL 11.553 PTH 2.02 VHP 5.081 DPA 19.39 RAP 168.16 ECC 1.1988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.61 8 40 0 1050.91 23.48 337.43 23.64 109.25 8 57 31 450.9 25.89 329.45
 100.39 11 28 46 5794.76 23.49 275.30 23.64 109.23 13 5 21 5194.8 25.90 267.32
 79.61 8 40 0 1050.91 23.48 337.43 23.64 109.25 8 57 31 450.9 25.89 329.45
 100.39 11 28 46 5794.76 23.49 275.30 23.64 109.23 13 5 21 5194.8 25.90 267.32
 110.00 10 27 25 700.69 14.12 307.29 18.96 121.46 10 39 6 100.7 18.18 300.53
 110.00 14 40 32 5192.98 33.58 232.40 26.29 96.78 16 7 5 4593.0 34.16 223.20

DIFFERENTIAL CORRECTIONS

TDE-1.8903 TRA -.3045 TC3-5.5004 BAU .8885
 RDE .2125 RRA .0150 RC3 -.0410 FAU .06831
 FDE-1.9996 FRA .4180 FC3-4.8948 BSP 15475
 BDE 1.9022 BRA .3048 BC3 5.5006 FSP -1334

MID-COURSE EXECUTION ACCURACY

SGT 4966.5 SGR 352.6 SG3 415.0
 RRT -.5705 RRF -.6111 RTF .9565
 SGB 4979.0 R23 .0773 R13 -.9567
 SG1 4970.6 SG2 289.4 THA 177.67

ORBIT DETERMINATION ACCURACY

ST 3122.8 SR 350.4 SS 1451.6
 CRT -.9987 CRS .9948 CST -.9918
 LSA 3457.4 MSA 168.4 SSA 13.2
 EL1 3142.4 EL2 17.5 ALF 173.61

LAUNCH DATE JUN 24 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE .000

RL 152.05 LAL .00 LOL 271.82 VL 26.472 GAL .00 AZL 94.13 MCA 226.48 SMA 127.01 ECC .19716 INC 4.1297 V1 29.301
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.744 GAP 7.17 AZP 87.15 TAL 180.00 TAP 46.48 RCA 101.97 APO 152.05 V2 35.257
 RC 135.709 GL -33.33 GP 8.94 ZAL 91.51 ZAP 153.56 ETS 18.64 ZAE 130.81 ETE 172.36 ZAC 99.40 ETC 16.34 CLP-155.02

PLANETOCENTRIC CONIC

C3 12.039 VHL 3.470 OLA -30.28 RAL 165.35 RAD 6567.5 VEL 11.551 PTH 2.02 VHP 5.231 DPA 17.95 RAP 169.47 ECC 1.1981
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.81 8 45 41 1069.18 23.70 338.87 26.58 109.42 9 3 30 469.2 26.13 330.88
 101.19 11 46 24 5775.00 23.71 273.91 26.59 109.40 13 22 39 5175.0 26.14 265.92
 78.81 8 45 41 1069.18 23.70 338.87 26.58 109.42 9 3 30 469.2 26.13 330.88
 101.19 11 46 24 5775.00 23.71 273.91 26.59 109.40 13 22 39 5175.0 26.14 265.92
 110.00 10 43 2 686.78 14.62 306.51 22.04 121.25 10 54 29 86.8 18.65 299.71
 110.00 14 48 14 5205.40 33.48 233.35 29.23 97.34 16 14 59 4605.4 34.13 224.17

DIFFERENTIAL CORRECTIONS

TDE-1.8654 TRA -.0731 TC3-5.8995 BAU .9496
 RDE .2031 RRA .0079 RC3 -.0440 FAU .07217
 FDE-1.7733 FRA .7067 FC3-5.1900 BSP 10890
 BDE 1.8764 BRA .0735 BC3 5.8997 FSP -420

MID-COURSE EXECUTION ACCURACY

SGT 5125.3 SGR 337.0 SG3 417.7
 RRT -.5268 RRF -.5226 RTF .9515
 SGB 5136.3 R23 .0233 R13 -.9515
 SG1 5128.3 SG2 286.3 THA 178.01

ORBIT DETERMINATION ACCURACY

ST 3083.0 SR 335.3 SS 1337.1
 CRT -.9991 CRS .9879 CST -.9886
 LSA 3372.0 MSA 185.1 SSA 14.2
 EL1 3101.2 EL2 14.2 ALF 173.80

LAUNCH DATE JUN 24 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 486.703

RL 152.05 LAL .00 LOL 271.82 VL 26.433 GAL .31 AZL 94.04 MCA 229.72 SMA 126.76 ECC .19957 INC 4.0372 V1 29.301
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.715 GAP 7.52 AZP 87.39 TAL 178.74 TAP 48.46 RCA 101.46 APO 152.06 V2 35.255
 RC 137.871 GL -32.39 GP 8.23 ZAL 89.11 ZAP 155.16 ETS 18.30 ZAE 130.43 ETE 173.16 ZAC 97.90 ETC 15.79 CLP-156.48

PLANETOCENTRIC CONIC

C3 12.072 VHL 3.474 OLA -30.55 RAL 168.32 RAD 6567.5 VEL 11.552 PTH 2.02 VHP 5.389 DPA 16.60 RAP 170.86 ECC 1.1987
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.04 8 51 49 1087.91 23.89 340.35 29.67 109.63 9 9 57 487.9 26.34 332.35
 101.96 12 3 58 5757.42 23.90 272.67 29.68 109.61 13 39 55 5157.4 26.35 264.68
 78.04 8 51 49 1087.91 23.89 340.35 29.67 109.63 9 9 57 487.9 26.34 332.35
 101.96 12 3 58 5757.42 23.90 272.67 29.68 109.61 13 39 55 5157.4 26.35 264.68
 110.00 10 59 6 673.34 15.09 305.76 25.26 121.04 11 10 20 73.3 19.09 298.92
 110.00 14 55 51 5219.98 33.35 234.47 32.32 97.99 16 22 51 4620.0 34.09 225.31

DIFFERENTIAL CORRECTIONS

TDE-1.9839 TRA -.0494 TC3-5.7376 BAU .9262
 RDE .2095 RRA .0220 RC3 -.1083 FAU .05969
 FDE-1.7984 FRA .5996 FC3-4.2805 BSP 16124
 BDE 1.9950 BRA .0541 BC3 5.7386 FSP -1210

MID-COURSE EXECUTION ACCURACY

SGT 5158.4 SGR 356.0 SG3 376.2
 RRT -.4541 RRF -.4851 RTF .9551
 SGB 5170.7 R23 .0558 R13 -.9552
 SG1 5160.9 SG2 317.0 THA 178.20

ORBIT DETERMINATION ACCURACY

ST 3273.9 SR 345.6 SS 1390.6
 CRT -.9987 CRS .9878 CST -.9923
 LSA 3570.2 MSA 159.7 SSA 15.2
 EL1 3292.1 EL2 17.6 ALF 173.98

LAUNCH DATE JUN 24 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 492.631

RL 152.05 LAL .00 LOL 271.82 VL 26.394 GAL .65 AZL 93.95 MCA 232.97 SMA 126.51 ECC .20216 INC 3.9532 V1 29.301
 RP 107.50 LAP 3.16 LOP 144.73 VP 37.685 GAP 7.86 AZP 87.62 TAL 177.45 TAP 50.42 RCA 100.94 APO 152.09 V2 35.253
 RC 140.023 GL -31.42 GP 7.62 ZAL 86.61 ZAP 156.67 ETS 18.05 ZAE 130.07 ETE 173.83 ZAC 96.30 ETC 15.29 CLP-157.88

PLANETOCENTRIC CONIC

C3 12.180 VHL 3.490 OLA -30.84 RAL 171.40 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 5.551 DPA 15.30 RAP 172.35 ECC 1.2005
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.25 8 58 21 1107.93 24.06 341.92 32.97 109.89 9 16 49 607.9 26.55 333.92
 102.75 12 21 58 5741.17 24.07 271.52 32.97 109.88 13 57 39 5141.2 26.56 263.53
 77.25 8 58 21 1107.93 24.06 341.92 32.97 109.89 9 16 49 607.9 26.55 333.92
 102.75 12 21 58 5741.17 24.07 271.52 32.97 109.88 13 57 39 5141.2 26.56 263.53
 110.00 11 16 9 659.54 15.57 304.98 28.70 120.82 11 27 8 59.5 19.54 298.11
 110.00 15 3 21 5237.55 33.17 235.81 35.61 98.76 16 30 38 4637.6 34.03 226.68

DIFFERENTIAL CORRECTIONS

TDE-2.0317 TRA .0897 TC3-5.8001 BAU .9447
 RDE .2116 RRA .0260 RC3 -.1300 FAU .05592
 FDE-1.7057 FRA .6757 FC3-3.9744 BSP 16413
 BDE 2.0427 BRA .0934 BC3 5.8015 FSP -1153

MID-COURSE EXECUTION ACCURACY

SGT 5248.3 SGR 362.5 SG3 358.4
 RRT -.4115 RRF -.4368 RTF .9551
 SGB 5260.8 R23 .0463 R13 -.9552
 SG1 5250.4 SG2 330.2 THA 178.37

ORBIT DETERMINATION ACCURACY

ST 3338.0 SR 347.7 SS 1356.4
 CRT -.9973 CRS .9831 CST -.9925
 LSA 3616.5 MSA 155.5 SSA 16.1
 EL1 3356.0 EL2 25.3 ALF 174.07

LAUNCH DATE JUN 24 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 498.535

RL 152.05 LAL .00 LOL 271.82 VL 26.355 GAL .99 AZL 93.88 HCA 236.22 SMA 126.26 ECC .20493 INC 3.8762 V1 29.301
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.655 GAP 8.21 AZP 87.84 TAL 176.14 TAP 52.36 RCA 100.39 APO 152.14 V2 35.249
 RC 142.165 GL -30.43 GP 7.09 ZAL 84.03 ZAP 158.09 ETS 17.88 ZAE 129.74 ETE 174.40 ZAC 94.61 ETC 14.84 CLP-159.22

PLANETOCENTRIC CONIC

C3 12.366 VHL 3.517 DLA -31.12 RAL 174.55 RAD 6567.5 VEL 11.565 PTH 2.02 VHP 5.719 DPA 14.06 RAP 173.92 ECC 1.2035
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.51 9 5 40 1127.77 24.20 343.46 36.43 110.19 9 24 28 527.8 26.73 335.47
 103.49 12 39 48 5727.76 24.21 270.57 36.43 110.18 14 15 16 5127.8 26.74 262.58
 76.51 9 5 40 1127.77 24.20 343.46 36.43 110.19 9 24 28 527.8 26.73 335.47
 103.49 12 39 48 5727.76 24.21 270.57 36.43 110.18 14 15 16 5127.8 26.74 262.58
 110.00 11 33 37 646.70 16.02 304.25 32.30 120.61 11 44 24 46.7 19.96 297.35
 110.00 15 11 1 5256.83 32.96 237.28 39.08 99.61 16 38 38 4656.8 33.94 228.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0835 TRA .2389 TC3-5.8191 BAU .9624
 RDE .2162 RRA .0298 RC3 -.1453 FAU .05232
 FDE-1.6255 FRA .7473 FC3-3.6627 BSP 16740
 BDE 2.0947 BRA .2407 BC3 5.8209 FSP -1105

SGT 5336.7 SGR 371.1 SG3 342.1
 RRT -.3796 RRF -.4009 RTF .9551
 SGB 5349.6 R23 .0398 R13 -.9552
 SG1 5338.6 SG2 343.2 THA 178.48

ST 3399.6 SR 352.7 SS 1326.0
 CRT -.9951 CRS .9777 CST -.9928
 LSA 3662.8 MSA 152.0 SSA 17.0
 EL1 3417.6 EL2 34.7 ALF 174.11

LAUNCH DATE JUN 24 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 504.416

RL 152.05 LAL .00 LOL 271.82 VL 26.316 GAL 1.36 AZL 93.80 HCA 239.46 SMA 126.02 ECC .20789 INC 3.8047 V1 29.301
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.623 GAP 8.56 AZP 88.06 TAL 174.82 TAP 54.28 RCA 99.82 APO 152.21 V2 35.245
 RC 144.295 GL -29.41 GP 6.63 ZAL 81.40 ZAP 159.45 ETS 17.80 ZAE 129.44 ETE 174.88 ZAC 92.85 ETC 14.42 CLP-160.51

PLANETOCENTRIC CONIC

C3 12.635 VHL 3.555 DLA -31.39 RAL 177.77 RAD 6567.5 VEL 11.577 PTH 2.02 VHP 5.893 DPA 12.84 RAP 175.55 ECC 1.2079
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.85 9 13 49 1147.08 24.29 344.96 40.05 110.52 9 32 56 547.1 26.86 336.97
 104.15 12 57 19 5717.61 24.30 269.84 40.05 110.51 14 32 36 5117.6 26.87 261.85
 75.85 9 13 49 1147.08 24.29 344.96 40.05 110.52 9 32 56 547.1 26.86 336.97
 104.15 12 57 19 5717.61 24.30 269.84 40.05 110.51 14 32 36 5117.6 26.87 261.85
 110.00 11 51 16 635.64 16.40 303.62 36.04 120.42 12 1 51 35.6 20.32 296.69
 110.00 15 19 2 5277.05 32.72 238.81 42.71 100.48 16 46 59 4677.1 33.82 229.74

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1335 TRA .3979 TC3-5.7931 BAU .9789
 RDE .2226 RRA .0333 RC3 -.1548 FAU .04889
 FDE-1.5475 FRA .8134 FC3-3.3496 BSP 17035
 BDE 2.1451 BRA .3993 BC3 5.7952 FSP -1060

SGT 5417.8 SGR 380.5 SG3 326.2
 RRT -.3557 RRF -.3734 RTF .9553
 SGB 5431.2 R23 .0343 R13 -.9554
 SG1 5419.5 SG2 355.5 THA 178.56

ST 3448.6 SR 359.3 SS 1292.0
 CRT -.9920 CRS .9718 CST -.9931
 LSA 3697.1 MSA 149.2 SSA 17.7
 EL1 3467.0 EL2 45.0 ALF 174.10

LAUNCH DATE JUN 24 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 510.272

RL 152.05 LAL .00 LOL 271.82 VL 26.276 GAL 1.74 AZL 93.74 HCA 242.71 SMA 125.77 ECC .21107 INC 3.7380 V1 29.301
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.591 GAP 8.92 AZP 88.28 TAL 173.48 TAP 56.19 RCA 99.22 APO 152.31 V2 35.240
 RC 146.414 GL -28.36 GP 6.22 ZAL 78.72 ZAP 160.75 ETS 17.81 ZAE 129.16 ETE 175.30 ZAC 91.03 ETC 14.05 CLP-161.75

PLANETOCENTRIC CONIC

C3 12.992 VHL 3.604 DLA -31.63 RAL 181.03 RAD 6567.5 VEL 11.592 PTH 2.03 VHP 6.073 DPA 11.66 RAP 177.24 ECC 1.2138
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.28 9 22 55 1165.34 24.32 346.35 43.80 110.87 9 42 21 565.3 26.94 338.38
 104.72 13 14 14 5711.31 24.33 269.38 43.81 110.86 14 49 26 5111.3 26.95 261.40
 75.28 9 22 55 1165.34 24.32 346.35 43.80 110.87 9 42 21 565.3 26.94 338.38
 104.72 13 14 14 5711.31 24.33 269.38 43.81 110.86 14 49 26 5111.3 26.95 261.40
 110.00 12 8 45 627.17 16.69 303.14 39.91 120.27 12 19 12 27.2 20.59 296.18
 110.00 15 27 35 5297.49 32.46 240.34 46.47 101.36 16 55 53 4697.5 33.68 231.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1795 TRA .5702 TC3-5.7141 BAU .9929
 RDE .2306 RRA .0360 RC3 -.1597 FAU .04546
 FDE-1.4702 FRA .8786 FC3-3.0290 BSP 17235
 BDE 2.1916 BRA .5714 BC3 5.7163 FSP -1007

SGT 5486.7 SGR 390.0 SG3 310.6
 RRT -.3383 RRF -.3529 RTF .9552
 SGB 5500.5 R23 .0301 R13 -.9552
 SG1 5488.3 SG2 366.9 THA 178.62

ST 3481.3 SR 367.1 SS 1253.7
 CRT -.9882 CRS .9651 CST -.9933
 LSA 3715.4 MSA 148.1 SSA 18.3
 EL1 3500.2 EL2 55.9 ALF 174.05

LAUNCH DATE JUN 24 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 516.100

RL 152.05 LAL .00 LOL 271.82 VL 26.237 GAL 2.13 AZL 93.68 HCA 245.95 SMA 125.52 ECC .21447 INC 3.6750 V1 29.301
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.558 GAP 9.29 AZP 88.50 TAL 172.14 TAP 58.09 RCA 98.60 APO 152.44 V2 35.234
 RC 148.521 GL -27.28 GP 5.86 ZAL 76.02 ZAP 162.00 ETS 17.91 ZAE 128.90 ETE 175.66 ZAC 89.15 ETC 13.71 CLP-162.95

PLANETOCENTRIC CONIC

C3 13.445 VHL 3.667 DLA -31.83 RAL 184.33 RAD 6567.5 VEL 11.612 PTH 2.03 VHP 6.261 DPA 10.49 RAP 178.98 ECC 1.2213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.83 9 32 58 1182.48 24.29 347.64 47.67 111.23 9 52 40 582.5 26.95 339.69
 105.17 13 30 29 5709.00 24.30 269.18 47.68 111.22 15 5 38 5109.0 26.96 261.23
 74.83 9 32 58 1182.48 24.29 347.64 47.67 111.23 9 52 40 582.5 26.95 339.69
 105.17 13 30 29 5709.00 24.30 269.18 47.68 111.22 15 5 38 5109.0 26.96 261.23
 110.00 12 25 45 622.15 16.86 302.85 43.86 120.18 12 36 7 22.1 20.75 295.88
 110.00 15 36 52 5317.33 32.18 241.82 50.36 102.19 17 5 29 4717.3 33.53 232.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.2274 TRA .7492 TC3-5.6050 BAU 1.0079
 RDE .2404 RRA .0384 RC3 -.1594 FAU .04239
 FDE-1.4007 FRA .9358 FC3-2.7298 BSP 17504
 BDE 2.2404 BRA .7502 BC3 5.6072 FSP -966

SGT 5559.5 SGR 399.7 SG3 296.3
 RRT -.3283 RRF -.3405 RTF .9556
 SGB 5573.9 R23 .0268 R13 -.9556
 SG1 5561.1 SG2 377.4 THA 178.64

ST 3507.2 SR 376.2 SS 1216.9
 CRT -.9838 CRS .9582 CST -.9935
 LSA 3728.4 MSA 147.5 SSA 18.7
 EL1 3526.7 EL2 67.0 ALF 173.97

LAUNCH DATE JUN 24 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 521.899

RL 152.05 LAL .00 LOL 271.82 VL 26.197 GAL 2.55 AZL 93.62 HCA 249.19 SMA 125.27 ECC .21812 INC 3.6152 V1 29.301
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.524 GAP 9.66 AZP 88.71 TAL 170.78 TAP 59.97 RCA 97.95 APO 152.60 V2 35.228
 RC 150.615 GL -26.17 GP 5.54 ZAL 73.31 ZAP 163.20 ETS 18.11 ZAE 128.66 ETE 175.96 ZAC 87.22 ETC 13.41 CLP-164.11

PLANETOCENTRIC CONIC

C3 14.002 VHL 3.742 DLA -31.97 RAL 187.63 RAD 6567.6 VEL 11.636 PTH 2.04 VHP 6.455 DPA 9.35 RAP 180.76 ECC 1.2304
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.49 9 43 52 1198.52 24.17 348.81 51.64 111.60 10 3 50 598.5 26.89 340.88
 105.51 13 45 58 5710.73 24.18 269.27 51.65 111.58 15 21 9 5110.7 26.90 261.34
 74.49 9 43 52 1198.52 24.17 348.81 51.64 111.60 10 3 50 598.5 26.89 340.88
 105.51 13 45 58 5710.73 24.18 269.27 51.65 111.58 15 21 9 5110.7 26.90 261.34
 110.00 12 41 58 621.35 16.89 302.80 47.88 120.17 12 52 19 21.4 20.77 295.83
 110.00 15 47 3 5335.90 31.91 243.20 54.37 102.97 17 15 58 4735.9 33.36 234.27

DIFFERENTIAL CORRECTIONS

TDE-2.2718 TRA .9407 TC3-5.4524 BAU 1.0211
 RDE .2517 RRA .0398 RC3 -.1556 FAU .03941
 FDE-1.3332 FRA .9917 FC3-2.4364 BSP 17742
 BDE 2.2857 BRA .9415 BC3 5.4546 FSP -924

MID-COURSE EXECUTION ACCURACY

SGT 5624.4 SGR 408.9 SG3 282.6
 RRT -.3232 RRF -.3334 RTF .9558
 SGB 5639.2 R23 .0243 R13 -.9558
 SG1 5626.0 SG2 386.8 THA 178.65

ORBIT DETERMINATION ACCURACY

ST 3517.8 SR 386.0 SS 1177.7
 CRT -.9789 CRS .9508 CST -.9937
 LSA 3726.7 MSA 148.6 SSA 18.9
 EL1 3538.0 EL2 78.5 ALF 173.87

LAUNCH DATE JUN 24 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 527.666

RL 152.05 LAL .00 LOL 271.82 VL 26.157 GAL 2.99 AZL 93.56 HCA 252.43 SMA 125.03 ECC .22203 INC 3.5579 V1 29.301
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.490 GAP 10.05 AZP 88.92 TAL 169.41 TAP 61.84 RCA 97.27 APO 152.79 V2 35.221
 RC 152.696 GL -25.03 GP 5.25 ZAL 70.61 ZAP 164.35 ETS 18.42 ZAE 128.44 ETE 176.23 ZAC 85.24 ETC 13.14 CLP-165.24

PLANETOCENTRIC CONIC

C3 14.675 VHL 3.831 DLA -32.07 RAL 190.93 RAD 6567.6 VEL 11.664 PTH 2.05 VHP 6.658 DPA 8.22 RAP 182.58 ECC 1.2415
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.28 9 55 37 1213.30 23.98 349.85 55.69 111.96 10 15 50 613.3 26.74 341.95
 105.72 14 0 32 5716.70 23.99 269.64 55.70 111.95 15 35 49 5116.7 26.75 261.74
 74.28 9 55 37 1213.30 23.98 349.85 55.69 111.96 10 15 50 613.3 26.74 341.95
 105.72 14 0 32 5716.70 23.99 269.64 55.70 111.95 15 35 49 5116.7 26.75 261.74
 110.00 12 57 5 625.45 16.75 303.04 51.92 120.24 13 7 30 25.5 20.64 296.08
 110.00 15 58 15 5352.55 31.65 244.43 58.47 103.65 17 27 27 4752.5 33.20 235.55

DIFFERENTIAL CORRECTIONS

TDE-2.3138 TRA 1.1428 TC3-5.2675 BAU 1.0338
 RDE .2644 RRA .0403 RC3 -.1484 FAU .03664
 FDE-1.2695 FRA 1.0436 FC3-2.1614 BSP 17980
 BDE 2.3288 BRA 1.1435 BC3 5.2696 FSP -887

MID-COURSE EXECUTION ACCURACY

SGT 5686.0 SGR 417.6 SG3 269.7
 RRT -.3227 RRF -.3311 RTF .9562
 SGB 5701.4 R23 .0222 R13 -.9563
 SG1 5687.6 SG2 395.2 THA 178.64

ORBIT DETERMINATION ACCURACY

ST 3515.2 SR 396.1 SS 1138.0
 CRT -.9734 CRS .9431 CST -.9939
 LSA 3712.9 MSA 150.8 SSA 18.9
 EL1 3536.3 EL2 90.2 ALF 173.74

LAUNCH DATE JUN 24 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 533.400

RL 152.05 LAL .00 LOL 271.82 VL 26.118 GAL 3.45 AZL 93.50 HCA 255.67 SMA 124.79 ECC .22623 INC 3.5026 V1 29.301
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.455 GAP 10.45 AZP 89.13 TAL 168.04 TAP 63.71 RCA 96.55 APO 153.02 V2 35.214
 RC 154.762 GL -23.88 GP 5.00 ZAL 67.92 ZAP 165.47 ETS 18.85 ZAE 128.24 ETE 176.46 ZAC 83.23 ETC 12.90 CLP-166.34

PLANETOCENTRIC CONIC

C3 15.475 VHL 3.934 DLA -32.10 RAL 194.21 RAD 6567.6 VEL 11.699 PTH 2.06 VHP 6.870 DPA 7.10 RAP 184.44 ECC 1.2547
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.20 10 8 9 1226.82 23.70 350.75 59.80 112.32 10 28 36 626.8 26.51 342.90
 105.80 14 14 7 5726.98 23.71 270.29 59.80 112.31 15 49 34 5127.0 26.52 262.44
 74.20 10 8 9 1226.82 23.70 350.75 59.80 112.32 10 28 36 626.8 26.51 342.90
 105.80 14 14 7 5726.98 23.71 270.29 59.80 112.31 15 49 34 5127.0 26.52 262.44
 110.00 13 10 54 634.91 16.43 303.58 55.96 120.41 13 21 29 34.9 20.34 296.64
 110.00 16 10 32 5366.88 31.41 245.48 62.67 104.23 17 39 59 4766.9 33.05 236.64

DIFFERENTIAL CORRECTIONS

TDE-2.3482 TRA 1.3602 TC3-5.0415 BAU 1.0434
 RDE .2784 RRA .0398 RC3 -.1392 FAU .03386
 FDE-1.2047 FRA 1.0959 FC3-1.8944 BSP 18122
 BDE 2.3646 BRA 1.3608 BC3 5.0434 FSP -846

MID-COURSE EXECUTION ACCURACY

SGT 5735.8 SGR 425.5 SG3 257.0
 RRT -.3247 RRF -.3313 RTF .9564
 SGB 5751.6 R23 .0204 R13 -.9564
 SG1 5737.5 SG2 402.3 THA 178.61

ORBIT DETERMINATION ACCURACY

ST 3493.3 SR 406.0 SS 1094.5
 CRT -.9673 CR 9346 CST -.9940
 LSA 3679.9 MSA 154.9 SSA 18.8
 EL1 3515.3 EL2 102.3 ALF 173.58

LAUNCH DATE JUN 24 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 539.097

RL 152.05 LAL .00 LOL 271.82 VL 26.078 GAL 3.93 AZL 93.45 HCA 258.91 SMA 124.54 ECC .23074 INC 3.4490 V1 29.301
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.420 GAP 10.86 AZP 89.34 TAL 166.66 TAP 65.57 RCA 95.81 APO 153.28 V2 35.205
 RC 156.813 GL -22.72 GP 4.77 ZAL 65.27 ZAP 166.55 ETS 19.42 ZAE 128.05 ETE 176.66 ZAC 81.19 ETC 12.69 CLP-167.41

PLANETOCENTRIC CONIC

C3 16.418 VHL 4.052 DLA -32.08 RAL 197.43 RAD 6567.7 VEL 11.739 PTH 2.07 VHP 7.091 DPA 6.00 RAP 186.32 ECC 1.2702
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.25 10 21 21 1239.22 23.33 351.53 63.94 112.67 10 42 0 639.2 26.19 343.72
 105.75 14 26 40 5741.42 23.34 271.23 63.94 112.65 16 2 21 5141.4 26.21 263.42
 74.25 10 21 21 1239.22 23.33 351.53 63.94 112.67 10 42 0 639.2 26.19 343.72
 105.75 14 26 40 5741.42 23.34 271.23 63.94 112.65 16 2 21 5141.4 26.21 263.42
 110.00 13 23 16 649.95 15.91 304.43 59.98 120.66 13 34 6 50.0 19.86 297.54
 110.00 16 23 55 5378.69 31.21 246.34 66.93 104.70 17 53 34 4778.7 32.91 237.53

DIFFERENTIAL CORRECTIONS

TDE-2.3823 TRA 1.5874 TC3-4.7973 BAU 1.0533
 RDE .2937 RRA .0381 RC3 -.1280 FAU .03132
 FDE-1.1456 FRA 1.1445 FC3-1.6516 BSP 18318
 BDE 2.4003 BRA 1.5878 BC3 4.7990 FSP -811

MID-COURSE EXECUTION ACCURACY

SGT 5786.2 SGR 432.7 SG3 245.3
 RRT -.3304 RRF -.3357 RTF .9568
 SGB 5802.3 R23 .0190 R13 -.9568
 SG1 5787.9 SG2 408.3 THA 178.58

ORBIT DETERMINATION ACCURACY

ST 3463.1 SR 415.7 SS 1053.0
 CRT -.9609 CRS .9260 CST -.9941
 LSA 3639.9 MSA 159.8 SSA 18.5
 EL1 3486.1 EL2 114.4 ALF 173.41

LAUNCH DATE JUN 24 1967

FLIGHT TIME 190.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 544.752

RL 152.05 LAL .00 LOL 271.82 VL 26.039 GAL 4.43 AZL 93.40 HCA 262.15 SMA 124.30 ECC .23559 INC 3.3965 V1 29.301
 RP 107.67 LAP 3.36 LOP 173.96 VP 37.384 GAP 11.28 AZP 89.54 TAL 165.28 TAP 67.43 RCA 95.02 APO 153.59 V2 35.197
 RC 158.850 GL -21.56 GP 4.56 ZAL 62.67 ZAP 167.60 ETS 20.16 ZAE 127.87 ETE 176.83 ZAC 79.11 ETC 12.51 CLP-168.46

PLANETOCENTRIC CONIC

C3 17.520 VHL 4.186 DLA -32.00 RAL 200.60 RAD 6567.7 VEL 11.786 PTH 2.08 VHP 7.324 DPA 4.91 RAP 188.23 ECC 1.2883
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.44 10 35 13 1250.27 22.88 352.17 68.09 113.00 10 56 3 650.3 25.79 344.40
 105.56 14 38 2 5760.30 22.89 272.46 68.10 112.99 16 14 2 5160.3 25.80 264.70
 74.44 10 35 13 1250.27 22.88 352.17 68.09 113.00 10 56 3 650.3 25.79 344.40
 105.56 14 38 2 5760.30 22.89 272.46 68.10 112.99 16 14 2 5160.3 25.80 264.70
 110.00 13 34 9 670.48 15.19 305.59 63.95 121.00 13 45 19 70.5 19.19 298.76
 110.00 16 38 16 5388.09 31.05 247.03 71.25 105.08 18 8 4 4788.1 32.80 238.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4125 TRA 1.8271 TC3-4.5326 BAU 1.0620 SGT 5831.0 SGR 439.1 SG3 234.2 ST 3420.7 SR 424.9 SS 1011.6
 RDE .3101 RRA .0353 RC3 -.1156 FAU .02891 RRT -.3386 RRF -.3425 RTF .9572 CRT -.9540 CRS .9169 CST -.9942
 FDE-1.0889 FRA 1.1912 FC3-1.4285 BSP 18509 SGB 5847.5 R23 .0178 R13 -.9572 LSA 3588.5 MSA 165.9 SSA 18.1
 BOE 2.4324 BRA 1.8275 BC3 4.5341 FSP -778 SG1 5832.9 SG2 413.0 THA 178.53 EL1 3444.7 EL2 126.5 ALF 173.23

LAUNCH DATE JUN 24 1967

FLIGHT TIME 192.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 550.363

RL 152.05 LAL .00 LOL 271.82 VL 25.999 GAL 4.97 AZL 93.34 HCA 265.38 SMA 124.07 ECC .24081 INC 3.3449 V1 29.301
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.348 GAP 11.73 AZP 89.73 TAL 163.90 TAP 69.28 RCA 94.19 APO 153.94 V2 35.187
 RC 160.871 GL -20.40 GP 4.38 ZAL 60.13 ZAP 168.62 ETS 21.11 ZAE 127.71 ETE 176.98 ZAC 77.02 ETC 12.36 CLP-169.48

PLANETOCENTRIC CONIC

C3 18.802 VHL 4.336 DLA -31.86 RAL 203.68 RAD 6567.8 VEL 11.840 PTH 2.10 VHP 7.568 DPA 3.82 RAP 190.16 ECC 1.3094
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.76 10 49 40 1260.08 22.34 352.66 72.25 113.32 11 10 40 660.1 25.30 344.96
 105.24 14 48 11 5783.47 22.36 273.98 72.26 113.31 16 24 35 5183.5 25.31 266.26
 74.76 10 49 40 1260.08 22.34 352.66 72.25 113.32 11 10 40 660.1 25.30 344.96
 105.24 14 48 11 5783.47 22.36 273.98 72.26 113.31 16 24 35 5183.5 25.31 266.26
 110.00 13 43 35 696.16 14.28 307.03 67.87 121.39 13 55 11 96.2 18.33 300.26
 110.00 16 53 26 5395.40 30.92 247.56 75.62 105.37 18 23 22 4795.4 32.71 238.80

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4392 TRA 2.0806 TC3-4.2521 BAU 1.0691 SGT 5870.5 SGR 444.6 SG3 223.7 ST 3368.0 SR 433.2 SS 971.1
 ROE .3277 RRA .0311 RC3 -.1026 FAU .02662 RRT -.3489 RRF -.3515 RTF .9577 CRT -.9465 CRS .9075 CST -.9943
 FDE-1.0354 FRA 1.2366 FC3-1.2256 BSP 18687 SGB 5887.3 R23 .0167 R13 -.9578 LSA 3527.6 MSA 172.7 SSA 17.6
 BOE 2.4611 BRA 2.0808 BC3 4.2533 FSP -747 SG1 5872.5 SG2 416.6 THA 178.48 EL1 3392.9 EL2 138.7 ALF 173.05

LAUNCH DATE JUN 24 1967

FLIGHT TIME 194.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 555.924

RL 152.05 LAL .00 LOL 271.82 VL 25.960 GAL 5.53 AZL 93.29 HCA 268.62 SMA 123.83 ECC .24644 INC 3.2938 V1 29.301
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.312 GAP 12.19 AZP 89.92 TAL 162.52 TAP 71.14 RCA 93.31 APO 154.35 V2 35.178
 RC 162.878 GL -19.25 GP 4.21 ZAL 57.66 ZAP 169.61 ETS 22.30 ZAE 127.55 ETE 177.11 ZAC 74.90 ETC 12.25 CLP-170.49

PLANETOCENTRIC CONIC

C3 20.286 VHL 4.504 DLA -31.66 RAL 206.67 RAD 6567.8 VEL 11.902 PTH 2.11 VHP 7.826 DPA 2.75 RAP 192.11 ECC 1.3339
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.20 11 4 38 1268.56 21.73 353.02 76.40 113.62 11 25 47 668.6 24.73 345.37
 104.80 14 57 5 5811.02 21.74 275.78 76.40 113.61 16 33 56 5211.0 24.75 268.12
 75.20 11 4 38 1268.56 21.73 353.02 76.40 113.62 11 25 47 668.6 24.73 345.37
 104.80 14 57 5 5811.02 21.74 275.78 76.40 113.61 16 33 56 5211.0 24.75 268.12
 110.00 13 51 42 726.46 13.20 308.72 71.71 121.82 14 3 48 126.5 17.31 302.02
 110.00 17 9 11 5401.11 30.81 247.97 80.00 105.59 18 39 13 4801.1 32.64 239.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4577 TRA 2.3528 TC3-3.9524 BAU 1.0722 SGT 5900.6 SGR 449.0 SG3 213.6 ST 3301.4 SR 440.2 SS 929.9
 ROE .3459 RRA .0254 RC3 -.0899 FAU .02429 RRT -.3600 RRF -.3611 RTF .9580 CRT -.9382 CRS .8967 CST -.9943
 FDE -.9815 FRA 1.2841 FC3-1.0367 BSP 18745 SGB 5917.6 R23 .0155 R13 -.9580 LSA 3453.2 MSA 180.9 SSA 17.1
 BOE 2.4820 BRA 2.3529 BC3 3.9534 FSP -712 SG1 5902.8 SG2 418.7 THA 178.42 EL1 3327.2 EL2 151.1 ALF 172.85

LAUNCH DATE JUN 24 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 561.428

RL 152.05 LAL .00 LOL 271.82 VL 25.921 GAL 6.12 AZL 93.24 HCA 271.85 SMA 123.60 ECC .25251 INC 3.2429 V1 29.301
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.275 GAP 12.67 AZP 90.10 TAL 161.14 TAP 72.99 RCA 92.39 APO 154.81 V2 35.167
 RC 164.869 GL -18.11 GP 4.06 ZAL 55.27 ZAP 170.58 ETS 23.81 ZAE 127.40 ETE 177.22 ZAC 72.77 ETC 12.16 CLP-171.49

PLANETOCENTRIC CONIC

C3 22.001 VHL 4.691 DLA -31.42 RAL 209.56 RAD 6567.9 VEL 11.974 PTH 2.13 VHP 8.098 DPA 1.69 RAP 194.08 ECC 1.3621
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.78 11 20 7 1275.60 21.04 353.23 80.52 113.89 11 41 23 675.6 24.09 345.63
 104.22 15 4 37 5842.99 21.05 277.87 80.52 113.88 16 42 0 5243.0 24.10 270.28
 75.78 11 20 7 1275.60 21.04 353.23 80.52 113.89 11 41 23 675.6 24.09 345.63
 104.22 15 4 37 5842.99 21.05 277.87 80.52 113.88 16 42 0 5243.0 24.10 270.28
 110.00 13 58 37 760.81 11.96 310.60 75.47 122.26 14 11 18 160.8 16.14 303.98
 110.00 17 25 18 5405.77 30.73 248.30 84.39 105.77 18 55 24 4805.8 32.58 239.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.4783 TRA 2.6353 TC3-3.6575 BAU 1.0760 SGT 5930.2 SGR 452.7 SG3 204.2 ST 3233.6 SR 446.1 SS 892.7
 ROE .3652 RRA .0184 RC3 -.0772 FAU .02222 RRT -.3735 RRF -.3734 RTF .9587 CRT -.9297 CRS .8862 CST -.9943
 FDE -.9342 FRA 1.3280 FC3 -.8745 BSP 18911 SGB 5947.4 R23 .0146 R13 -.9587 LSA 3378.8 MSA 188.9 SSA 16.5
 BOE 2.5051 BRA 2.6353 BC3 3.6583 FSP -685 SG1 5932.6 SG2 419.7 THA 178.36 EL1 3260.1 EL2 163.0 ALF 172.67

LAUNCH DATE JUN 24 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 566.870

RL 152.05 LAL .00 LOL 271.82 VL 25.882 GAL 6.75 AZL 93.19 HCA 275.08 SMA 123.37 ECC .25907 INC 3.1917 V1 29.301
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.238 GAP 13.18 AZP 90.28 TAL 159.78 TAP 74.86 RCA 91.41 APO 155.33 V2 35.156
 RC 166.846 GL -16.99 GP 3.92 ZAL 52.96 ZAP 171.52 ETS 25.74 ZAE 127.25 ETE 177.32 ZAC 70.63 ETC 12.11 CLP-172.47

PLANETOCENTRIC CONIC

C3 23.979 VHL 4.897 DLA -31.13 RAL 212.33 RAD 6568.0 VEL 12.056 PTH 2.15 VHP 8.387 DPA .64 RAP 196.07 ECC 1.3946
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.49 11 36 10 1280.88 20.28 353.26 84.60 114.14 11 57 31 680.9 23.37 345.73
 103.51 15 10 42 5879.62 20.29 280.28 84.60 114.13 16 48 41 5279.6 23.38 272.74
 76.49 11 36 10 1280.88 20.28 353.26 84.60 114.14 11 57 31 680.9 23.37 345.73
 103.51 15 10 42 5879.62 20.29 280.28 84.60 114.13 16 48 41 5279.6 23.38 272.74
 110.00 14 4 30 798.60 10.58 312.66 79.16 122.70 14 17 49 198.6 14.82 306.12
 110.00 17 41 32 5409.91 30.65 248.60 88.78 105.93 19 11 42 4809.9 32.53 239.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4955 TRA 2.9349 TC3-3.3599 BAU 1.0773
 RDE .3851 RRA .0098 RC3 -.0652 FAU .02021
 FDE -.8891 FRA 1.3725 FC3 -.7298 BSP 19037
 BDE 2.5250 BRA 2.9349 BC3 3.3605 FSP -658

SGT 5953.8 SGR 455.3 SG3 195.4
 RRT -.3880 RRF -.3866 RTF .9594
 SGB 5971.2 R23 .0136 R13 -.9594
 SG1 5956.4 SG2 419.4 THA 178.29

ST 3159.7 SR 450.6 SS 857.3
 CRT -.9205 CRS .8750 CST -.9944
 LSA 3298.8 MSA 197.2 SSA 15.9
 EL1 3186.8 EL2 174.5 ALF 172.50

LAUNCH DATE JUN 24 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 572.241

RL 152.05 LAL .00 LOL 271.82 VL 25.844 GAL 7.41 AZL 93.14 HCA 278.31 SMA 123.14 ECC .26617 INC 3.1402 V1 29.301
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.201 GAP 13.72 AZP 90.45 TAL 158.42 TAP 76.73 RCA 90.36 APO 155.92 V2 35.145
 RC 168.808 GL -15.90 GP 3.79 ZAL 50.74 ZAP 172.43 ETS 28.21 ZAE 127.09 ETE 177.40 ZAC 68.47 ETC 12.08 CLP-173.45

PLANETOCENTRIC CONIC

C3 26.259 VHL 5.124 DLA -30.81 RAL 214.98 RAD 6568.1 VEL 12.151 PTH 2.18 VHP 8.695 DPA -.39 RAP 198.07 ECC 1.4322
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.33 11 52 47 1284.20 19.46 353.12 88.63 114.37 12 14 11 684.2 22.58 345.64
 102.67 15 15 14 633.01 19.47 305.09 88.64 114.36 15 25 47 33.0 22.59 297.62
 77.33 11 52 47 1284.20 19.46 353.12 88.63 114.37 12 14 11 684.2 22.58 345.64
 102.67 15 15 14 633.01 19.47 305.09 88.64 114.36 15 25 47 33.0 22.59 297.62
 110.00 14 9 30 839.26 9.08 314.85 82.77 123.10 14 23 29 239.3 13.37 308.38
 110.00 17 57 42 5413.99 30.57 248.90 93.14 106.09 19 27 56 4814.0 32.47 240.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5105 TRA 3.2518 TC3-3.0648 BAU 1.0761
 RDE .4056 RRA -.0005 RC3 -.0542 FAU .01829
 FDE -.8471 FRA 1.4174 FC3 -.6029 BSP 19149
 BDE 2.5430 BRA 3.2518 BC3 3.0653 FSP -632

SGT 5972.0 SGR 456.9 SG3 187.0
 RRT -.4035 RRF -.4008 RTF .9602
 SGB 5989.5 R23 .0125 R13 -.9603
 SG1 5974.9 SG2 417.8 THA 178.22

ST 3082.3 SR 453.5 SS 824.3
 CRT -.9107 CRS .8634 CST -.9945
 LSA 3216.1 MSA 205.6 SSA 15.4
 EL1 3110.0 EL2 185.7 ALF 172.34

LAUNCH DATE JUN 24 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 577.530

RL 152.05 LAL .00 LOL 271.82 VL 25.806 GAL 8.12 AZL 93.09 HCA 281.53 SMA 122.92 ECC .27387 INC 3.0877 V1 29.301
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.163 GAP 14.29 AZP 90.62 TAL 157.08 TAP 78.61 RCA 89.25 APO 156.58 V2 35.134
 RC 170.755 GL -14.84 GP 3.68 ZAL 48.62 ZAP 173.32 ETS 31.45 ZAE 126.94 ETE 177.47 ZAC 66.32 ETC 12.09 CLP-174.42

PLANETOCENTRIC CONIC

C3 28.885 VHL 5.375 DLA -30.44 RAL 217.51 RAD 6568.2 VEL 12.258 PTH 2.21 VHP 9.024 DPA -1.42 RAP 200.07 ECC 1.4754
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.32 12 10 5 1285.02 18.58 352.76 92.61 114.56 12 31 30 685.0 21.73 345.34
 101.68 15 18 5 679.65 18.59 308.16 92.62 114.55 15 29 25 79.7 21.75 300.75
 78.32 12 10 5 1285.02 18.58 352.76 92.61 114.56 12 31 30 685.0 21.73 345.34
 101.68 15 18 5 679.65 18.59 308.16 92.62 114.55 15 29 25 79.7 21.75 300.75
 110.00 14 13 43 882.30 7.47 317.14 86.31 123.45 14 28 25 282.3 11.82 310.75
 110.00 18 13 38 5418.41 30.49 249.21 97.47 106.26 19 43 57 4818.4 32.41 240.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5201 TRA 3.5913 TC3-2.7705 BAU 1.0700
 RDE .4264 RRA -.0125 RC3 -.0445 FAU .01635
 FDE -.8064 FRA 1.4647 FC3 -.4899 BSP 19157
 BDE 2.5559 BRA 3.5913 BC3 2.7708 FSP -603

SGT 5983.9 SGR 457.4 SG3 179.1
 RRT -.4193 RRF -.4152 RTF .9611
 SGB 6001.4 R23 .0113 R13 -.9611
 SG1 5987.0 SG2 415.0 THA 178.16

ST 3000.1 SR 454.6 SS 793.0
 CRT -.8999 CRS .8506 CST -.9946
 LSA 3128.9 MSA 214.1 SSA 14.9
 EL1 3028.0 EL2 196.5 ALF 172.20

LAUNCH DATE JUN 24 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 582.727

RL 152.05 LAL .00 LOL 271.82 VL 25.768 GAL 8.87 AZL 93.03 HCA 284.76 SMA 122.69 ECC .28225 INC 3.0341 V1 29.301
 RP 107.90 LAP 2.93 LOP 196.60 VP 37.126 GAP 14.90 AZP 90.77 TAL 155.75 TAP 80.51 RCA 88.06 APO 157.32 V2 35.122
 RC 172.686 GL -13.80 GP 3.57 ZAL 46.59 ZAP 174.17 ETS 35.74 ZAE 126.78 ETE 177.53 ZAC 64.16 ETC 12.14 CLP-175.39

PLANETOCENTRIC CONIC

C3 31.914 VHL 5.649 DLA -30.05 RAL 219.90 RAD 6568.3 VEL 12.381 PTH 2.23 VHP 9.376 DPA -2.42 RAP 202.09 ECC 1.5252
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.49 12 28 21 1282.37 17.65 352.11 96.53 114.73 12 49 43 682.4 20.83 344.75
 100.51 15 18 57 732.33 17.66 311.65 96.54 114.72 15 31 10 132.3 20.85 304.29
 79.49 12 28 21 1282.37 17.65 352.11 96.53 114.73 12 49 43 682.4 20.83 344.75
 100.51 15 18 57 732.33 17.66 311.65 96.54 114.72 15 31 10 132.3 20.85 304.29
 110.00 14 17 16 927.29 5.77 319.52 89.76 123.75 14 32 43 327.3 10.17 313.19
 110.00 18 29 13 5423.45 30.39 249.57 101.76 106.45 19 59 36 4823.4 32.34 240.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5332 TRA 3.9462 TC3-2.4916 BAU 1.0632
 RDE .4478 RRA -.0261 RC3 -.0357 FAU .01458
 FDE -.7710 FRA 1.5109 FC3 -.3955 BSP 19255
 BDE 2.5725 BRA 3.9463 BC3 2.4919 ESP -580

SGT 5992.2 SGR 457.0 SG3 171.6
 RRT -.4363 RRF -.4311 RTF .9623
 SGB 6009.6 R23 .0102 R13 -.9623
 SG1 5995.6 SG2 411.0 THA 178.09

ST 2921.0 SR 454.3 SS 765.8
 CRT -.8889 CRS .8383 CST -.9947
 LSA 3045.6 MSA 221.7 SSA 14.4
 EL1 2948.9 EL2 206.1 ALF 172.09

LAUNCH DATE JUN 24 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 587.816

RL 152.05 LAL .00 LOL 271.82 VL 25.731 GAL 9.67 AZL 92.98 HCA 287.98 SMA 122.48 ECC .29136 INC 2.9790 V1 29.301
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.088 GAP 15.54 AZP 90.92 TAL 154.45 TAP 82.43 RCA 86.79 APO 158.16 V2 35.110
 RC 174.603 GL -12.80 GP 3.48 ZAL 44.66 ZAP 174.97 ETS 41.58 ZAE 126.61 ETE 177.58 ZAC 62.01 ETC 12.22 CLP-176.36

PLANETOCENTRIC CONIC

C3 35.411 VHL 5.951 DLA -29.64 RAL 222.17 RAD 6568.4 VEL 12.521 PTH 2.27 VHP 9.755 DPA -3.41 RAP 204.11 ECC 1.5828
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.87 12 47 57 1274.89 16.67 351.08 100.39 114.86 13 9 11 674.9 19.89 343.78
 99.13 15 17 27 792.26 16.69 315.63 100.39 114.85 15 30 39 192.3 19.90 308.33
 100.00 14 51 11 876.27 13.68 320.35 98.88 116.84 15 5 47 276.3 17.17 313.30
 100.00 15 56 54 666.12 19.73 307.68 101.81 112.92 16 8 0 66.1 22.66 300.12
 110.00 14 20 13 973.88 4.01 321.97 93.15 123.98 14 36 27 373.9 8.44 315.69
 110.00 18 44 20 5429.31 30.28 249.99 105.99 106.68 20 14 50 4829.3 32.26 241.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5467 TRA 4.3230 TC3-2.2233 BAU 1.0526 SGT 5995.6 SGR 455.6 SG3 164.6 ST 2843.1 SR 452.3 SS 741.7
 RDE .4695 RRA -.0415 RC3 -.0281 FAU .01287 RRT -.4539 RRF -.4475 RTF .9636 CRT -.8774 CRS .8258 CST -.9949
 FDE -.7388 FRA 1.5589 FC3 -.3146 BSP 19343 SGB 6012.9 R23 .0091 R13 -.9636 LSA 2964.0 MSA 228.7 SSA 13.9
 BOE 2.5897 BRA 4.3232 BC3 2.2235 FSP -558 SG1 5999.2 SG2 405.7 THA 178.02 EL1 2870.8 EL2 214.9 ALF 172.01

LAUNCH DATE JUN 24 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 18 1968

HELIOCENTRIC CONIC

DISTANCE 592.780

RL 152.05 LAL .00 LOL 271.82 VL 25.694 GAL 10.53 AZL 92.92 HCA 291.20 SMA 122.26 ECC .30132 INC 2.9218 V1 29.301
 RP 107.97 LAP 2.72 LOP 203.04 VP 37.051 GAP 16.24 AZP 91.06 TAL 153.18 TAP 84.38 RCA 85.42 APO 159.10 V2 35.097
 RC 176.504 GL -11.83 GP 3.39 ZAL 42.84 ZAP 175.69 ETS 49.65 ZAE 126.43 ETE 177.63 ZAC 59.86 ETC 12.33 CLP-177.34

PLANETOCENTRIC CONIC

C3 39.457 VHL 6.281 DLA -29.20 RAL 224.31 RAD 6568.5 VEL 12.682 PTH 2.30 VHP 10.164 DPA -4.37 RAP 206.14 ECC 1.6494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.56 13 9 45 1259.56 15.66 349.46 104.17 114.96 13 30 45 659.6 18.90 342.22
 97.44 15 12 39 862.26 15.68 320.32 104.18 114.95 15 27 2 262.3 18.91 313.07
 100.00 14 38 30 971.86 10.68 325.86 101.61 118.09 14 54 42 371.9 14.35 319.00
 100.00 16 26 36 625.19 20.79 305.11 106.51 111.97 16 37 1 25.2 23.59 297.43
 110.00 14 22 39 1021.75 2.18 324.48 96.46 124.12 14 39 41 421.7 6.64 318.23
 110.00 18 58 56 5436.11 30.15 250.48 110.17 106.94 20 29 32 4836.1 32.17 241.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5600 TRA 4.7240 TC3-1.9670 BAU 1.0376 SGT 5993.7 SGR 453.2 SG3 157.9 ST 2766.0 SR 448.5 SS 720.5
 RDE .4913 RRA -.0587 RC3 -.0218 FAU .01120 RRT -.4718 RRF -.4644 RTF .9651 CRT -.8654 CRS .8132 CST -.9952
 FDE -.7093 FRA 1.6090 FC3 -.2458 BSP 19399 SGB 6010.8 R23 .0079 R13 -.9651 LSA 2883.7 MSA 234.8 SSA 13.4
 BOE 2.6067 BRA 4.7243 BC3 1.9671 FSP -536 SG1 5997.5 SG2 399.3 THA 177.95 EL1 2793.3 EL2 222.6 ALF 171.96

LAUNCH DATE JUN 24 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 20 1968

HELIOCENTRIC CONIC

DISTANCE 597.599

RL 152.05 LAL .00 LOL 271.82 VL 25.658 GAL 11.46 AZL 92.86 HCA 294.41 SMA 122.05 ECC .31221 INC 2.8621 V1 29.301
 RP 108.01 LAP 2.61 LOP 206.26 VP 37.014 GAP 16.99 AZP 91.18 TAL 151.95 TAP 86.36 RCA 83.95 APO 160.16 V2 35.084
 RC 178.389 GL -10.89 GP 3.31 ZAL 41.12 ZAP 176.29 ETS 60.86 ZAE 126.23 ETE 177.67 ZAC 57.73 ETC 12.49 CLP-178.32

PLANETOCENTRIC CONIC

C3 44.149 VHL 6.644 DLA -28.74 RAL 226.31 RAD 6568.7 VEL 12.865 PTH 2.34 VHP 10.607 DPA -5.32 RAP 208.16 ECC 1.7266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 84.85 13 36 11 1228.50 14.63 346.67 107.87 115.02 13 56 39 628.5 17.88 339.48
 95.15 15 2 12 949.99 14.64 326.28 107.88 115.01 15 18 2 350.0 17.89 319.08
 100.00 14 31 2 1050.43 8.12 330.30 104.51 118.87 14 48 32 450.4 11.91 323.56
 100.00 16 50 2 603.29 21.34 303.72 110.90 111.44 17 0 5 3.3 24.07 295.98
 110.00 14 24 37 1070.63 .31 327.03 99.71 124.18 14 42 27 470.6 4.79 320.81
 110.00 19 12 57 5443.90 29.99 251.03 114.27 107.23 20 43 41 4843.9 32.05 242.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5705 TRA 5.1558 TC3-1.7200 BAU 1.0152 SGT 5987.5 SGR 449.6 SG3 151.7 ST 2689.2 SR 443.0 SS 701.7
 RDE .5131 RRA -.0780 RC3 -.0169 FAU .00950 RRT -.4897 RRF -.4812 RTF .9668 CRT -.8525 CRS .7997 CST -.9954
 FDE -.6814 FRA 1.6634 FC3 -.1863 BSP 19341 SGB 6004.3 R23 .0066 R13 -.9668 LSA 2804.0 MSA 240.3 SSA 12.9
 BOE 2.6212 BRA 5.1564 BC3 1.7201 FSP -512 SG1 5991.5 SG2 391.7 THA 177.89 EL1 2715.8 EL2 229.3 ALF 171.95

LAUNCH DATE JUN 24 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 22 1968

HELIOCENTRIC CONIC

DISTANCE 602.245

RL 152.05 LAL .00 LOL 271.82 VL 25.622 GAL 12.45 AZL 92.80 HCA 297.63 SMA 121.85 ECC .32416 INC 2.7993 V1 29.301
 RP 108.05 LAP 2.48 LOP 209.47 VP 36.977 GAP 17.80 AZP 91.30 TAL 150.75 TAP 88.38 RCA 82.35 APO 161.35 V2 35.071
 RC 180.257 GL -9.99 GP 3.23 ZAL 39.51 ZAP 176.69 ETS 75.86 ZAE 126.01 ETE 177.70 ZAC 55.61 ETC 12.69 CLP-179.33

PLANETOCENTRIC CONIC

C3 49.607 VHL 7.043 DLA -28.27 RAL 228.18 RAD 6568.8 VEL 13.076 PTH 2.39 VHP 11.090 DPA -6.24 RAP 210.18 ECC 1.8164
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 14 12 59 1162.75 12.30 340.73 110.88 115.71 14 32 22 562.8 15.66 333.66
 90.00 14 40 18 1074.18 14.86 335.48 112.11 114.39 14 58 12 474.2 18.03 328.23
 100.00 14 25 33 1122.05 5.75 334.29 107.42 119.38 14 44 15 522.1 9.62 327.64
 100.00 17 10 25 5878.15 21.67 280.78 115.11 111.11 18 48 23 5278.1 24.35 273.01
 110.00 14 26 7 1120.30 -1.59 329.62 102.88 124.15 14 44 47 520.3 2.90 323.41
 110.00 19 26 21 5452.67 29.81 251.65 118.28 107.56 20 57 14 4852.7 31.92 243.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5889 TRA 5.6109 TC3-1.4925 BAU .9899 SGT 5976.3 SGR 445.1 SG3 145.8 ST 2618.6 SR 436.1 SS 687.0
 RDE .5350 RRA -.0990 RC3 -.0129 FAU .00791 RRT -.5083 RRF -.4991 RTF .9687 CRT -.8400 CRS .7876 CST -.9958
 FDE -.6587 FRA 1.7191 FC3 -.1381 BSP 19394 SGB 5992.9 R23 .0054 R13 -.9687 LSA 2731.2 MSA 244.1 SSA 12.4
 BOE 2.6436 BRA 5.6118 BC3 1.4926 FSP -493 SG1 5980.6 SG2 383.0 THA 177.82 EL1 2644.3 EL2 234.3 ALF 171.97

LAUNCH DATE JUN 24 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 24 1968

HELIOCENTRIC CONIC

DISTANCE 606.687

RL 152.05 LAL .00 LOL 271.82 VL 25.587 GAL 13.53 AZL 92.73 HCA 300.84 SMA 121.65 ECC .33731 INC 2.7328 V1 29.301
 RP 108.09 LAP 2.35 LOP 212.69 VP 36.940 GAP 18.69 AZP 91.40 TAL 149.61 TAP 90.45 RCA 80.62 APO 162.68 V2 35.058
 RC 182.108 GL -9.12 GP 3.17 ZAL 38.01 ZAP 176.81 ETS 93.80 ZAE 125.77 ETE 177.73 ZAC 53.52 ETC 12.93 CLP 179.65

PLANETOCENTRIC CONIC

C3 55.981 VHL 7.482 OLA -27.79 RAL 229.91 RAD 6569.0 VEL 13.317 PTH 2.43 VHP 11.618 DPA -7.14 RAP 212.19 ECC 1.9213
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 45 45 1303.92 8.01 348.87 112.79 117.25 14 7 29 703.9 11.60 342.04
 90.00 15 21 23 992.93 17.08 330.55 117.14 112.94 15 37 56 392.9 20.04 323.12
 100.00 14 21 4 1189.74 3.48 338.03 110.32 119.71 14 40 54 589.7 7.41 331.44
 100.00 17 28 45 5870.38 21.86 280.28 119.18 110.91 19 6 35 5270.4 24.51 272.48
 110.00 14 27 11 1170.53 -3.50 332.24 105.99 124.02 14 46 42 570.5 .99 326.03
 110.00 19 39 7 5462.35 29.61 252.33 122.21 107.92 21 10 9 4862.3 31.77 243.79

DIFFERENTIAL CORRECTIONS

TDE-2.6111 TRA 6.0979 TC3-1.2790 BAU .9573
 RDE .5570 RRA -.1218 RC3 -.0099 FAU .00634
 FDE -.6389 FRA 1.7789 FC3 -.0980 BSP 19413
 BDE 2.6698 BRA 6.0991 BC3 1.2791 FSP -475

MID-COURSE EXECUTION ACCURACY

SGT 5960.3 SGR 439.6 SG3 140.2
 RRT -.5271 RRF -.5173 RTF .9708
 SGB 5976.5 R23 .0041 R13 -.9708
 SG1 5964.8 SG2 373.3 THA 177.76

ORBIT DETERMINATION ACCURACY

ST 2551.3 SR 427.7 SS 675.4
 CRT -.8275 CRS .7759 CST -.9961
 LSA 2662.2 MSA 246.5 SSA 11.9
 EL1 2575.9 EL2 237.8 ALF 172.03

LAUNCH DATE JUN 24 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 26 1968

HELIOCENTRIC CONIC

DISTANCE 610.883

RL 152.05 LAL .00 LOL 271.82 VL 25.553 GAL 14.70 AZL 92.66 HCA 304.05 SMA 121.45 ECC .35183 INC 2.6618 V1 29.301
 RP 108.13 LAP 2.21 LOP 215.90 VP 36.904 GAP 19.65 AZP 91.49 TAL 148.54 TAP 92.58 RCA 78.72 APO 164.18 V2 35.045
 RC 183.942 GL -8.28 GP 3.10 ZAL 36.62 ZAP 176.60 ETS 111.67 ZAE 125.49 ETE 177.76 ZAC 51.45 ETC 13.21 CLP 178.61

PLANETOCENTRIC CONIC

C3 63.457 VHL 7.966 OLA -27.30 RAL 231.51 RAD 6569.2 VEL 13.595 PTH 2.48 VHP 12.197 DPA -8.01 RAP 214.19 ECC 2.0443
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 33 26 1395.96 5.11 354.08 115.29 117.89 13 56 42 796.0 8.80 347.35
 90.00 15 46 28 961.97 17.89 328.64 121.39 112.32 16 2 30 362.0 20.76 321.14
 100.00 14 17 7 1254.80 1.28 341.60 113.18 119.87 14 38 2 654.8 5.24 335.06
 100.00 17 45 28 5866.41 21.96 280.03 123.10 110.81 19 23 14 5266.4 24.59 272.22
 110.00 14 27 50 1221.15 -5.43 334.90 109.02 123.80 14 48 11 621.1 -.95 328.67
 110.00 19 51 14 5472.82 29.39 253.07 126.02 108.30 21 22 27 4872.8 31.60 244.56

DIFFERENTIAL CORRECTIONS

TDE-2.6373 TRA 6.6215 TC3-1.0810 BAU .9171
 RDE .5788 RRA -.1467 RC3 -.0079 FAU .00475
 FDE -.6223 FRA 1.8435 FC3 -.0648 BSP 19445
 BDE 2.7000 BRA 6.6231 BC3 1.0810 FSP -457

MID-COURSE EXECUTION ACCURACY

SGT 5940.5 SGR 433.1 SG3 134.9
 RRT -.5459 RRF -.5357 RTF .9730
 SGB 5956.2 R23 .0030 R13 -.9730
 SG1 5945.2 SG2 362.5 THA 177.71

ORBIT DETERMINATION ACCURACY

ST 2487.2 SR 417.8 SS 667.1
 CRT -.8150 CRS .7648 CST -.9965
 LSA 2597.0 MSA 247.5 SSA 11.5
 EL1 2510.6 EL2 239.8 ALF 172.13

LAUNCH DATE JUN 24 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 28 1968

HELIOCENTRIC CONIC

DISTANCE 614.783

RL 152.05 LAL .00 LOL 271.82 VL 25.520 GAL 15.98 AZL 92.59 HCA 307.25 SMA 121.26 ECC .36790 INC 2.5852 V1 29.301
 RP 108.18 LAP 2.06 LOP 219.10 VP 36.868 GAP 20.72 AZP 91.57 TAL 147.54 TAP 94.79 RCA 76.65 APO 165.88 V2 35.032
 RC 185.758 GL -7.48 GP 3.05 ZAL 35.35 ZAP 176.07 ETS 126.50 ZAE 125.17 ETE 177.78 ZAC 49.43 ETC 13.55 CLP 177.52

PLANETOCENTRIC CONIC

C3 72.270 VHL 8.501 OLA -26.80 RAL 232.97 RAD 6569.4 VEL 13.915 PTH 2.54 VHP 12.836 DPA -8.84 RAP 216.16 ECC 2.1894
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 24 33 1475.71 2.55 358.55 117.87 118.21 13 49 9 875.7 6.30 351.88
 90.00 16 7 1 944.14 18.35 327.53 125.35 111.95 16 22 45 344.1 21.17 319.99
 100.00 14 13 25 1317.90 -.87 345.06 115.97 119.88 14 35 22 717.9 3.12 338.54
 100.00 18 0 50 5865.22 21.98 279.95 126.87 110.78 19 38 36 5265.2 24.61 272.14
 110.00 14 28 3 1271.95 -7.34 337.58 111.97 123.48 14 49 15 671.9 -2.89 331.33
 110.00 20 2 42 5483.93 29.15 253.84 129.72 108.70 21 34 5 4883.9 31.42 245.37

DIFFERENTIAL CORRECTIONS

TDE-2.6694 TRA 7.1856 TC3 -.8966 BAU .8663
 RDE .6004 RRA -.1735 RC3 -.0066 FAU .00312
 FDE -.6088 FRA 1.9140 FC3 -.0374 BSP 19439
 BDE 2.7361 BRA 7.1877 BC3 .8966 FSP -440

MID-COURSE EXECUTION ACCURACY

SGT 5916.1 SGR 425.5 SG3 129.9
 RRT -.5648 RRF -.5543 RTF .9753
 SGB 5931.4 R23 .0018 R13 -.9754
 SG1 5921.0 SG2 350.8 THA 177.67

ORBIT DETERMINATION ACCURACY

ST 2426.6 SR 406.5 SS 662.0
 CRT -.8028 CRS .7543 CST -.9969
 LSA 2535.9 MSA 247.1 SSA 11.0
 EL1 2448.7 EL2 240.2 ALF 172.27

LAUNCH DATE JUN 24 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 30 1968

HELIOCENTRIC CONIC

DISTANCE 618.323

RL 152.05 LAL .00 LOL 271.82 VL 25.487 GAL 17.38 AZL 92.50 HCA 310.46 SMA 121.08 ECC .38576 INC 2.5018 V1 29.301
 RP 108.22 LAP 1.90 LOP 222.31 VP 36.833 GAP 21.90 AZP 91.62 TAL 146.63 TAP 97.09 RCA 74.37 APO 167.79 V2 35.019
 RC 187.557 GL -6.70 GP 2.99 ZAL 34.20 ZAP 175.32 ETS 137.59 ZAE 124.81 ETE 177.81 ZAC 47.45 ETC 13.92 CLP 176.40

PLANETOCENTRIC CONIC

C3 82.717 VHL 9.095 OLA -26.29 RAL 234.30 RAD 6569.6 VEL 14.285 PTH 2.60 VHP 13.545 DPA -9.64 RAP 218.10 ECC 2.3613
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 17 14 1549.04 .19 2.64 120.43 118.32 13 43 3 949.0 3.97 356.00
 90.00 16 24 53 933.15 18.62 326.84 129.10 111.72 16 40 26 333.2 21.41 319.28
 100.00 14 9 45 1379.41 -2.95 348.44 118.69 119.76 14 32 45 779.4 1.03 341.92
 100.00 18 15 2 5866.06 21.96 280.00 130.49 110.80 19 52 48 5266.1 24.60 272.19
 110.00 14 27 48 1322.76 -9.24 340.29 114.83 123.06 14 49 51 722.8 -4.82 333.99
 110.00 20 13 29 5495.47 28.89 254.64 133.27 109.11 21 45 4 4895.5 31.22 246.22

DIFFERENTIAL CORRECTIONS

TDE-2.7059 TRA 7.7985 TC3 -.7250 BAU .8018
 RDE .6217 RRA -.2023 RC3 -.0062 FAU .00139
 FDE -.5977 FRA 1.9924 FC3 -.0145 BSP 19331
 BDE 2.7764 BRA 7.8011 BC3 .7251 FSP -421

MID-COURSE EXECUTION ACCURACY

SGT 5888.4 SGR 416.8 SG3 125.3
 RRT -.5835 RRF -.5729 RTF .9778
 SGB 5903.1 R23 .0006 R13 -.9778
 SG1 5893.4 SG2 338.2 THA 177.63

ORBIT DETERMINATION ACCURACY

ST 2368.5 SR 393.9 SS 660.1
 CRT -.7906 CRS .7442 CST -.9972
 LSA 2478.0 MSA 245.3 SSA 10.5
 EL1 2389.1 EL2 239.1 ALF 172.43

LAUNCH DATE JUN 25 1967

FLIGHT TIME 70.00

ARRIVAL DATE SEP 3 1967

HELIOCENTRIC CONIC

DISTANCE 167.089

RL 152.06 LAL .00 LOL 272.77 VL 23.864 GAL -2.90 AZL 93.61 MCA 69.62 SMA 112.85 ECC .35072 INC 3.6122 V1 29.299
 RP 108.84 LAP -3.39 LOP 342.35 VP 35.535 GAP -20.43 AZP 91.26 TAL 185.40 TAP 255.01 RCA 73.27 APO 152.42 V2 34.819
 RC 43.133 GL -14.85 GP -2.74 ZAL 102.73 ZAP 7.59 ETS 158.74 ZAE 161.51 ETE 30.24 ZAC 96.45 ETC 13.83 CLP 7.08

PLANETOCENTRIC CONIC

C3 34.312 VHL 5.858 DLA -9.54 RAL 164.58 RAD 6568.4 VEL 12.477 PTH 2.26 VHP 12.392 DPA 4.78 RAP 170.54 ECC 1.5647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 22 31 2047.23 -15.19 31.16 33.01 114.19 5 56 38 1447.2 -11.79 24.12
 90.00 14 55 34 5292.04 27.19 239.78 38.84 81.77 16 23 46 4692.0 25.77 231.40
 100.00 6 39 10 1799.92 -16.42 12.38 32.42 115.34 7 9 10 1199.9 -12.87 5.39
 100.00 16 21 35 5014.57 28.53 219.14 38.61 80.67 17 45 10 4414.6 26.94 210.69
 110.00 7 36 46 1619.61 -19.68 356.96 30.68 118.53 8 3 45 1019.6 -15.71 350.08
 110.00 17 40 30 4767.66 32.12 199.59 37.81 77.61 18 59 57 4167.7 30.08 190.97

DIFFERENTIAL CORRECTIONS

TOE .3641 TRA -.6324 TC3 .2045 BAU .1020
 RDE -.3951 RRA -.1562 RC3 .0873 FAU .02284
 FDE -.3050 FRA .1879 FC3 -.5763 BSP 2060
 BOE .5373 BRA .6514 BC3 .2223 FSP -149

MID-COURSE EXECUTION ACCURACY

SGT 760.0 SGR 428.7 SG3 65.8
 RRT -.0491 RRF .0532 RTF -.6652
 SGB 872.6 R23 -.0055 R13 .6655
 SG1 760.5 SG2 428.0 THA 177.68

ORBIT DETERMINATION ACCURACY

ST 402.9 SR 389.3 SS 325.7
 CRT -.8218 CRS -.9512 CST .9540
 LSA 625.9 MSA 167.1 SSA 17.0
 EL1 534.7 EL2 167.1 ALF 136.20

LAUNCH DATE JUN 25 1967

FLIGHT TIME 72.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 173.766

RL 152.06 LAL .00 LOL 272.77 VL 24.198 GAL -2.95 AZL 93.55 MCA 72.78 SMA 114.41 ECC .33267 INC 3.5531 V1 29.299
 RP 108.81 LAP -3.39 LOP 345.53 VP 35.767 GAP -19.24 AZP 91.05 TAL 185.96 TAP 258.74 RCA 76.35 APO 152.47 V2 34.826
 RC 43.534 GL -15.65 GP -2.89 ZAL 103.86 ZAP 5.95 ETS 150.78 ZAE 159.47 ETE 26.42 ZAC 95.23 ETC 13.77 CLP 5.20

PLANETOCENTRIC CONIC

C3 30.837 VHL 5.553 DLA -9.80 RAL 163.17 RAD 6568.2 VEL 12.337 PTH 2.22 VHP 11.712 DPA 4.13 RAP 171.67 ECC 1.5075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 18 58 2011.80 -14.19 29.03 29.85 114.76 5 52 30 1411.8 -10.73 22.06
 90.00 14 47 49 5273.68 27.00 238.47 35.51 81.14 16 15 42 4673.7 25.50 230.12
 100.00 6 35 29 1764.96 -15.39 10.30 29.26 115.95 7 4 54 1165.0 -11.77 3.37
 100.00 16 13 59 4995.75 28.31 217.78 35.27 79.99 17 37 15 4395.8 26.64 209.38
 110.00 7 32 45 1585.65 -18.56 354.96 27.53 119.23 7 59 10 985.7 -14.52 348.17
 110.00 17 33 13 4747.83 31.82 198.12 34.43 76.79 18 52 21 4147.8 29.67 189.57

DIFFERENTIAL CORRECTIONS

TOE .3656 TRA -.6051 TC3 .2579 BAU .1132
 RDE -.3771 RRA -.1465 RC3 .0942 FAU .02428
 FDE -.3245 FRA .1751 FC3 -.6817 BSP 2180
 BOE .5252 BRA .6226 BC3 .2746 FSP -170

MID-COURSE EXECUTION ACCURACY

SGT 791.1 SGR 431.1 SG3 73.3
 RRT -.0574 RRF .0626 RTF -.6848
 SGB 900.9 R23 -.0068 R13 .6852
 SG1 791.6 SG2 430.1 THA 177.46

ORBIT DETERMINATION ACCURACY

ST 422.5 SR 391.8 SS 344.1
 CRT -.8336 CRS -.9582 CST .9532
 LSA 650.0 MSA 165.9 SSA 17.8
 EL1 551.9 EL2 165.7 ALF 137.59

LAUNCH DATE JUN 25 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 180.464

RL 152.06 LAL .00 LOL 272.77 VL 24.505 GAL -3.02 AZL 93.50 MCA 75.95 SMA 115.90 ECC .31600 INC 3.4960 V1 29.299
 RP 108.79 LAP -3.39 LOP 348.70 VP 35.983 GAP -18.09 AZP 90.85 TAL 186.58 TAP 262.54 RCA 79.27 APO 152.52 V2 34.834
 RC 44.099 GL -16.42 GP -3.05 ZAL 105.10 ZAP 4.49 ETS 136.94 ZAE 157.49 ETE 23.26 ZAC 94.04 ETC 13.73 CLP 3.30

PLANETOCENTRIC CONIC

C3 27.875 VHL 5.280 DLA -9.99 RAL 161.64 RAD 6568.1 VEL 12.217 PTH 2.20 VHP 11.064 DPA 3.48 RAP 172.77 ECC 1.4588
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 14 26 1980.21 -13.28 27.16 26.71 115.24 5 47 26 1380.2 -9.77 20.24
 90.00 14 40 10 5254.73 26.80 237.12 32.17 80.49 16 7 45 4654.7 25.21 228.81
 100.00 6 30 50 1733.72 -14.45 8.45 26.12 116.46 6 59 44 1133.7 -10.78 1.58
 100.00 16 6 27 4976.45 28.08 216.39 31.91 79.30 17 29 23 4376.5 26.31 208.04
 110.00 7 27 52 1555.16 -17.54 353.19 24.41 119.82 7 53 47 955.2 -13.44 346.47
 110.00 17 25 55 4727.78 31.50 196.65 31.04 75.97 18 44 43 4127.8 29.25 188.16

DIFFERENTIAL CORRECTIONS

TOE .3673 TRA -.5771 TC3 .3182 BAU .1244
 RDE -.3605 RRA -.1375 RC3 .1003 FAU .02590
 FDE -.3457 FRA .1595 FC3 -.8044 BSP 2305
 BOE .5147 BRA .5933 BC3 .3337 FSP -193

MID-COURSE EXECUTION ACCURACY

SGT 822.3 SGR 432.7 SG3 81.7
 RRT -.0673 RRF .0736 RTF -.7035
 SGB 929.2 R23 -.0083 R13 .7040
 SG1 823.0 SG2 431.3 THA 177.20

ORBIT DETERMINATION ACCURACY

ST 442.0 SR 393.8 SS 362.9
 CRT -.8457 CRS -.9648 CST .9525
 LSA 674.5 MSA 164.2 SSA 18.5
 EL1 569.1 EL2 163.2 ALF 138.90

LAUNCH DATE JUN 25 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 187.180

RL 152.06 LAL .00 LOL 272.77 VL 24.785 GAL -3.11 AZL 93.44 MCA 79.12 SMA 117.31 ECC .30065 INC 3.4404 V1 29.299
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.182 GAP -17.00 AZP 90.65 TAL 187.28 TAP 266.40 RCA 82.04 APO 152.58 V2 34.842
 RC 44.820 GL -17.16 GP -3.23 ZAL 106.45 ZAP 3.50 ETS 112.36 ZAE 155.60 ETE 20.59 ZAC 92.90 ETC 13.69 CLP 1.35

PLANETOCENTRIC CONIC

C3 25.352 VHL 5.035 DLA -10.12 RAL 160.02 RAD 6568.0 VEL 12.113 PTH 2.17 VHP 10.446 DPA 2.83 RAP 173.82 ECC 1.4172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 8 58 1952.68 -12.47 25.54 23.60 115.63 5 41 30 1352.7 -8.92 18.66
 90.00 14 32 43 5235.21 26.57 235.73 28.83 79.83 15 59 58 4635.2 24.90 227.47
 100.00 6 25 18 1706.41 -13.61 6.85 23.02 116.87 6 53 44 1106.4 -9.90 .03
 100.00 15 59 4 4956.71 27.82 214.98 28.57 78.60 17 21 41 4356.7 25.96 206.67
 110.00 7 22 10 1528.32 -16.62 351.65 21.33 120.31 7 47 38 928.3 -12.47 344.99
 110.00 17 18 41 4707.56 31.15 195.17 27.67 75.16 18 37 9 4107.6 28.80 186.76

DIFFERENTIAL CORRECTIONS

TOE .3668 TRA -.5503 TC3 .3818 BAU .1342
 RDE -.3453 RRA -.1293 RC3 .1052 FAU .02771
 FDE -.3680 FRA .1412 FC3 -.9463 BSP 2374
 BOE .5038 BRA .5652 BC3 .3960 FSP -218

MID-COURSE EXECUTION ACCURACY

SGT 852.4 SGR 433.5 SG3 91.0
 RRT -.0764 RRF .0858 RTF -.7182
 SGB 956.3 R23 -.0120 R13 .7187
 SG1 853.3 SG2 431.8 THA 177.01

ORBIT DETERMINATION ACCURACY

ST 459.1 SR 395.5 SS 381.4
 CRT -.8560 CRS -.9709 CST .9508
 LSA 697.0 MSA 162.8 SSA 19.3
 EL1 584.3 EL2 160.7 ALF 139.96

LAUNCH DATE JUN 25 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 193.908

RL 152.06 LAL .00 LOL 272.77 VL 25.042 GAL -3.20 AZL 93.39 MCA 82.30 SMA 118.66 ECC .28656 INC 3.3860 V1 29.299
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.367 GAP -15.97 AZP 90.45 TAL 188.03 TAP 270.32 RCA 84.65 APO 152.66 V2 34.851
 RC 45.690 GL -17.85 GP -3.43 ZAL 107.89 ZAP 3.48 ETS 79.05 ZAE 153.86 ETE 18.29 ZAC 91.80 ETC 13.67 CLP -.63

PLANETOCENTRIC CONIC

C3 23.207 VHL 4.817 DLA -10.17 RAL 158.33 RAD 6567.9 VEL 12.024 PTH 2.15 VHP 9.856 DPA 2.17 RAP 174.83 ECC 1.3819
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 2 37 1929.35 -11.78 24.17 20.54 115.94 5 34 46 1329.4 -8.20 17.33
 90.00 14 25 33 5215.14 26.32 234.32 25.54 79.16 15 52 29 4615.1 24.56 226.09
 100.00 6 18 55 1683.17 -12.90 5.50 19.97 117.20 6 46 58 1083.2 -9.15 358.72
 100.00 15 51 56 4936.55 27.54 213.55 25.26 77.89 17 14 13 4336.6 25.59 205.29
 110.00 7 15 43 1505.28 -15.82 350.33 18.30 120.70 7 40 49 905.3 -11.63 343.73
 110.00 17 11 37 4687.21 30.79 193.70 24.34 74.36 18 29 44 4087.2 28.34 185.36

DIFFERENTIAL CORRECTIONS

TDE .3698 TRA -.5216 TC3 .4610 BAU .1469
 RDE -.3315 RRA -.1217 RC3 .1085 FAU .02978
 FDE -.3927 FRA .1187 FC3-1.1111 BSP 2595
 BDE .4967 BRA .5356 BC3 .4736 FSP -249

MID-COURSE EXECUTION ACCURACY

SGT 887.7 SGR 433.6 SG3 101.7
 RRT -.0891 RRF .1003 RTF -.7384
 SGB 988.0 R23 -.0142 R13 .7391
 SG1 888.8 SG2 431.4 THA 176.74

ORBIT DETERMINATION ACCURACY

ST 479.0 SR 396.8 SS 400.4
 CRT -.8685 CRS -.9766 CST .9504
 LSA 721.9 MSA 160.2 SSA 20.1
 EL1 602.0 EL2 156.5 ALF 141.15

LAUNCH DATE JUN 25 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 200.644

RL 152.06 LAL .00 LOL 272.77 VL 25.276 GAL -3.30 AZL 93.33 MCA 85.47 SMA 119.92 ECC .27367 INC 3.3324 V1 29.299
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.538 GAP -14.97 AZP 90.26 TAL 188.83 TAP 274.30 RCA 87.10 APO 152.74 V2 34.860
 RC 46.700 GL -18.49 GP -3.65 ZAL 109.40 ZAP 4.52 ETS 53.18 ZAE 152.28 ETE 16.27 ZAC 90.75 ETC 13.67 CLP -2.67

PLANETOCENTRIC CONIC

C3 21.384 VHL 4.624 DLA -10.14 RAL 156.58 RAD 6567.9 VEL 11.948 PTH 2.13 VHP 9.294 DPA 1.51 RAP 175.77 ECC 1.3519
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 55 28 1910.29 -11.21 23.06 17.56 116.17 5 27 18 1310.3 -7.61 16.24
 90.00 14 18 47 5194.55 26.05 232.87 22.31 78.49 15 45 22 4594.5 24.20 224.69
 100.00 6 11 47 1664.06 -12.30 4.40 17.00 117.46 6 39 31 1064.1 -8.52 357.64
 100.00 15 45 9 4916.00 27.24 212.10 22.02 77.18 17 7 5 4316.0 25.20 203.89
 110.00 7 8 37 1486.08 -15.15 349.25 15.36 121.01 7 33 23 886.1 -10.93 342.69
 110.00 17 4 48 4666.75 30.40 192.23 21.08 73.57 18 22 35 4066.8 27.85 183.96

DIFFERENTIAL CORRECTIONS

TDE .3710 TRA -.4898 TC3 .5361 BAU .1564
 RDE -.3191 RRA -.1149 RC3 .1096 FAU .03217
 FDE -.4203 FRA .0912 FC3-1.3023 BSP 2672
 BDE .4894 BRA .5031 BC3 .5472 FSP -285

MID-COURSE EXECUTION ACCURACY

SGT 915.1 SGR 433.1 SG3 113.8
 RRT -.1070 RRF .1180 RTF -.7528
 SGB 1012.4 R23 -.0147 R13 .7536
 SG1 916.6 SG2 429.9 THA 176.28

ORBIT DETERMINATION ACCURACY

ST 495.8 SR 397.8 SS 420.1
 CRT -.8808 CRS -.9818 CST .9497
 LSA 745.2 MSA 157.2 SSA 21.0
 EL1 617.4 EL2 151.2 ALF 142.07

LAUNCH DATE JUN 25 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 207.384

RL 152.06 LAL .00 LOL 272.77 VL 25.490 GAL -3.40 AZL 93.28 MCA 88.64 SMA 121.11 ECC .26193 INC 3.2792 V1 29.299
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.695 GAP -14.02 AZP 90.08 TAL 189.68 TAP 278.32 RCA 89.38 APO 152.83 V2 34.870
 RC 47.841 GL -19.07 GP -3.89 ZAL 110.96 ZAP 6.16 ETS 38.50 ZAE 150.88 ETE 14.46 ZAC 89.78 ETC 13.67 CLP -4.77

PLANETOCENTRIC CONIC

C3 19.837 VHL 4.454 DLA -10.05 RAL 154.81 RAD 6567.8 VEL 11.883 PTH 2.11 VHP 8.758 DPA .85 RAP 176.65 ECC 1.3265
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 38 1895.41 -10.77 22.20 14.68 116.35 5 19 14 1295.4 -7.14 15.40
 90.00 14 12 29 5173.49 25.76 231.40 19.17 77.81 15 38 43 4573.5 23.82 223.26
 100.00 6 4 1 1649.01 -11.82 3.53 14.13 117.66 6 31 30 1049.0 -8.03 356.80
 100.00 15 38 48 4895.12 26.91 210.63 18.87 76.48 17 0 23 4295.1 24.79 202.48
 110.00 7 0 58 1470.66 -14.61 348.38 12.51 121.25 7 25 29 870.7 -10.37 341.86
 110.00 16 58 20 4646.23 30.00 190.77 17.91 72.79 18 15 46 4046.2 27.35 182.58

DIFFERENTIAL CORRECTIONS

TDE .3709 TRA -.4607 TC3 .6166 BAU .1660
 RDE -.3080 RRA -.1088 RC3 .1081 FAU .03482
 FDE -.4496 FRA .0601 FC3-1.5199 BSP 2781
 BDE .4821 BRA .4734 BC3 .6260 FSP -324

MID-COURSE EXECUTION ACCURACY

SGT 944.2 SGR 431.9 SG3 127.4
 RRT -.1241 RRF .1378 RTF -.7663
 SGB 1038.3 R23 -.0182 R13 .7673
 SG1 946.2 SG2 427.7 THA 175.91

ORBIT DETERMINATION ACCURACY

ST 510.4 SR 398.6 SS 439.1
 CRT -.8913 CRS -.9861 CST .9483
 LSA 766.6 MSA 155.0 SSA 21.9
 EL1 630.9 EL2 146.2 ALF 142.83

LAUNCH DATE JUN 25 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 214.125

RL 152.06 LAL .00 LOL 272.77 VL 25.684 GAL -3.50 AZL 93.23 MCA 91.82 SMA 122.21 ECC .25127 INC 3.2261 V1 29.299
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.840 GAP -13.11 AZP 89.90 TAL 190.56 TAP 282.38 RCA 91.50 APO 152.92 V2 34.881
 RC 49.103 GL -19.58 GP -4.17 ZAL 112.55 ZAP 8.10 ETS 30.15 ZAE 149.70 ETE 12.81 ZAC 88.87 ETC 13.69 CLP -6.95

PLANETOCENTRIC CONIC

C3 18.525 VHL 4.304 DLA -9.89 RAL 153.04 RAD 6567.7 VEL 11.828 PTH 2.09 VHP 8.247 DPA .19 RAP 177.46 ECC 1.3049
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 39 16 1884.58 -10.44 21.57 11.90 116.47 5 10 40 1284.6 -6.80 14.78
 90.00 14 6 44 5152.01 25.44 229.91 16.15 77.12 15 32 36 4552.0 23.41 221.82
 100.00 5 55 44 1637.90 -11.47 2.90 11.36 117.79 6 23 1 1037.9 -7.66 356.18
 100.00 15 32 58 4873.93 26.57 209.15 15.84 75.77 16 54 11 4273.9 24.35 201.05
 110.00 6 52 53 1458.91 -14.20 347.73 9.78 121.43 7 17 12 858.9 -9.93 341.22
 110.00 16 52 17 4625.67 29.58 189.32 14.86 72.03 18 9 23 4025.7 26.84 181.20

DIFFERENTIAL CORRECTIONS

TDE .3702 TRA -.4313 TC3 .6998 BAU .1752
 RDE -.2981 RRA -.1036 RC3 .1034 FAU .03786
 FDE -.4819 FRA .0237 FC3-1.7694 BSP 2888
 BDE .4753 BRA .4435 BC3 .7074 FSP -369

MID-COURSE EXECUTION ACCURACY

SGT 972.3 SGR 430.2 SG3 142.8
 RRT -.1444 RRF .1611 RTF -.7792
 SGB 1063.2 R23 -.0222 R13 .7804
 SG1 974.7 SG2 424.6 THA 175.49

ORBIT DETERMINATION ACCURACY

ST 523.2 SR 399.1 SS 458.3
 CRT -.9012 CRS -.9898 CST .9468
 LSA 786.8 MSA 153.0 SSA 22.8
 EL1 642.8 EL2 140.8 ALF 143.46

LAUNCH DATE JUN 25 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 220.864

RL 152.06 LAL .00 LOL 272.77 VL 25.860 GAL -3.60 AZL 93.17 HCA 95.00 SMA 123.24 ECC .24164 INC 3.1728 V1 29.299
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.973 GAP -12.24 AZP 89.72 TAL 191.46 TAP 286.46 RCA 93.46 APO 153.02 V2 34.891
 RC 50.476 GL -20.02 GP -4.48 ZAL 114.15 ZAP 10.22 ETS 25.00 ZAE 148.74 ETE 11.27 ZAC 88.06 ETC 13.72 CLP -9.20

PLANETOCENTRIC CONIC

C3 17.413 VHL 4.173 DLA -9.66 RAL 151.30 RAD 6567.7 VEL 11.781 PTH 2.08 VHP 7.761 DPA -.47 RAP 178.17 ECC 1.2866
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 30 28 1877.57 -10.22 21.17 9.27 116.55 5 1 45 1277.6 -6.58 14.39
 90.00 14 1 36 5130.17 25.10 228.40 13.25 76.44 15 27 6 4530.2 22.98 220.36
 100.00 5 47 3 1630.48 -11.24 2.47 8.74 117.88 6 14 14 1030.5 -7.42 355.76
 100.00 15 27 41 4852.49 26.20 207.66 12.94 75.07 16 48 34 4252.5 23.89 199.62
 110.00 6 44 30 1450.62 -13.90 347.27 7.18 121.55 7 8 40 850.6 -9.63 340.78
 110.00 16 46 44 4605.12 29.14 187.88 11.94 71.28 18 3 29 4005.1 26.30 179.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3681 TRA -.4028 TC3 .7812 BAU .1832 SGT 997.6 SGR 428.0 SG3 160.2 ST 533.1 SR 399.5 SS 477.0
 RDE -.2894 RRA -.0991 RC3 .0952 FAU .04128 RRT -.1676 RRF .1880 RTF -.7900 CRT -.9101 CRS -.9926 CST .9450
 FDE -.5167 FRA -.0180 FC3-2.0521 BSP 2986 SGB 1085.6 R23 -.0273 R13 .7916 LSA 804.8 MSA 151.5 SSA 23.6
 BDE .4682 BRA .4148 BC3 .7870 FSP -420 SG1 1000.8 SG2 420.7 THA 175.00 EL1 652.3 EL2 135.3 ALF 143.91

LAUNCH DATE JUN 25 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 227.596

RL 152.06 LAL .00 LOL 272.77 VL 26.020 GAL -3.70 AZL 93.12 HCA 98.18 SMA 124.20 ECC .23296 INC 3.1189 V1 29.299
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.096 GAP -11.40 AZP 89.56 TAL 192.38 TAP 290.56 RCA 95.27 APO 153.13 V2 34.903
 RC 51.950 GL -20.37 GP -4.82 ZAL 115.73 ZAP 12.51 ETS 21.59 ZAE 148.01 ETE 9.80 ZAC 87.34 ETC 13.76 CLP -11.55

PLANETOCENTRIC CONIC

C3 16.472 VHL 4.059 DLA -9.37 RAL 149.59 RAD 6567.7 VEL 11.741 PTH 2.07 VHP 7.300 DPA -1.12 RAP 178.79 ECC 1.2711
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 21 23 1874.10 -10.12 20.97 6.78 116.59 4 52 37 1274.1 -6.47 14.19
 90.00 13 57 6 5108.05 24.74 226.88 10.52 75.76 15 22 14 4508.0 22.54 218.90
 100.00 5 38 8 1626.50 -11.11 2.24 6.26 117.93 6 5 15 1026.5 -7.29 355.54
 100.00 15 23 2 4830.88 25.81 206.17 10.20 74.38 16 43 33 4230.9 23.42 198.19
 110.00 6 35 56 1445.54 -13.72 346.98 4.73 121.62 7 0 1 845.5 -9.44 340.50
 110.00 16 41 44 4584.60 28.68 186.46 9.18 70.55 17 58 9 3984.6 25.76 178.49

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3653 TRA -.3742 TC3 .8617 BAU .1906 SGT 1020.7 SGR 425.7 SG3 180.0 ST 540.5 SR 399.7 SS 495.8
 RDE -.2816 RRA -.0955 RC3 .0828 FAU .04519 RRT -.1952 RRF .2198 RTF -.8002 CRT -.9183 CRS -.9947 CST .9429
 FDE -.5550 FRA -.0666 FC3-2.3752 BSP 3083 SGB 1105.9 R23 -.0331 R13 .8021 LSA 821.3 MSA 150.5 SSA 24.3
 BDE .4612 BRA .3862 BC3 .8656 FSP -479 SG1 1024.7 SG2 415.9 THA 174.42 EL1 659.6 EL2 129.6 ALF 144.23

LAUNCH DATE JUN 25 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 234.320

RL 152.06 LAL .00 LOL 272.77 VL 26.163 GAL -3.79 AZL 93.06 HCA 101.37 SMA 125.08 ECC .22517 INC 3.0641 V1 29.299
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.208 GAP -10.60 AZP 89.40 TAL 193.29 TAP 294.66 RCA 96.91 APO 153.24 V2 34.914
 RC 53.515 GL -20.64 GP -5.21 ZAL 117.27 ZAP 14.93 ETS 19.19 ZAE 147.53 ETE 8.37 ZAC 86.74 ETC 13.81 CLP -14.01

PLANETOCENTRIC CONIC

C3 15.673 VHL 3.959 DLA -9.03 RAL 147.96 RAD 6567.6 VEL 11.707 PTH 2.06 VHP 6.861 DPA -1.77 RAP 179.29 ECC 1.2579
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 12 10 1873.81 -10.11 20.95 4.45 116.59 4 43 24 1273.8 -6.46 14.17
 90.00 13 53 17 5085.72 24.35 225.35 7.94 75.09 15 18 3 4485.7 22.07 217.43
 100.00 5 29 6 1625.62 -11.08 2.19 3.94 117.94 5 56 12 1025.6 -7.26 355.49
 100.00 15 19 3 4809.15 25.41 204.69 7.62 73.70 16 39 12 4209.2 22.93 196.77
 110.00 6 27 19 1443.37 -13.64 346.86 2.44 121.65 6 51 22 843.4 -9.36 340.39
 110.00 16 37 20 4564.16 28.21 185.05 6.59 69.84 17 53 24 3964.2 25.20 177.17

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3608 TRA -.3469 TC3 .9368 BAU .1968 SGT 1039.8 SGR 423.5 SG3 202.4 ST 544.5 SR 399.8 SS 514.4
 RDE -.2748 RRA -.0928 RC3 .0658 FAU .04963 RRT -.2269 RRF .2567 RTF -.8087 CRT -.9254 CRS -.9961 CST .9403
 FDE -.5967 FRA -.1220 FC3-2.7415 BSP 3165 SGB 1122.8 R23 -.0403 R13 .8111 LSA 835.3 MSA 150.4 SSA 24.9
 BDE .4536 BRA .3591 BC3 .9391 FSP -547 SG1 1045.1 SG2 410.4 THA 173.75 EL1 664.0 EL2 124.3 ALF 144.36

LAUNCH DATE JUN 25 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 241.033

RL 152.06 LAL .00 LOL 272.77 VL 26.293 GAL -3.88 AZL 93.01 HCA 104.55 SMA 125.88 ECC .21822 INC 3.0080 V1 29.299
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.310 GAP -9.82 AZP 89.24 TAL 194.19 TAP 298.75 RCA 98.41 APO 153.35 V2 34.926
 RC 55.163 GL -20.82 GP -5.65 ZAL 118.77 ZAP 17.50 ETS 17.43 ZAE 147.31 ETE 6.95 ZAC 86.27 ETC 13.87 CLP -16.59

PLANETOCENTRIC CONIC

C3 14.994 VHL 3.872 DLA -8.65 RAL 146.42 RAD 6567.6 VEL 11.678 PTH 2.05 VHP 6.447 DPA -2.42 RAP 179.66 ECC 1.2468
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 2 57 1876.35 -10.19 21.10 2.29 116.56 4 34 13 1276.3 -6.54 14.32
 90.00 13 50 11 5063.27 23.95 223.83 5.55 74.43 15 14 35 4463.3 21.58 215.96
 100.00 5 20 6 1627.49 -11.14 2.30 1.79 117.92 5 47 13 1027.5 -7.32 355.60
 100.00 15 15 44 4787.36 24.98 203.21 5.22 73.03 16 35 31 4187.4 22.42 195.35
 110.00 6 18 45 1443.79 -13.66 346.89 .32 121.65 6 42 49 843.8 -9.37 340.41
 110.00 16 33 33 4543.82 27.72 183.67 4.17 69.15 17 49 17 3943.8 24.63 175.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3549 TRA -.3210 TC3 1.0047 BAU .2016 SGT 1054.5 SGR 421.8 SG3 227.9 ST 545.0 SR 399.9 SS 533.1
 RDE -.2689 RRA -.0910 RC3 .0435 FAU .05468 RRT -.2636 RRF .2997 RTF -.8155 CRT -.9313 CRS -.9967 CST .9373
 FDE -.6425 FRA -.1851 FC3-3.1573 BSP 3228 SGB 1135.8 R23 -.0494 R13 .8187 LSA 847.2 MSA 151.1 SSA 25.4
 BDE .4452 BRA .3337 BC3 1.0057 FSP -624 SG1 1061.4 SG2 404.3 THA 172.95 EL1 665.4 EL2 119.3 ALF 144.33

LAUNCH DATE JUN 25 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 247.731

RL 152.06 LAL .00 LOL 272.77 VL 26.409 GAL -3.97 AZL 92.95 HCA 107.74 SMA 126.62 ECC .21203 INC 2.9503 V1 29.299
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.403 GAP -9.08 AZP 89.10 TAL 195.07 TAP 302.81 RCA 99.77 APO 153.47 V2 34.938
 RC 56.885 GL -20.93 GP -6.14 ZAL 120.20 ZAP 20.23 ETS 16.10 ZAE 147.35 ETE 5.48 ZAC 85.94 ETC 13.93 CLP -19.31

PLANETOCENTRIC CONIC

C3 14.415 VHL 3.797 DLA -8.22 RAL 144.97 RAD 6567.6 VEL 11.653 PTH 2.05 VHP 6.055 DPA -3.06 RAP 179.88 ECC 1.2372
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 53 50 1881.36 -10.34 21.39 .32 116.51 4 25 11 1281.4 -6.70 14.60
 90.00 13 47 48 5040.72 23.53 222.31 3.34 73.78 15 11 49 4440.7 21.08 214.50
 100.00 5 11 12 1631.77 -11.28 2.55 359.83 117.87 5 38 23 1031.8 -7.46 355.84
 100.00 15 13 7 4765.54 24.54 201.74 3.00 72.37 16 32 33 4165.5 21.90 193.94
 110.00 6 10 22 1446.48 -13.75 347.04 358.38 121.61 6 34 29 846.5 -9.47 340.55
 110.00 16 30 26 4523.59 27.23 182.31 1.94 68.48 17 45 50 3923.6 24.06 174.57

DIFFERENTIAL CORRECTIONS

TOE .3488 TRA -2.951 TC3 1.0673 BAU .2057
 RDE -.2638 RRA -.0903 RC3 .0151 FAU .06047
 FDE -.6938 FRA -.2584 FC3-3.6318 BSP 3319
 BDE .4373 BRA .3086 BC3 1.0674 FSP -716

MID-COURSE EXECUTION ACCURACY

SGT 1066.0 SGR 421.3 SG3 257.1
 RRT -.3078 RRF .3503 RTF -.8223
 SGB 1146.3 R23 -.0591 R13 .8265
 SG1 1075.2 SG2 397.5 THA 171.96

ORBIT DETERMINATION ACCURACY

ST 543.9 SR 400.2 SS 552.9
 CRT -.9369 CRS -.9968 CST .9344
 LSA 859.0 MSA 152.2 SSA 25.6
 EL1 665.5 EL2 114.4 ALF 144.20

LAUNCH DATE JUN 25 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 254.415

RL 152.06 LAL .00 LOL 272.77 VL 26.513 GAL -4.04 AZL 92.89 HCA 110.93 SMA 127.28 ECC .20655 INC 2.8904 V1 29.299
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.488 GAP -8.37 AZP 88.97 TAL 195.91 TAP 306.84 RCA 100.99 APO 153.57 V2 34.951
 RC 58.673 GL -20.95 GP -6.70 ZAL 121.55 ZAP 23.13 ETS 15.07 ZAE 147.67 ETE 3.93 ZAC 85.79 ETC 13.99 CLP -22.19

PLANETOCENTRIC CONIC

C3 13.918 VHL 3.731 DLA -7.76 RAL 143.65 RAD 6567.5 VEL 11.632 PTH 2.04 VHP 5.686 DPA -3.70 RAP 179.93 ECC 1.2291
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 44 55 1888.48 -10.56 21.80 358.52 116.43 4 16 24 1288.5 -6.92 15.00
 90.00 13 46 8 5018.12 23.09 220.80 1.32 73.14 15 9 46 4418.1 20.57 213.04
 100.00 5 2 32 1638.11 -11.48 2.91 358.04 117.79 5 29 50 1038.1 -7.67 356.19
 100.00 15 11 13 4743.72 24.08 200.28 .98 71.73 16 30 17 4143.7 21.36 192.54
 110.00 6 2 15 1451.12 -13.92 347.29 356.62 121.54 6 26 26 851.1 -9.64 340.80
 110.00 16 27 59 4503.47 26.72 180.96 359.90 67.84 17 43 3 3903.5 23.47 173.30

DIFFERENTIAL CORRECTIONS

TOE .3389 TRA -.2736 TC3 1.1128 BAU .2071
 RDE -.2593 RRA -.0905 RC3 -.0197 FAU .06694
 FDE -.7474 FRA -.3388 FC3-4.1640 BSP 3341
 BDE .4267 BRA .2882 BC3 1.1130 FSP -816

MID-COURSE EXECUTION ACCURACY

SGT 1067.8 SGR 422.4 SG3 289.7
 RRT -.3546 RRF .4068 RTF -.8251
 SGB 1148.3 R23 -.0738 R13 .8308
 SG1 1079.9 SG2 390.6 THA 170.80

ORBIT DETERMINATION ACCURACY

ST 536.4 SR 400.4 SS 571.1
 CRT -.9401 CRS -.9964 CST .9298
 LSA 865.8 MSA 154.7 SSA 25.8
 EL1 660.1 EL2 110.9 ALF 143.75

LAUNCH DATE JUN 25 1967

FLIGHT TIME 98.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 261.082

RL 152.06 LAL .00 LOL 272.77 VL 26.604 GAL -4.11 AZL 92.83 HCA 114.12 SMA 127.88 ECC .20172 INC 2.8279 V1 29.299
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.565 GAP -7.68 AZP 88.84 TAL 196.70 TAP 310.82 RCA 102.09 APO 153.68 V2 34.964
 RC 60.521 GL -20.88 GP -7.33 ZAL 122.81 ZAP 26.22 ETS 14.24 ZAE 148.26 ETE 2.24 ZAC 85.82 ETC 14.05 CLP -25.25

PLANETOCENTRIC CONIC

C3 13.488 VHL 3.673 DLA -7.26 RAL 142.45 RAD 6567.5 VEL 11.614 PTH 2.03 VHP 5.340 DPA -4.33 RAP 179.79 ECC 1.2220
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 36 18 1897.42 -10.83 22.32 356.92 116.33 4 7 56 1297.4 -7.20 15.51
 90.00 13 45 12 4995.46 22.64 219.30 359.48 72.52 15 8 28 4395.5 20.03 211.59
 100.00 4 54 10 1646.23 -11.74 3.37 356.44 117.69 5 21 36 1046.2 -7.94 356.64
 100.00 15 10 2 4721.88 23.61 198.83 359.14 71.11 16 28 43 4121.9 20.81 191.15
 110.00 5 54 28 1457.45 -14.14 347.65 355.04 121.45 6 18 45 857.4 -9.88 341.14
 110.00 16 26 13 4483.43 26.19 179.64 358.05 67.21 17 40 57 3883.4 22.88 172.05

DIFFERENTIAL CORRECTIONS

TOE .3270 TRA -.2548 TC3 1.1436 BAU .2065
 RDE -.2554 RRA -.0919 RC3 -.0621 FAU .07424
 FDE -.8051 FRA -.4286 FC3-4.7654 BSP 3341
 BDE .4149 BRA .2708 BC3 1.1453 FSP -931

MID-COURSE EXECUTION ACCURACY

SGT 1061.3 SGR 426.3 SG3 326.5
 RRT -.4059 RRF .4701 RTF -.8254
 SGB 1143.7 R23 -.0924 R13 .8334
 SG1 1077.4 SG2 383.8 THA 169.37

ORBIT DETERMINATION ACCURACY

ST 524.7 SR 400.9 SS 589.0
 CRT -.9419 CRS -.9956 CST .9243
 LSA 870.2 MSA 157.9 SSA 25.7
 EL1 651.3 EL2 108.5 ALF 143.07

LAUNCH DATE JUN 25 1967

FLIGHT TIME 100.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 267.730

RL 152.06 LAL .00 LOL 272.77 VL 26.686 GAL -4.17 AZL 92.76 HCA 117.31 SMA 128.42 ECC .19748 INC 2.7621 V1 29.299
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.635 GAP -7.02 AZP 88.73 TAL 197.44 TAP 314.75 RCA 103.06 APO 153.78 V2 34.977
 RC 62.420 GL -20.74 GP -8.05 ZAL 123.98 ZAP 29.52 ETS 13.56 ZAE 149.14 ETE .33 ZAC 86.05 ETC 14.09 CLP -28.50

PLANETOCENTRIC CONIC

C3 13.111 VHL 3.621 DLA -6.74 RAL 141.39 RAD 6567.5 VEL 11.597 PTH 2.03 VHP 5.017 DPA -4.96 RAP 179.45 ECC 1.2158
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 28 1 1907.91 -11.14 22.93 355.49 116.20 3 59 49 1307.9 -7.53 16.11
 90.00 13 45 0 4972.68 22.16 217.79 357.83 71.91 15 7 53 4372.7 19.49 210.14
 100.00 4 46 9 1655.87 -12.04 3.93 355.03 117.57 5 13 45 1055.9 -8.26 357.18
 100.00 15 9 33 4699.96 23.12 197.38 357.48 70.50 16 27 53 4100.0 20.25 189.76
 110.00 5 47 3 1465.21 -14.42 348.08 353.65 121.33 6 11 28 865.2 -10.16 341.56
 110.00 16 25 9 4463.38 25.66 178.33 356.39 66.60 17 39 32 3863.4 22.27 170.81

DIFFERENTIAL CORRECTIONS

TOE .3125 TRA -.2395 TC3 1.1562 BAU .2036
 RDE -.2522 RRA -.0944 RC3 -.1130 FAU .08240
 FDE -.8658 FRA -.5272 FC3-5.4410 BSP 3303
 BDE .4016 BRA .2574 BC3 1.1617 FSP -1059

MID-COURSE EXECUTION ACCURACY

SGT 1044.7 SGR 434.3 SG3 367.7
 RRT -.4595 RRF .5388 RTF -.8225
 SGB 1131.3 R23 -.1167 R13 .8341
 SG1 1066.4 SG2 377.8 THA 167.61

ORBIT DETERMINATION ACCURACY

ST 508.2 SR 401.6 SS 606.0
 CRT -.9418 CRS -.9945 CST .9171
 LSA 871.8 MSA 161.8 SSA 25.6
 EL1 638.8 EL2 107.4 ALF 142.08

LAUNCH DATE JUN 25 1967

FLIGHT TIME 102.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 274.358

RL 152.06 LAL .00 LOL 272.77 VL 26.757 GAL -4.22 AZL 92.69 HCA 120.51 SMA 128.89 ECC .19377 INC 2.6923 V1 29.299
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.697 GAP -6.38 AZP 88.63 TAL 198.10 TAP 318.61 RCA 103.92 APO 153.87 V2 34.990
 RC 64.367 GL -20.53 GP -8.86 ZAL 125.04 ZAP 33.04 ETS 12.98 ZAE 150.30 ETE 358.11 ZAC 86.52 ETC 14.11 CLP -31.96

PLANETOCENTRIC CONIC

C3 12.777 VHL 3.574 DLA -6.19 RAL 140.46 RAD 6567.5 VEL 11.583 PTH 2.03 VHP 4.718 DPA -5.59 RAP 178.87 ECC 1.2103
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 20 7 1919.80 -11.50 23.62 354.25 116.06 3 52 7 1319.8 -7.90 16.78
 90.00 13 45 32 4949.68 21.67 216.29 356.37 71.31 15 8 2 4349.7 18.92 208.69
 100.00 4 38 31 1666.87 -12.39 4.56 353.80 117.42 5 6 18 1066.9 -8.62 357.80
 100.00 15 9 49 4677.84 22.61 195.94 356.01 69.91 16 27 47 4077.8 19.67 188.38
 110.00 5 40 2 1474.25 -14.74 348.59 352.44 121.20 6 4 37 874.3 -10.50 342.05
 110.00 16 24 47 4443.22 25.11 177.02 354.90 66.00 17 38 50 3843.2 21.65 169.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2974 TRA -.2266 TC3 1.1534 BAU .1993 SGT 1020.1 SGR 448.3 SG3 414.2 ST 489.7 SR 403.1 SS 624.2
 RDE -.2497 RRA -.0985 RC3 -.1746 FAU .09161 RRT -.5154 RRF .6119 RTF -.8172 CRT -.9405 CRS -.9934 CST .9090
 FDE -.9322 FRA -.6372 FC3-6.2070 BSP 3282 SGB 1114.2 R23 -.1460 R13 .8343 LSA 873.9 MSA 166.1 SSA 25.2
 BDE .3883 BRA .2471 BC3 1.1666 FSP -1211 SG1 1049.9 SG2 373.3 THA 165.35 EL1 625.1 EL2 107.3 ALF 140.88

LAUNCH DATE JUN 25 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 280.965

RL 152.06 LAL .00 LOL 272.77 VL 26.819 GAL -4.26 AZL 92.62 HCA 123.71 SMA 129.31 ECC .19055 INC 2.6178 V1 29.299
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.753 GAP -5.77 AZP 88.55 TAL 198.70 TAP 322.41 RCA 104.67 APO 153.95 V2 35.003
 RC 66.356 GL -20.23 GP -9.78 ZAL 126.01 ZAP 36.81 ETS 12.46 ZAE 151.74 ETE 355.43 ZAC 87.24 ETC 14.10 CLP -35.67

PLANETOCENTRIC CONIC

C3 12.475 VHL 3.532 DLA -5.61 RAL 139.69 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 4.442 DPA -6.22 RAP 178.03 ECC 1.2053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 12 36 1932.92 -11.89 24.38 353.19 115.89 3 44 49 1332.9 -8.31 17.53
 90.00 13 46 50 4926.32 21.15 214.77 355.08 70.72 15 8 56 4326.3 18.33 207.23
 100.00 4 31 17 1679.07 -12.77 5.27 352.74 117.26 4 59 16 1079.1 -9.01 358.49
 100.00 15 10 50 4655.40 22.08 194.48 354.72 69.32 16 28 25 4055.4 19.06 186.98
 110.00 5 33 27 1484.43 -15.10 349.16 351.40 121.04 5 58 12 884.4 -10.87 342.60
 110.00 16 25 9 4422.80 24.54 175.71 353.60 65.42 17 38 52 3822.8 21.01 168.33

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2777 TRA -.2201 TC3 1.1207 BAU .1914 SGT 978.9 SGR 469.4 SG3 464.5 ST 463.7 SR 404.8 SS 638.8
 RDE -.2475 RRA -.1037 RC3 -.2472 FAU .10156 RRT -.5625 RRF .6838 RTF -.8037 CRT -.9352 CRS -.9923 CST .8967
 FDE -.9964 FRA -.7519 FC3-7.0484 BSP 3176 SGB 1085.6 R23 -.1864 R13 .8305 LSA 870.1 MSA 171.1 SSA 24.9
 BDE .3720 BRA .2433 BC3 1.1476 FSP -1371 SG1 1019.7 SG2 372.5 THA 162.49 EL1 605.7 EL2 109.7 ALF 139.15

LAUNCH DATE JUN 25 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 287.551

RL 152.06 LAL .00 LOL 272.77 VL 26.872 GAL -4.29 AZL 92.54 HCA 126.91 SMA 129.67 ECC .18777 INC 2.5374 V1 29.299
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.803 GAP -5.17 AZP 88.48 TAL 199.21 TAP 326.12 RCA 105.32 APO 154.02 V2 35.016
 RC 68.382 GL -19.86 GP -10.82 ZAL 126.87 ZAP 40.84 ETS 11.96 ZAE 153.43 ETE 352.10 ZAC 88.22 ETC 14.04 CLP -39.62

PLANETOCENTRIC CONIC

C3 12.196 VHL 3.492 DLA -5.00 RAL 139.05 RAD 6567.5 VEL 11.558 PTH 2.02 VHP 4.192 DPA -6.86 RAP 176.92 ECC 1.2007
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 5 27 1947.28 -12.31 25.22 352.30 115.70 3 37 54 1347.3 -8.76 18.35
 90.00 13 48 56 4902.35 20.61 213.22 353.96 70.14 15 10 38 4302.4 17.71 205.74
 100.00 4 24 26 1692.47 -13.18 6.04 351.86 117.07 4 52 39 1092.5 -9.45 359.24
 100.00 15 12 38 4632.39 21.51 193.01 353.59 68.73 16 29 50 4032.4 18.43 185.57
 110.00 5 27 17 1495.71 -15.49 349.79 350.54 120.86 5 52 13 895.7 -11.29 343.21
 110.00 16 26 16 4401.92 23.94 174.38 352.47 64.84 17 39 38 3801.9 20.35 167.08

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2551 TRA -.2187 TC3 1.0601 BAU .1812 SGT 923.7 SGR 499.8 SG3 519.0 ST 432.9 SR 407.0 SS 650.5
 RDE -.2458 RRA -.1103 RC3 -.3332 FAU .11232 RRT -.5972 RRF .7516 RTF -.7809 CRT -.9256 CRS -.9912 CST .8794
 FDE -1.0579 FRA -.8710 FC3-7.9733 BSP 3033 SGB 1050.2 R23 -.2362 R13 .8250 LSA 862.8 MSA 176.4 SSA 24.5
 BDE .3543 BRA .2450 BC3 1.1112 FSP -1545 SG1 979.9 SG2 377.9 THA 158.79 EL1 583.1 EL2 114.4 ALF 136.91

LAUNCH DATE JUN 25 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 294.115

RL 152.06 LAL .00 LOL 272.77 VL 26.917 GAL -4.32 AZL 92.45 HCA 130.12 SMA 129.98 ECC .18538 INC 2.4499 V1 29.299
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.848 GAP -4.60 AZP 88.42 TAL 199.64 TAP 329.76 RCA 105.88 APO 154.07 V2 35.029
 RC 70.443 GL -19.40 GP -11.99 ZAL 127.64 ZAP 45.13 ETS 11.45 ZAE 155.34 ETE 347.84 ZAC 89.49 ETC 13.91 CLP -43.85

PLANETOCENTRIC CONIC

C3 11.932 VHL 3.454 DLA -4.35 RAL 138.57 RAD 6567.5 VEL 11.546 PTH 2.02 VHP 3.967 DPA -7.51 RAP 175.51 ECC 1.1964
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 58 39 1962.95 -12.78 26.14 351.58 115.49 3 31 22 1362.9 -9.24 19.25
 90.00 13 51 53 4877.48 20.02 211.63 353.00 69.55 15 13 10 4277.5 17.06 204.21
 100.00 4 17 57 1707.14 -13.64 6.90 351.14 116.86 4 46 24 1107.1 -9.93 .07
 100.00 15 15 16 4608.52 20.92 191.48 352.63 68.14 16 32 4 4008.5 17.77 184.11
 110.00 5 21 30 1508.15 -15.92 350.50 349.84 120.65 5 46 38 908.2 -11.74 343.89
 110.00 16 28 12 4380.27 23.30 173.02 351.50 64.25 17 41 12 3780.3 19.65 165.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .2314 TRA -.2215 TC3 .9734 BAU .1701 SGT 857.5 SGR 542.5 SG3 578.1 ST 399.8 SR 410.2 SS 661.1
 RDE -.2447 RRA -.1186 RC3 -.4359 FAU .12393 RRT -.6139 RRF .8127 RTF -.7459 CRT -.9107 CRS -.9904 CST .8564
 FDE -1.1180 FRA -.9952 FC3-8.9914 BSP 2899 SGB 1014.7 R23 -.2897 R13 .8212 LSA 855.3 MSA 181.8 SSA 24.0
 BDE .3367 BRA .2512 BC3 1.0666 FSP -1741 SG1 935.7 SG2 392.4 THA 153.84 EL1 559.9 EL2 121.0 ALF 134.19

LAUNCH DATE JUN 25 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 300.656

RL 152.06 LAL .00 LOL 272.77 VL 26.955 GAL -4.33 AZL 92.35 HCA 133.32 SMA 130.24 ECC .18335 INC 2.3537 V1 29.299
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.887 GAP -4.05 AZP 88.38 TAL 199.99 TAP 333.31 RCA 106.36 APO 154.11 V2 35.042
 RC 72.534 GL -18.84 GP -13.31 ZAL 128.30 ZAP 49.70 ETS 10.90 ZAE 157.37 ETE 342.26 ZAC 91.04 ETC 13.70 CLP -48.35

PLANETOCENTRIC CONIC

C3 11.679 VHL 3.417 DLA -3.66 RAL 138.24 RAD 6567.4 VEL 11.535 PTH 2.01 VHP 3.769 DPA -8.20 RAP 173.80 ECC 1.1922
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 52 7 1980.12 -13.28 27.15 351.02 115.24 3 25 7 1380.1 -9.77 20.23
 90.00 13 55 46 4851.29 19.39 209.97 352.20 68.95 15 16 37 4251.3 16.36 202.61
 100.00 4 11 45 1723.24 -14.13 7.84 350.60 116.62 4 40 28 1123.2 -10.44 .99
 100.00 15 18 49 4583.40 20.27 189.90 351.83 67.55 16 35 12 3983.4 17.05 182.58
 110.00 5 16 4 1521.88 -16.40 351.28 349.32 120.42 5 41 26 921.9 -12.24 344.64
 110.00 16 30 59 4357.52 22.62 171.60 350.68 63.66 17 43 37 3757.5 18.90 164.45

DIFFERENTIAL CORRECTIONS

TDE .2039 TRA -.2316 TC3 .8464 BAU .1581
 RDE -.2435 RRA -.1280 RC3 -.5557 FAU .13570
 FDE-1.1648 FRA-1.1114 FC-10.0598 BSP 2725
 BDE .3176 BRA .2646 BC3 1.0125 FSP -1938

MID-COURSE EXECUTION ACCURACY

SGT 776.4 SGR 597.6 SG3 638.3
 RRT -.5940 RRF .8630 RTF -.6832
 SGB 979.8 R23 -.3406 R13 .8208
 SG1 884.1 SG2 422.2 THA 147.01

ORBIT DETERMINATION ACCURACY

ST 361.6 SR 413.5 SS 665.0
 CRT -.8843 CRS -.9898 CST .8203
 LSA 841.5 MSA 187.5 SSA 23.5
 EL1 533.4 EL2 130.9 ALF 130.68

LAUNCH DATE JUN 25 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 307.174

RL 152.06 LAL .00 LOL 272.77 VL 26.985 GAL -4.33 AZL 92.25 HCA 136.53 SMA 130.45 ECC .18163 INC 2.2466 V1 29.299
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.921 GAP -3.51 AZP 88.37 TAL 200.24 TAP 336.77 RCA 106.76 APO 154.14 V2 35.056
 RC 74.652 GL -18.18 GP -14.80 ZAL 128.87 ZAP 54.53 ETS 10.26 ZAE 159.39 ETE 334.82 ZAC 92.88 ETC 13.37 CLP -53.12

PLANETOCENTRIC CONIC

C3 11.428 VHL 3.381 DLA -2.90 RAL 138.06 RAD 6567.4 VEL 11.525 PTH 2.01 VHP 3.599 DPA -8.92 RAP 171.78 ECC 1.1881
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 45 45 1999.14 -13.83 28.28 350.64 114.96 3 19 5 1399.1 -10.35 21.33
 90.00 14 0 42 4823.23 18.69 208.21 351.56 68.34 15 21 5 4223.2 15.59 200.91
 100.00 4 5 45 1741.11 -14.67 8.89 350.22 116.34 4 34 46 1141.1 -11.02 2.01
 100.00 15 23 24 4556.49 19.56 188.21 351.18 66.94 16 39 21 3956.5 16.27 180.96
 110.00 5 10 53 1537.20 -16.92 352.15 348.96 120.15 5 36 30 937.2 -12.79 345.48
 110.00 16 34 45 4333.17 21.88 170.10 350.03 63.06 17 46 58 3733.2 18.09 163.02

DIFFERENTIAL CORRECTIONS

TDE .1740 TRA -.2476 TC3 .6796 BAU .1485
 RDE -.2419 RRA -.1383 RC3 -.6952 FAU .14728
 FDE-1.1921 FRA-1.2148 FC-11.1573 BSP 2573
 BDE .2980 BRA .2836 BC3 .9722 FSP -2134

MID-COURSE EXECUTION ACCURACY

SGT 688.9 SGR 666.4 SG3 697.8
 RRT -.5189 RRF .9025 RTF -.5743
 SGB 958.5 R23 -.3575 R13 .8379
 SG1 835.5 SG2 469.7 THA 136.83

ORBIT DETERMINATION ACCURACY

ST 321.0 SR 416.2 SS 660.8
 CRT -.8399 CRS -.9894 CST .7638
 LSA 821.6 MSA 193.3 SSA 23.0
 EL1 505.7 EL2 143.4 ALF 126.32

LAUNCH DATE JUN 25 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 313.670

RL 152.06 LAL .00 LOL 272.77 VL 27.010 GAL -4.32 AZL 92.13 HCA 139.74 SMA 130.62 ECC .18020 INC 2.1259 V1 29.299
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.950 GAP -3.00 AZP 88.38 TAL 200.41 TAP 340.15 RCA 107.08 APO 154.16 V2 35.069
 RC 76.795 GL -17.39 GP -16.46 ZAL 129.34 ZAP 59.60 ETS 9.50 ZAE 161.16 ETE 324.93 ZAC 94.98 ETC 12.90 CLP -58.16

PLANETOCENTRIC CONIC

C3 11.176 VHL 3.343 DLA -2.06 RAL 138.04 RAD 6567.4 VEL 11.514 PTH 2.01 VHP 3.459 DPA -9.72 RAP 169.47 ECC 1.1839
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 39 26 2020.60 -14.44 29.56 350.42 114.63 3 13 7 1420.6 -11.00 22.57
 90.00 14 6 53 4792.55 17.91 206.30 351.07 67.70 15 26 45 4192.5 14.73 199.06
 100.00 3 59 49 1761.31 -15.28 10.08 350.01 116.01 4 29 11 1161.3 -11.66 3.16
 100.00 15 29 11 4527.07 18.77 186.39 350.69 66.30 16 44 38 3927.1 15.41 179.21
 110.00 5 5 52 1554.57 -17.52 353.15 348.77 119.83 5 31 46 954.6 -13.42 346.44
 110.00 16 39 38 4306.57 21.05 168.49 349.52 62.42 17 51 24 3706.6 17.19 161.48

DIFFERENTIAL CORRECTIONS

TDE .1441 TRA -.2679 TC3 .4748 BAU .1466
 RDE -.2400 RRA -.1498 RC3 -.8589 FAU .15844
 FDE-1.2002 FRA-1.3029 FC-12.2727 BSP 2534
 BDE .2799 BRA .3070 BC3 .9814 FSP -2334

MID-COURSE EXECUTION ACCURACY

SGT 610.7 SGR 751.6 SG3 756.0
 RRT -.3614 RRF .9325 RTF -.3905
 SGB 968.4 R23 -.2726 R13 .8936
 SG1 812.8 SG2 526.6 THA 119.97

ORBIT DETERMINATION ACCURACY

ST 283.1 SR 418.8 SS 650.7
 CRT -.7689 CRS -.9890 CST .6784
 LSA 799.2 MSA 199.1 SSA 22.6
 EL1 480.2 EL2 157.8 ALF 121.20

LAUNCH DATE JUN 25 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 320.143

RL 152.06 LAL .00 LOL 272.77 VL 27.029 GAL -4.30 AZL 91.99 HCA 142.95 SMA 130.75 ECC .17902 INC 1.9881 V1 29.299
 RP 108.02 LAP -1.20 LOP 55.74 VP 37.976 GAP -2.49 AZP 88.41 TAL 200.49 TAP 343.44 RCA 107.34 APO 154.15 V2 35.082
 RC 78.958 GL -16.44 GP -18.31 ZAL 129.73 ZAP 64.87 ETS 8.57 ZAE 162.34 ETE 312.29 ZAC 97.31 ETC 12.26 CLP -63.43

PLANETOCENTRIC CONIC

C3 10.919 VHL 3.304 DLA -1.11 RAL 138.19 RAD 6567.4 VEL 11.502 PTH 2.00 VHP 3.350 DPA -10.61 RAP 166.88 ECC 1.1797
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 59 2045.32 -15.13 31.04 350.39 114.22 3 7 4 1445.3 -11.74 24.01
 90.00 14 14 32 4758.24 17.01 204.18 350.73 67.02 15 33 51 4158.2 13.76 197.02
 100.00 3 53 48 1784.60 -15.97 11.47 349.98 115.61 4 23 33 1184.6 -12.39 4.50
 100.00 15 36 24 4494.19 17.86 184.37 350.34 65.62 16 51 18 3894.2 14.42 177.27
 110.00 5 0 52 1574.69 -18.19 354.32 348.77 119.45 5 27 6 974.7 -14.13 347.56
 110.00 16 45 50 4276.87 20.10 166.70 349.17 61.75 17 57 7 3676.9 16.17 159.78

DIFFERENTIAL CORRECTIONS

TDE .1131 TRA -.2943 TC3 .2202 BAU .1559
 RDE -.2358 RRA -.1607 RC3-1.0452 FAU .16781
 FDE-1.1676 FRA-1.3539 FC-13.3054 BSP 2624
 BDE .2615 BRA .3354 BC3 1.0682 FSP -2500

MID-COURSE EXECUTION ACCURACY

SGT 565.8 SGR 849.7 SG3 805.6
 RRT -.0798 RRF .9538 RTF -.0905
 SGB 1020.9 R23 -.0450 R13 .9528
 SG1 851.9 SG2 562.6 THA 95.40

ORBIT DETERMINATION ACCURACY

ST 248.8 SR 417.9 SS 625.1
 CRT -.6487 CRS -.9886 CST .5400
 LSA 764.6 MSA 205.3 SSA 22.3
 EL1 454.1 EL2 174.3 ALF 115.05

LAUNCH DATE JUN 25 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 326.592

RL 152.06 LAL .00 LOL 272.77 VL 27.042 GAL -4.28 AZL 91.83 HCA 146.17 SMA 130.84 ECC .17807 INC 1.8279 V1 29.299
 RP 107.98 LAP -1.02 LOP 58.96 VP 37.997 GAP -2.01 AZP 88.48 TAL 200.47 TAP 346.64 RCA 107.54 APO 154.14 V2 35.094
 RC 81.139 GL -15.28 GP -20.37 ZAL 130.03 ZAP 70.27 ETS 7.43 ZAE 162.50 ETE 297.55 ZAC 99.81 ETC 11.42 CLP -68.89

PLANETOCENTRIC CONIC

C3 10.652 VHL 3.264 DLA -.00 RAL 138.52 RAD 6567.4 VEL 11.491 PTH 2.00 VHP 3.273 DPA -11.64 RAP 164.05 ECC 1.1753
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 26 5 2074.59 -15.94 32.81 350.55 113.71 3 0 40 1474.6 -12.60 25.72
 90.00 14 24 4 4718.87 15.95 201.78 350.55 66.29 15 42 43 4118.9 12.61 194.69
 100.00 3 47 26 1812.22 -16.77 13.12 350.16 115.11 4 17 38 1212.2 -13.25 6.10
 100.00 15 45 24 4456.48 16.78 182.09 350.16 64.89 16 59 41 3856.5 13.26 175.07
 110.00 4 55 40 1598.61 -18.99 355.72 348.97 118.97 5 22 19 998.6 -14.98 348.90
 110.00 16 53 39 4242.85 19.00 164.69 348.97 61.03 18 4 22 3642.8 14.99 157.86

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0839 TRA -.3241 TC3 -.0810 BAU .1794 SGT 590.0 SGR 961.4 SG3 843.9 ST 225.4 SR 411.9 SS 583.5
 RDE -.2286 RRA -.1706 RC3-1.2574 FAU .17482 RRT .2727 RRF .9687 RTF .2723 CRT -.4707 CRS -.9877 CST .3417
 FDE -1.0904 FRA-1.3623 FC-14.2087 BSP 2922 SGB 1128.0 R23 .1283 R13 .9602 LSA 718.0 MSA 211.8 SSA 22.1
 BDE .2435 BRA .3662 BC3 1.2600 FSP -2628 SG1 981.4 SG2 556.1 THA 75.88 EL1 429.0 EL2 191.0 ALF 108.16

LAUNCH DATE JUN 25 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 333.019

RL 152.06 LAL .00 LOL 272.77 VL 27.050 GAL -4.24 AZL 91.64 HCA 149.39 SMA 130.90 ECC .17733 INC 1.6383 V1 29.299
 RP 107.94 LAP -.83 LOP 62.17 VP 38.014 GAP -1.54 AZP 88.59 TAL 200.38 TAP 349.77 RCA 107.69 APO 154.11 V2 35.107
 RC 83.336 GL -13.86 GP -22.69 ZAL 130.25 ZAP 75.71 ETS 6.03 ZAE 161.36 ETE 282.71 ZAC 102.43 ETC 10.33 CLP -74.49

PLANETOCENTRIC CONIC

C3 10.374 VHL 3.221 DLA 1.32 RAL 139.05 RAD 6567.4 VEL 11.479 PTH 2.00 VHP 3.233 DPA -12.87 RAP 161.03 ECC 1.1707
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 23 2110.35 -16.91 34.99 350.94 113.06 2 53 33 1510.4 -13.64 27.83
 90.00 14 36 1 4672.40 14.66 198.98 350.55 65.50 15 53 53 4072.4 11.23 191.98
 100.00 3 40 20 1845.99 -17.74 15.17 350.56 114.46 4 11 6 1246.0 -14.29 8.07
 100.00 15 56 44 4411.99 15.48 179.43 350.15 64.10 17 10 16 3812.0 11.87 172.50
 110.00 4 49 59 1627.97 -19.95 357.46 349.40 118.35 5 17 7 1028.0 -16.00 350.55
 110.00 17 3 34 4202.78 17.66 162.35 348.95 60.24 18 13 37 3602.8 13.57 155.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0599 TRA -.3545 TC3 -.4260 BAU .2163 SGT 696.1 SGR 1088.7 SG3 869.2 ST 217.3 SR 399.4 SS 527.2
 RDE -.2174 RRA -.1789 RC3-1.5005 FAU .17904 RRT .5607 RRF .9791 RTF .5639 CRT -.2637 CRS -.9860 CST .1152
 FDE -.9699 FRA-1.3286 FC-14.9420 BSP 3452 SGB 1292.2 R23 .1869 R13 .9613 LSA 660.4 MSA 219.2 SSA 22.2
 BDE .2255 BRA .3971 BC3 1.5598 FSP -2726 SG1 1177.1 SG2 533.1 THA 64.75 EL1 405.0 EL2 206.8 ALF 101.09

LAUNCH DATE JUN 25 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 339.423

RL 152.06 LAL .00 LOL 272.77 VL 27.054 GAL -4.19 AZL 91.41 HCA 152.61 SMA 130.92 ECC .17678 INC 1.4087 V1 29.299
 RP 107.91 LAP -.65 LOP 65.39 VP 38.028 GAP -1.08 AZP 88.75 TAL 200.20 TAP 352.80 RCA 107.78 APO 154.07 V2 35.119
 RC 85.546 GL -12.06 GP -25.30 ZAL 130.39 ZAP 81.10 ETS 4.32 ZAE 158.91 ETE 269.90 ZAC 105.06 ETC 8.95 CLP -80.15

PLANETOCENTRIC CONIC

C3 10.084 VHL 3.175 DLA 2.96 RAL 139.82 RAD 6567.4 VEL 11.466 PTH 1.99 VHP 3.231 DPA -14.38 RAP 157.85 ECC 1.1659
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 9 14 2155.60 -18.09 37.78 351.63 112.16 2 45 9 1555.6 -14.93 30.53
 90.00 14 51 15 4615.77 13.03 195.61 350.77 64.64 16 8 11 4015.8 9.51 188.71
 100.00 3 31 57 1888.77 -18.92 17.79 351.26 113.58 4 3 26 1288.8 -15.58 10.60
 100.00 16 11 13 4357.83 13.84 176.24 350.37 63.24 17 23 51 3757.8 10.14 169.40
 110.00 4 43 22 1665.24 -21.14 359.69 350.14 117.51 5 11 8 1065.2 -17.28 352.69
 110.00 17 16 17 4154.12 15.99 159.56 349.15 59.38 18 25 32 3554.1 11.81 152.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0436 TRA -.3842 TC3 -.8191 BAU .2630 SGT 871.1 SGR 1225.2 SG3 873.2 ST 223.2 SR 372.3 SS 443.8
 RDE -.1980 RRA -.1828 RC3-1.7705 FAU .17893 RRT .7366 RRF .9861 RTF .7394 CRT -.0835 CRS -.9813 CST -.0915
 FDE -.7832 FRA-1.2315 FC-15.3622 BSP 4141 SGB 1503.2 R23 .2012 R13 .9656 LSA 576.7 MSA 228.7 SSA 22.9
 BDE .2028 BRA .4255 BC3 1.9508 FSP -2744 SG1 1413.9 SG2 510.5 THA 57.64 EL1 373.0 EL2 222.0 ALF 94.44

LAUNCH DATE JUN 25 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 345.805

RL 152.06 LAL .00 LOL 272.77 VL 27.053 GAL -4.12 AZL 91.12 HCA 155.83 SMA 130.92 ECC .17639 INC 1.1228 V1 29.299
 RP 107.87 LAP -.46 LOP 68.60 VP 38.039 GAP -.63 AZP 88.98 TAL 199.94 TAP 355.76 RCA 107.83 APO 154.01 V2 35.131
 RC 87.767 GL -9.73 GP -28.30 ZAL 130.43 ZAP 86.31 ETS 2.22 ZAE 155.32 ETE 260.06 ZAC 107.63 ETC 7.23 CLP -85.81

PLANETOCENTRIC CONIC

C3 9.785 VHL 3.128 DLA 5.07 RAL 140.87 RAD 6567.4 VEL 11.453 PTH 1.99 VHP 3.273 DPA -16.28 RAP 154.55 ECC 1.1610
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 57 39 2215.28 -19.59 41.53 352.72 110.87 2 34 34 1615.3 -16.57 34.15
 90.00 15 11 14 4544.14 10.91 191.43 351.29 63.71 16 26 58 3944.1 7.29 184.62
 100.00 3 21 23 1945.22 -20.42 21.31 352.37 112.31 3 53 48 1345.2 -17.22 13.98
 100.00 16 30 11 4289.44 11.71 172.28 350.88 62.30 17 41 40 3689.4 7.91 165.55
 110.00 4 35 6 1714.51 -22.65 2.71 351.29 116.31 5 3 40 1114.5 -18.94 355.55
 110.00 17 32 57 4092.90 13.84 156.12 349.63 58.43 18 41 10 3492.9 9.56 149.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0411 TRA -.4087 TC3-1.2528 BAU .3174 SGT 1088.5 SGR 1377.3 SG3 857.2 ST 238.9 SR 327.8 SS 339.6
 RDE -.1690 RRA -.1819 RC3-2.0775 FAU .17466 RRT .8316 RRF .9910 RTF .8335 CRT .0028 CRS -.9677 CST -.2316
 FDE -.5459 FRA-1.0849 FC-15.4524 BSP 4985 SGB 1755.5 R23 .1977 R13 .9712 LSA 469.4 MSA 242.7 SSA 24.6
 BDE .1740 BRA .4473 BC3 2.4260 FSP -2709 SG1 1684.5 SG2 494.3 THA 52.97 EL1 327.8 EL2 238.9 ALF 89.75

LAUNCH DATE JUN 25 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 352.164

RL 152.06 LAL .00 LOL 272.77 VL 27.048 GAL -4.05 AZL 90.76 HCA 159.05 SMA 130.89 ECC .17616 INC .7549 V1 29.299
 RP 107.83 LAP -.27 LOP 71.82 VP 38.046 GAP -.20 AZP 89.29 TAL 199.60 TAP 358.65 RCA 107.83 APO 153.94 V2 35.143
 RC 89.996 GL -6.63 GP -31.84 ZAL 130.35 ZAP 91.19 ETS 359.66 ZAE 150.79 ETE 253.04 ZAC 110.03 ETC 5.08 CLP -91.40

PLANETOCENTRIC CONIC

C3 9.491 VHL 3.081 DLA 7.86 RAL 142.30 RAD 6567.3 VEL 11.440 PTH 1.98 VHP 3.370 DPA -18.73 RAP 151.13 ECC 1.1562
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 41 53 2297.99 -21.50 46.83 354.42 108.88 2 20 11 1698.0 -18.73 39.26
 90.00 15 38 25 4449.43 8.00 185.99 352.28 62.75 16 52 35 3849.4 4.28 179.28
 100.00 3 7 1 2023.41 -22.36 26.31 354.09 110.37 3 40 44 1423.4 -19.39 18.78
 100.00 16 55 59 4199.24 8.81 167.16 351.84 61.32 18 5 58 3599.2 4.91 160.54
 110.00 4 23 54 1782.76 -24.65 7.01 353.07 114.47 4 53 37 1182.8 -21.14 359.62
 110.00 17 55 34 4012.65 10.93 151.72 350.56 57.41 19 2 27 3412.7 6.56 145.36

DIFFERENTIAL CORRECTIONS

TDE .0597 TRA -.4242 TC3-1.7246 BAU .3765
 RDE -.1221 RRA -.1713 RC3-2.4146 FAU .16496
 FDE -.2389 FRA -.8744 FC-15.0460 BSP 5906
 BDE .1359 BRA .4574 BC3 2.9672 FSP -2575

MID-COURSE EXECUTION ACCURACY

SGT 1332.5 SGR 1539.0 SG3 814.4
 RRT .8835 RRF .9942 RTF .8845
 SGB 2035.7 R23 .1905 R13 .9759
 SG1 1976.8 SG2 485.9 THA 49.65

ORBIT DETERMINATION ACCURACY

ST 265.4 SR 250.7 SS 209.4
 CRT -.0111 CRS -.8919 CST -.4044
 LSA 326.7 MSA 263.6 SSA 29.4
 EL1 265.5 EL2 250.5 ALF 174.50

LAUNCH DATE JUN 25 1967

FLIGHT TIME 128.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 358.501

RL 152.06 LAL .00 LOL 272.77 VL 27.040 GAL -3.97 AZL 90.26 HCA 162.27 SMA 130.83 ECC .17607 INC .2592 V1 29.299
 RP 107.80 LAP -.08 LOP 75.05 VP 38.051 GAP .22 AZP 89.75 TAL 199.18 TAP 1.46 RCA 107.79 APO 153.86 V2 35.154
 RC 92.232 GL -2.31 GP -36.13 ZAL 130.03 ZAP 95.54 ETS 356.51 ZAE 145.38 ETE 248.30 ZAC 112.13 ETC 2.39 CLP -96.87

PLANETOCENTRIC CONIC

C3 9.240 VHL 3.040 DLA 11.76 RAL 144.28 RAD 6567.3 VEL 11.429 PTH 1.98 VHP 3.541 DPA -21.96 RAP 147.52 ECC 1.1521
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 18 21 2420.35 -23.97 54.95 357.16 105.54 1 58 42 1820.4 -21.61 47.08
 90.00 16 17 46 4316.59 3.79 178.49 354.09 61.92 17 29 43 3716.6 .01 171.86
 100.00 2 45 40 2138.76 -24.89 33.95 356.86 107.11 3 21 19 1538.8 -22.31 26.10
 100.00 17 33 9 4073.41 4.63 160.15 353.63 60.44 18 41 2 3473.4 .66 153.61
 110.00 4 7 24 1882.98 -27.31 13.58 355.92 111.40 4 38 47 1283.0 -24.16 5.83
 110.00 18 27 54 3901.96 6.82 145.79 352.28 56.42 19 32 56 3302.0 2.36 139.55

DIFFERENTIAL CORRECTIONS

TDE .1123 TRA -.4237 TC3-2.2174 BAU .4398
 RDE -.0493 RRA -.1486 RC3-2.7857 FAU .15015
 FDE .1170 FRA -.6211 FC-14.0680 BSP 6936
 BDE .1227 BRA .4490 BC3 3.5605 FSP -2373

MID-COURSE EXECUTION ACCURACY

SGT 1589.9 SGR 1720.1 SG3 746.4
 RRT .9130 RRF .9964 RTF .9139
 SGB 2342.3 R23 .1807 R13 .9800
 SG1 2291.1 SG2 487.0 THA 47.47

ORBIT DETERMINATION ACCURACY

ST 326.1 SR 136.4 SS 150.9
 CRT .0758 CRS -.3469 CST -.9008
 LSA 354.7 MSA 141.2 SSA 44.4
 EL1 326.3 EL2 135.9 ALF 2.20

LAUNCH DATE JUN 25 1967

FLIGHT TIME 130.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 364.815

RL 152.06 LAL .00 LOL 272.77 VL 27.028 GAL -3.88 AZL 89.55 HCA 165.50 SMA 130.75 ECC .17611 INC .4448 V1 29.299
 RP 107.77 LAP .11 LOP 78.27 VP 38.053 GAP .63 AZP 90.43 TAL 198.70 TAP 4.19 RCA 107.72 APO 153.77 V2 35.165
 RC 94.474 GL 3.99 GP -41.53 ZAL 129.19 ZAP 99.11 ETS 352.61 ZAE 138.97 ETE 245.27 ZAC 113.78 ETC 358.97 CLP-102.21

PLANETOCENTRIC CONIC

C3 9.138 VHL 3.023 DLA 17.46 RAL 147.17 RAD 6567.3 VEL 11.425 PTH 1.98 VHP 3.828 DPA -26.29 RAP 143.54 ECC 1.1504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 38 4 2620.76 -26.91 68.88 1.82 99.17 1 21 45 2020.8 -25.37 60.55
 90.00 17 21 5 4111.87 -2.80 167.06 357.68 61.81 18 29 37 3511.9 -6.55 160.39
 100.00 2 9 33 2325.74 -27.99 46.96 1.61 100.94 2 48 19 1725.7 -26.20 38.62
 100.00 18 32 17 3882.12 -1.84 149.64 357.14 60.16 19 36 59 3282.1 -5.80 143.09
 110.00 3 40 5 2042.52 -30.78 24.70 .85 105.67 4 14 7 1442.5 -28.32 16.36
 110.00 19 18 15 3738.11 .59 137.20 355.63 55.82 20 20 33 3138.1 -3.90 130.99

DIFFERENTIAL CORRECTIONS

TDE .2241 TRA -.3960 TC3-2.6842 BAU .5046
 RDE .0723 RRA -.1017 RC3-3.1392 FAU .12903
 FDE .5268 FRA -.3189 FC-12.2249 BSP 7976
 BDE .2355 BRA .4089 BC3 4.1303 FSP -2057

MID-COURSE EXECUTION ACCURACY

SGT 1852.9 SGR 1913.5 SG3 646.7
 RRT .9300 RRF .9979 RTF .9314
 SGB 2663.6 R23 .1714 R13 .9831
 SG1 2616.6 SG2 498.2 THA 45.99

ORBIT DETERMINATION ACCURACY

ST 488.5 SR 160.3 SS 344.1
 CRT .9618 CRS -.9653 CST -.9444
 LSA 610.5 MSA 94.4 SSA 32.6
 EL1 512.4 EL2 41.9 ALF 17.64

LAUNCH DATE JUN 25 1967

FLIGHT TIME 132.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 371.104

RL 152.06 LAL .00 LOL 272.77 VL 27.014 GAL -3.77 AZL 88.45 HCA 168.72 SMA 130.65 ECC .17627 INC 1.5470 V1 29.299
 RP 107.73 LAP .30 LOP 81.50 VP 38.052 GAP 1.03 AZP 91.52 TAL 198.14 TAP 6.86 RCA 107.62 APO 153.68 V2 35.175
 RC 96.719 GL 13.65 GP -48.60 ZAL 127.05 ZAP 101.49 ETS 347.71 ZAE 131.18 ETE 243.45 ZAC 114.73 ETC 354.53 CLP-107.52

PLANETOCENTRIC CONIC

C3 9.530 VHL 3.087 DLA 26.18 RAL 151.77 RAD 6567.3 VEL 11.442 PTH 1.98 VHP 4.332 DPA -32.17 RAP 138.74 ECC 1.1568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 22 52 19 3058.06 -27.61 100.64 9.88 83.43 23 43 17 2458.1 -28.23 92.03
 90.00 19 39 37 3690.93 -15.62 142.79 6.37 66.08 20 41 8 3090.9 -18.72 135.49
 100.00 0 45 44 2705.07 -29.70 74.87 10.09 86.46 1 30 49 2105.1 -29.88 66.07
 100.00 20 32 49 3519.15 -13.72 129.24 5.44 63.18 21 31 28 2919.1 -17.21 122.19
 110.00 2 43 30 2336.62 -34.07 46.92 10.12 92.96 3 22 26 1736.6 -33.28 37.77
 110.00 20 51 33 3460.37 -9.93 122.57 3.22 57.12 21 49 13 2860.4 -14.19 116.06

DIFFERENTIAL CORRECTIONS

TDE .4474 TRA -.3202 TC3-2.9830 BAU .5698
 RDE .2800 RRA -.0143 RC3-3.3325 FAU .10183
 FDE .9392 FRA -.0023 FC3-9.2508 BSP 9081
 BDE .5278 BRA .3205 BC3 4.4726 FSP -1650

MID-COURSE EXECUTION ACCURACY

SGT 2126.0 SGR 2122.3 SG3 515.9
 RRT .9398 RRF .9987 RTF .9428
 SGB 3004.0 R23 .1614 R13 .9857
 SG1 2958.5 SG2 521.2 THA 44.95

ORBIT DETERMINATION ACCURACY

ST 855.6 SR 523.4 SS 655.6
 CRT .9752 CRS -.9997 CST -.9724
 LSA 1190.3 MSA 137.9 SSA 9.3
 EL1 998.1 EL2 99.3 ALF 31.16

LAUNCH DATE JUN 25 1967

FLIGHT TIME 134.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 377.366

RL 152.06 LAL .00 LOL 272.77 VL 26.997 GAL -3.65 AZL 86.48 MCA 171.94 SMA 130.53 ECC .17654 INC 3.5161 V1 29.299
 RP 107.70 LAP .49 LOP 84.72 VP 38.049 GAP 1.41 AZP 93.48 TAL 197.51 TAP 9.45 RCA 107.48 APO 153.57 V2 35.185
 RC 98.967 GL 28.77 GP -58.19 ZAL 121.70 ZAP 102.03 ETS 341.44 ZAE 121.28 ETE 242.05 ZAC 114.59 ETC 348.51 CLP-113.28

PLANETOCENTRIC CONIC

C3 11.784 VHL 3.433 OLA 39.56 RAL 160.37 RAD 6567.4 VEL 11.540 PTH 2.01 VHP 5.331 DPA -40.22 RAP 132.02 ECC 1.1939
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.13 18 33 43 4032.30 -30.66 176.04 24.53 63.67 19 40 55 3432.3 -33.93 167.82
 118.87 1 10 47 2802.86 -30.65 82.62 24.53 63.65 1 57 30 2202.9 -33.92 74.40
 61.13 18 33 43 4032.30 -30.66 176.04 24.53 63.67 19 40 55 3432.3 -33.93 167.82
 118.87 1 10 47 2802.86 -30.65 82.62 24.53 63.65 1 57 30 2202.9 -33.92 74.40
 61.13 18 33 43 4032.30 -30.66 176.04 24.53 63.67 19 40 55 3432.3 -33.93 167.82
 118.87 1 10 47 2802.86 -30.65 82.62 24.53 63.65 1 57 30 2202.9 -33.92 74.40

DIFFERENTIAL CORRECTIONS

TDE .9202 TRA -.1409 TC3-2.7257 BAU .6279
 RDE .6537 RRA .1635 RC3-2.9080 FAU .06869
 FDE 1.2615 FRA .2953 FC3-5.0466 BSP 10234
 BDE 1.1288 BRA .2158 BC3 3.9857 FSP -1149

MID-COURSE EXECUTION ACCURACY

SGT 2440.1 SGR 2302.5 SG3 354.6
 RRT .9440 RRF .9990 RTF .9508
 SGB 3354.9 R23 .1539 R13 .9873
 SG1 3307.8 SG2 560.3 THA 43.24

ORBIT DETERMINATION ACCURACY

ST 1539.7 SR 1097.9 SS 975.0
 CRT .9876 CRS-1.0000 CST -.9887
 LSA 2121.2 MSA 164.0 SSA 3.5
 EL1 1885.8 EL2 140.5 ALF 35.38

LAUNCH DATE JUN 25 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 383.585

RL 152.06 LAL .00 LOL 272.77 VL 26.977 GAL -3.52 AZL 81.94 MCA 175.13 SMA 130.39 ECC .17689 INC 8.0593 V1 29.299
 RP 107.67 LAP .68 LOP 87.95 VP 38.043 GAP 1.79 AZP 98.03 TAL 196.80 TAP 11.94 RCA 107.32 APO 153.45 V2 35.195
 RC 101.218 GL 50.05 GP -71.65 ZAL 110.70 ZAP 99.84 ETS 331.83 ZAE 107.82 ETE 238.26 ZAC 112.78 ETC 338.55 CLP-122.88

PLANETOCENTRIC CONIC

C3 24.248 VHL 4.924 OLA 56.46 RAL 180.50 RAD 6568.0 VEL 12.068 PTH 2.16 VHP 7.889 DPA -50.94 RAP 119.71 ECC 1.3991
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 38.87 18 35 6 4395.35 -33.85 213.77 64.12 41.70 19 48 21 3795.3 -39.63 207.28
 141.13 3 49 59 2770.61 -33.84 82.43 64.11 41.69 4 36 10 2170.6 -39.62 75.94
 38.87 18 35 6 4395.35 -33.85 213.77 64.12 41.70 19 48 21 3795.3 -39.63 207.28
 141.13 3 49 59 2770.61 -33.84 82.43 64.11 41.69 4 36 10 2170.6 -39.62 75.94
 38.87 18 35 6 4395.35 -33.85 213.77 64.12 41.70 19 48 21 3795.3 -39.63 207.28
 141.13 3 49 59 2770.61 -33.84 82.43 64.11 41.69 4 36 10 2170.6 -39.62 75.94

DIFFERENTIAL CORRECTIONS

TDE 2.0645 TRA .3900 TC3-1.4274 BAU .6340
 RDE 1.1763 RRA .5775 RC3-1.3370 FAU .03313
 FDE 1.2358 FRA .5182 FC3-1.1830 BSP 11246
 BDE 2.3761 BRA .6968 BC3 1.9558 FSP -612

MID-COURSE EXECUTION ACCURACY

SGT 2901.9 SGR 2255.2 SG3 185.6
 RRT .9378 RRF .9967 RTF .9605
 SGB 3675.2 R23 .1479 R13 .9884
 SG1 3621.3 SG2 627.3 THA 37.40

ORBIT DETERMINATION ACCURACY

ST 2415.1 SR 1417.0 SS 1005.5
 CRT .9874 CRS -.9993 CST -.9926
 LSA 2967.9 MSA 208.2 SSA 1.6
 EL1 2793.4 EL2 193.5 ALF 30.25

LAUNCH DATE JUN 25 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 389.632

RL 152.06 LAL .00 LOL 272.77 VL 26.955 GAL -3.35 AZL 61.32 MCA 178.19 SMA 130.24 ECC .17720 INC28.6780 V1 29.299
 RP 107.65 LAP .87 LOP 91.19 VP 38.036 GAP 2.11 AZP 118.67 TAL 195.91 TAP 14.10 RCA 107.16 APO 153.31 V2 35.204
 RC 103.470 GL 65.34 GP -80.59 ZAL 96.70 ZAP 94.37 ETS 225.86 ZAE 84.13 ETE 137.21 ZAC 109.27 ETC 229.60 CLP 117.76

PLANETOCENTRIC CONIC

C3 201.910 VHL 14.209 OLA 60.75 RAL 213.87 RAD 6571.1 VEL 17.979 PTH 3.01 VHP 20.388 DPA -60.82 RAP 79.83 ECC 4.3229
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 33.72 20 34 49 4894.81 -8.44 236.67 119.12 29.61 21 56 23 4294.8 -15.37 233.00
 146.28 6 16 31 3218.56 -8.43 98.82 119.10 29.60 7 10 10 2618.6 -15.35 95.15
 33.72 20 34 49 4894.81 -8.44 236.67 119.12 29.61 21 56 23 4294.8 -15.37 233.00
 146.28 6 16 31 3218.56 -8.43 98.82 119.10 29.60 7 10 10 2618.6 -15.35 95.15
 33.72 20 34 49 4894.81 -8.44 236.67 119.12 29.61 21 56 23 4294.8 -15.37 233.00
 146.28 6 16 31 3218.56 -8.43 98.82 119.10 29.60 7 10 10 2618.6 -15.35 95.15

DIFFERENTIAL CORRECTIONS

TDE 1.1161 TRA 2.2681 TC3 -.0034 BAU .1627
 RDE-4.5476 RRA-3.3756 RC3 -.0602 FAU-.00247
 FDE .8099 FRA .9223 FC3 .0106 BSP 10256
 BDE 4.6826 BRA 4.0668 BC3 .0603 FSP -203

MID-COURSE EXECUTION ACCURACY

SGT 1924.8 SGR 3339.1 SG3 71.6
 RRT -.9391 RRF -.9843 RTF .9848
 SGB 3854.2 R23 -.0920 R13 -.9957
 SG1 3810.4 SG2 579.4 THA 119.17

ORBIT DETERMINATION ACCURACY

ST 719.5 SR 2015.1 SS 701.9
 CRT -.8927 CRS .9834 CST -.9597
 LSA 2228.9 MSA 321.4 SSA .6
 EL1 2117.4 EL2 308.6 ALF 108.08

LAUNCH DATE JUN 25 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 396.418

RL 152.06 LAL .00 LOL 272.77 VL 26.930 GAL -3.31 AZL 122.59 MCA 181.95 SMA 130.07 ECC .17841 INC32.5837 V1 29.299
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.026 GAP 2.63 AZP 57.43 TAL 195.60 TAP 17.55 RCA 106.86 APO 153.27 V2 35.212
 RC 105.723 GL -64.70 GP 81.38 ZAL 95.88 ZAP 95.76 ETS 154.34 ZAE 81.64 ETE 241.36 ZAC 82.53 ETC 143.94 CLP 131.98

PLANETOCENTRIC CONIC

C3 256.503 VHL 16.016 OLA -52.82 RAL 133.95 RAD 6571.5 VEL 19.437 PTH 3.11 VHP 18.827 DPA 69.91 RAP 297.79 ECC 5.2214
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 43.35 3 43 59 2232.36 5.84 61.56 39.49 142.59 4 21 12 1632.4 12.16 57.02
 136.65 12 29 40 661.53 5.85 296.36 39.51 142.59 12 40 42 61.5 12.18 291.82
 43.35 3 43 59 2232.36 5.84 61.56 39.49 142.59 4 21 12 1632.4 12.16 57.02
 136.65 12 29 40 661.53 5.85 296.36 39.51 142.59 12 40 42 61.5 12.18 291.82
 43.35 3 43 59 2232.36 5.84 61.56 39.49 142.59 4 21 12 1632.4 12.16 57.02
 136.65 12 29 40 661.53 5.85 296.36 39.51 142.59 12 40 42 61.5 12.18 291.82

DIFFERENTIAL CORRECTIONS

TDE -.6946 TRA .5485 TC3 -.0102 BAU .4171
 RDE-9.3066 RRA-3.1630 RC3 .1212 FAU-.00605
 FDE-2.3059 FRA -.6151 FC3 .0204 BSP 10348
 BDE 9.3324 BRA 3.2102 BC3 .1216 FSP -213

MID-COURSE EXECUTION ACCURACY

SGT 410.2 SGR 3839.5 SG3 78.1
 RRT .1312 RRF .9950 RTF .2281
 SGB 3861.3 R23 -.0970 R13 .9951
 SG1 3839.8 SG2 406.6 THA 89.19

ORBIT DETERMINATION ACCURACY

ST 266.9 SR 3376.5 SS 1353.6
 CRT .8573 CRS -.9994 CST -.8750
 LSA 3644.7 MSA 143.1 SSA .9
 EL1 3384.2 EL2 137.1 ALF 86.12

LAUNCH DATE JUN 25 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 402.449

RL 152.06 LAL .00 LOL 272.77 VL 26.904 GAL -3.13 AZL 104.19 HCA 185.03 SMA 129.89 ECC .17894 INC14.1887 V1 29.299
 RP 107.60 LAP 1.23 LOP 97.66 VP 38.015 GAP 2.95 AZP 75.86 TAL 194.62 TAP 19.65 RCA 106.65 APO 153.13 V2 35.220
 RC 107.975 GL -61.30 GP 67.96 ZAL 101.92 ZAP 105.52 ETS 47.59 ZAE 104.21 ETE 138.11 ZAC 88.36 ETC 40.03 CLP-135.48

PLANETOCENTRIC CONIC

C3 56.358 VHL 7.507 DLA -46.97 RAL 130.49 RAD 6569.0 VEL 13.331 PTH 2.44 VHP 7.796 DPA 72.52 RAP 216.15 ECC 1.9275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 50.81 3 54 24 1877.98 19.76 41.83 20.89 133.53 4 25 42 1278.0 25.15 35.85
 129.19 11 51 40 5710.21 19.77 266.19 20.90 133.52 13 26 50 5110.2 25.16 260.21
 50.81 3 54 24 1877.98 19.76 41.83 20.89 133.53 4 25 42 1278.0 25.15 35.85
 129.19 11 51 40 5710.21 19.77 266.19 20.90 133.52 13 26 50 5110.2 25.16 260.21
 50.81 3 54 24 1877.98 19.76 41.83 20.89 133.53 4 25 42 1278.0 25.15 35.85
 129.19 11 51 40 5710.21 19.77 266.19 20.90 133.52 13 26 50 5110.2 25.16 260.21

DIFFERENTIAL CORRECTIONS

TOE-3.4948 TRA-1.9768 TC3 -.6322 BAU .5209
 RDE 2.0524 RRA .4053 RC3 .2797 FAU .02950
 FDE-2.6235 FRA -.8925 FC3 -.4532 BSP 12175
 BDE 4.0529 BRA 2.0180 BC3 .6913 FSP -634

MID-COURSE EXECUTION ACCURACY

SGT 3592.3 SGR 1683.9 SG3 202.0
 RRT -.9223 RRF -.9840 RTF .9754
 SGB 3967.4 R23 .1521 R13 -.9879
 SG1 3922.3 SG2 596.0 THA 156.03

ORBIT DETERMINATION ACCURACY

ST 2748.7 SR 1572.3 SS 1363.8
 CRT -.9877 CRS .9981 CST -.9955
 LSA 3440.4 MSA 225.6 SSA 1.4
 EL1 3159.4 EL2 214.1 ALF 150.38

LAUNCH DATE JUN 25 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 408.594

RL 152.06 LAL .00 LOL 272.77 VL 26.876 GAL -2.95 AZL 99.88 HCA 188.24 SMA 129.70 ECC .17971 INC 9.8819 V1 29.299
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.002 GAP 3.29 AZP 80.22 TAL 193.70 TAP 21.94 RCA 106.39 APO 153.01 V2 35.227
 RC 110.226 GL -55.11 GP 52.73 ZAL 105.14 ZAP 114.48 ETS 38.69 ZAE 116.55 ETE 136.30 ZAC 94.41 ETC 32.49 CLP-133.18

PLANETOCENTRIC CONIC

C3 31.534 VHL 5.615 DLA -41.19 RAL 133.80 RAD 6568.3 VEL 12.366 PTH 2.23 VHP 5.557 DPA 62.13 RAP 185.34 ECC 1.5190
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 58.74 4 38 44 1649.70 23.61 24.59 13.81 124.79 5 6 14 1049.7 28.00 17.57
 121.26 11 33 43 5647.01 23.63 263.88 13.82 124.78 13 7 50 5047.0 28.01 256.85
 58.74 4 38 44 1649.70 23.61 24.59 13.81 124.79 5 6 14 1049.7 28.00 17.57
 121.26 11 33 43 5647.01 23.63 263.88 13.82 124.78 13 7 50 5047.0 28.01 256.85
 58.74 4 38 44 1649.70 23.61 24.59 13.81 124.79 5 6 14 1049.7 28.00 17.57
 121.26 11 33 43 5647.01 23.63 263.88 13.82 124.78 13 7 50 5047.0 28.01 256.85

DIFFERENTIAL CORRECTIONS

TOE-2.4420 TRA-1.5277 TC3-1.3553 BAU .6246
 RDE 1.4033 RRA .3453 RC3 .5982 FAU .05902
 FDE-3.2083 FRA-1.0523 FC3-1.6204 BSP 12184
 BDE 2.8165 BRA 1.5662 BC3 1.4815 FSP -1103

MID-COURSE EXECUTION ACCURACY

SGT 3579.9 SGR 1649.5 SG3 346.3
 RRT -.9416 RRF -.9950 RTF .9675
 SGB 3941.7 R23 .1933 R13 -.9803
 SG1 3908.7 SG2 508.7 THA 156.12

ORBIT DETERMINATION ACCURACY

ST 2568.4 SR 1438.9 SS 1585.2
 CRT -.9893 CRS .9995 CST -.9935
 LSA 3336.7 MSA 214.6 SSA 2.0
 EL1 2938.2 EL2 183.8 ALF 150.88

LAUNCH DATE JUN 25 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 414.740

RL 152.06 LAL .00 LOL 272.77 VL 26.846 GAL -2.77 AZL 97.98 HCA 191.47 SMA 129.50 ECC .18062 INC 7.9811 V1 29.299
 RP 107.56 LAP 1.58 LOP 104.13 VP 37.987 GAP 3.64 AZP 82.18 TAL 192.76 TAP 24.22 RCA 106.11 APO 152.89 V2 35.233
 RC 112.475 GL -50.48 GP 41.66 ZAL 106.63 ZAP 121.72 ETS 34.77 ZAE 124.06 ETE 141.04 ZAC 98.84 ETC 29.51 CLP-134.74

PLANETOCENTRIC CONIC

C3 23.300 VHL 4.827 DLA -37.22 RAL 136.92 RAD 6567.9 VEL 12.028 PTH 2.15 VHP 4.792 DPA 52.65 RAP 174.43 ECC 1.3835
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 64.76 5 19 49 1492.87 24.16 11.86 10.72 119.22 5 44 42 892.9 27.86 4.38
 115.24 11 17 34 5653.58 24.17 264.80 10.73 119.21 12 51 48 5053.6 27.87 257.32
 64.76 5 19 49 1492.87 24.16 11.86 10.72 119.22 5 44 42 892.9 27.86 4.38
 115.24 11 17 34 5653.58 24.17 264.80 10.73 119.21 12 51 48 5053.6 27.87 257.32
 64.76 5 19 49 1492.87 24.16 11.86 10.72 119.22 5 44 42 892.9 27.86 4.38
 115.24 11 17 34 5653.58 24.17 264.80 10.73 119.21 12 51 48 5053.6 27.87 257.32

DIFFERENTIAL CORRECTIONS

TOE-2.0942 TRA-1.3373 TC3-2.0219 BAU .6668
 RDE .9732 RRA .2299 RC3 .7033 FAU .08075
 FDE-3.4430 FRA-1.0576 FC3-3.0004 BSP 12562
 BDE 2.3093 BRA 1.3569 BC3 2.1407 FSP -1496

MID-COURSE EXECUTION ACCURACY

SGT 3736.7 SGR 1383.0 SG3 453.7
 RRT -.9443 RRF -.9952 RTF .9660
 SGB 3984.4 R23 .2149 R13 -.9750
 SG1 3961.2 SG2 429.5 THA 160.50

ORBIT DETERMINATION ACCURACY

ST 2557.4 SR 1159.9 SS 1703.7
 CRT -.9892 CRS .9996 CST -.9927
 LSA 3277.9 MSA 208.8 SSA 2.8
 EL1 2803.8 EL2 155.3 ALF 155.76

LAUNCH DATE JUN 25 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 420.882

RL 152.06 LAL .00 LOL 272.77 VL 26.815 GAL -2.58 AZL 96.91 HCA 194.70 SMA 129.29 ECC .18162 INC 6.9077 V1 29.299
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.970 GAP 3.98 AZP 83.32 TAL 191.77 TAP 26.47 RCA 105.80 APO 152.77 V2 35.239
 RC 114.720 GL -47.07 GP 33.66 ZAL 107.05 ZAP 127.43 ETS 31.81 ZAE 128.41 ETE 146.62 ZAC 101.73 ETC 27.25 CLP-136.91

PLANETOCENTRIC CONIC

C3 19.365 VHL 4.401 DLA -34.54 RAL 139.70 RAD 6567.8 VEL 11.864 PTH 2.10 VHP 4.498 DPA 45.31 RAP 169.39 ECC 1.3187
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.34 5 56 12 1372.92 23.90 2.14 9.62 115.72 6 19 4 772.9 27.16 354.45
 110.66 11 3 24 5684.56 23.91 267.12 9.62 115.70 12 38 8 5084.6 27.17 259.43
 69.34 5 56 12 1372.92 23.90 2.14 9.62 115.72 6 19 4 772.9 27.16 354.45
 110.66 11 3 24 5684.56 23.91 267.12 9.62 115.70 12 38 8 5084.6 27.17 259.43
 69.34 5 56 12 1372.92 23.90 2.14 9.62 115.72 6 19 4 772.9 27.16 354.45
 110.66 11 3 24 5684.56 23.91 267.12 9.62 115.70 12 38 8 5084.6 27.17 259.43

DIFFERENTIAL CORRECTIONS

TOE-1.8987 TRA-1.1828 TC3-2.5351 BAU .6767
 RDE .6917 RRA .1302 RC3 .6371 FAU .08842
 FDE-3.3248 FRA -.8589 FC3-3.9531 BSP 12023
 BDE 2.0208 BRA 1.1900 BC3 2.6139 FSP -1540

MID-COURSE EXECUTION ACCURACY

SGT 3819.1 SGR 1080.6 SG3 494.0
 RRT -.9358 RRF -.9920 RTF .9619
 SGB 3969.0 R23 .2364 R13 -.9681
 SG1 3951.9 SG2 368.1 THA 165.04

ORBIT DETERMINATION ACCURACY

ST 2535.9 SR 902.9 SS 1690.1
 CRT -.9880 CRS .9997 CST -.9917
 LSA 3171.6 MSA 207.1 SSA 3.7
 EL1 2688.6 EL2 131.3 ALF 160.57

LAUNCH DATE JUN 25 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 427.004

RL 152.06 LAL .00 LOL 272.77 VL 26.783 GAL -2.38 AZL 96.21 MCA 197.94 SMA 129.07 ECC .18275 INC 6.2146 V1 29.299
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.952 GAP 4.32 AZP 84.09 TAL 190.76 TAP 28.70 RCA 105.48 APO 152.66 V2 35.244
 RC 116.961 GL -44.48 GP 27.80 ZAL 106.81 ZAP 132.02 ETS 29.38 ZAE 130.77 ETE 151.80 ZAC 103.47 ETC 25.34 CLP-139.17

PLANETOCENTRIC CONIC

C3 17.092 VHL 4.134 DLA -32.72 RAL 142.27 RAD 6567.7 VEL 11.768 PTH 2.08 VHP 4.400 DPA 39.71 RAP 166.80 ECC 1.2813
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.88 6 28 20 1276.58 23.52 354.48 9.61 113.43 6 49 37 676.6 26.48 346.69
 107.12 10 51 45 5722.54 23.53 269.88 9.62 113.42 12 27 7 5122.5 26.49 262.09
 72.88 6 28 20 1276.58 23.52 354.48 9.61 113.43 6 49 37 676.6 26.48 346.69
 107.12 10 51 45 5722.54 23.53 269.88 9.62 113.42 12 27 7 5122.5 26.49 262.09
 110.00 9 54 8 612.15 17.21 302.28 6.22 120.00 10 4 20 12.2 21.06 295.27
 110.00 12 25 7 5434.97 30.17 250.40 12.34 106.89 13 55 42 4835.0 32.18 241.76

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8155 TRA-1.0893 TC3-3.0390 BAU .7060 SGT 3983.1 SGR 878.1 SG3 517.9 ST 2574.2 SR 736.4 SS 1679.4
 RDE .5305 RRA .0817 RC3 .5576 FAU .09314 RRT -.9291 RRF -.9860 RTF .9612 CRT -.9878 CRS .9997 CST -.9913
 FDE-3.1769 FRA -.7006 FC3-4.7179 BSP 12483 SGB 4078.7 R23 .2358 R13 -.9652 LSA 3154.0 MSA 203.7 SSA 4.7
 BDE 1.8915 BRA 1.0924 BC3 3.0897 FSP -1640 SG1 4066.3 SG2 318.1 THA 168.35 EL1 2675.2 EL2 110.3 ALF 164.19

LAUNCH DATE JUN 25 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 433.110

RL 152.06 LAL .00 LOL 272.77 VL 26.750 GAL -2.17 AZL 95.73 MCA 201.18 SMA 128.84 ECC .18397 INC 5.7277 V1 29.299
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.932 GAP 4.66 AZP 84.66 TAL 189.70 TAP 30.89 RCA 105.14 APO 152.55 V2 35.248
 RC 119.197 GL -42.46 GP 23.41 ZAL 106.09 ZAP 135.82 ETS 27.37 ZAE 131.95 ETE 156.23 ZAC 104.37 ETC 23.70 CLP-141.39

PLANETOCENTRIC CONIC

C3 15.619 VHL 3.952 DLA -31.49 RAL 144.74 RAD 6567.6 VEL 11.705 PTH 2.06 VHP 4.398 DPA 35.34 RAP 165.49 ECC 1.2570
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.62 6 56 34 1198.66 23.21 348.40 10.29 111.90 7 16 33 598.7 25.98 340.56
 104.38 10 43 13 5759.30 23.22 272.53 10.29 111.89 12 19 12 5159.3 25.99 264.69
 75.62 6 56 34 1198.66 23.21 348.40 10.29 111.90 7 16 33 598.7 25.98 340.56
 104.38 10 43 13 5759.30 23.22 272.53 10.29 111.89 12 19 12 5159.3 25.99 264.69
 110.00 9 37 22 676.53 14.98 305.94 5.95 121.09 9 48 38 76.5 18.99 299.11
 110.00 13 1 36 5329.43 32.01 242.72 13.37 102.70 14 30 25 4729.4 33.42 233.78

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7726 TRA-1.0034 TC3-3.4814 BAU .7332 SGT 4133.6 SGR 719.7 SG3 520.4 ST 2621.6 SR 616.4 SS 1648.7
 RDE .4247 RRA .0504 RC3 .4587 FAU .09339 RRT -.9164 RRF -.9748 RTF .9604 CRT -.9879 CRS .9997 CST -.9910
 FDE-2.9859 FRA -.5272 FC3-5.1766 BSP 12900 SGB 4195.7 R23 .2261 R13 -.9629 LSA 3151.3 MSA 200.4 SSA 5.7
 BDE 1.8228 BRA 1.0047 BC3 3.5115 FSP -1659 SG1 4186.1 SG2 284.4 THA 170.89 EL1 2691.5 EL2 92.9 ALF 166.91

LAUNCH DATE JUN 25 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 439.200

RL 152.06 LAL .00 LOL 272.77 VL 26.715 GAL -1.95 AZL 95.37 MCA 204.43 SMA 128.61 ECC .18532 INC 5.3650 V1 29.299
 RP 107.50 LAP 2.22 LOP 117.11 VP 37.911 GAP 5.00 AZP 85.11 TAL 188.62 TAP 33.04 RCA 104.78 APO 152.45 V2 35.252
 RC 121.426 GL -40.81 GP 20.05 ZAL 105.03 ZAP 139.05 ETS 25.69 ZAE 132.42 ETE 159.87 ZAC 104.68 ETC 22.29 CLP-143.52

PLANETOCENTRIC CONIC

C3 14.592 VHL 3.820 DLA -30.68 RAL 147.19 RAD 6567.6 VEL 11.661 PTH 2.05 VHP 4.449 DPA 31.85 RAP 164.97 ECC 1.2402
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.68 7 20 55 1137.35 23.02 343.70 11.43 110.86 7 39 53 537.3 25.65 335.82
 102.32 10 38 21 5790.15 23.03 274.77 11.44 110.85 12 14 51 5190.2 25.65 266.90
 77.68 7 20 55 1137.35 23.02 343.70 11.43 110.86 7 39 53 537.3 25.65 335.82
 102.32 10 38 21 5790.15 23.03 274.77 11.44 110.85 12 14 51 5190.2 25.65 266.90
 110.00 9 33 0 707.36 13.89 307.66 6.70 121.55 9 44 47 107.4 17.96 300.91
 110.00 13 25 27 5268.13 32.83 238.13 14.51 100.10 14 53 15 4668.1 33.88 229.05

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7539 TRA -.9182 TC3-3.8746 BAU .7591 SGT 4271.7 SGR 599.2 SG3 510.7 ST 2675.6 SR 530.2 SS 1609.7
 RDE .3533 RRA .0307 RC3 .3594 FAU .09114 RRT -.8956 RRF -.9553 RTF .9593 CRT -.9886 CRS .9998 CST -.9907
 FDE-2.7881 FRA -.3553 FC3-5.4072 BSP 13281 SGB 4313.5 R23 .2086 R13 -.9610 LSA 3161.1 MSA 196.9 SSA 6.8
 BDE 1.7891 BRA .9188 BC3 3.8912 FSP -1630 SG1 4305.4 SG2 264.5 THA 172.81 EL1 2726.5 EL2 78.5 ALF 168.91

LAUNCH DATE JUN 25 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 445.273

RL 152.06 LAL .00 LOL 272.77 VL 26.680 GAL -1.71 AZL 95.08 MCA 207.67 SMA 128.38 ECC .18677 INC 5.0826 V1 29.299
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.889 GAP 5.33 AZP 85.50 TAL 187.50 TAP 35.17 RCA 104.40 APO 152.36 V2 35.255
 RC 123.648 GL -39.42 GP 17.42 ZAL 103.69 ZAP 141.88 ETS 24.30 ZAE 132.49 ETE 162.84 ZAC 104.53 ETC 21.05 CLP-145.54

PLANETOCENTRIC CONIC

C3 13.844 VHL 3.721 DLA -30.18 RAL 149.64 RAD 6567.5 VEL 11.629 PTH 2.04 VHP 4.531 DPA 28.98 RAP 164.97 ECC 1.2278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.11 7 41 18 1092.19 22.93 340.29 12.94 110.17 7 59 30 492.2 25.47 332.39
 100.89 10 37 36 5812.07 22.94 276.38 12.95 110.16 12 14 28 5212.1 25.48 268.48
 79.11 7 41 18 1092.19 22.93 340.29 12.94 110.17 7 59 30 492.2 25.47 332.39
 100.89 10 37 36 5812.07 22.94 276.38 12.95 110.16 12 14 28 5212.1 25.48 268.48
 110.00 9 34 54 721.89 13.37 308.46 8.05 121.76 9 46 56 121.9 17.47 301.75
 110.00 13 43 9 5230.38 33.25 235.26 15.92 98.45 15 10 20 4630.4 34.06 226.12

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7543 TRA -.8326 TC3-4.2293 BAU .7843 SGT 4404.8 SGR 511.2 SG3 495.4 ST 2739.4 SR 469.6 SS 1572.8
 RDE .3049 RRA .0193 RC3 .2679 FAU .08766 RRT -.8645 RRF -.9245 RTF .9584 CRT -.9898 CRS .9998 CST -.9907
 FDE-2.6068 FRA -.1981 FC3-5.4816 BSP 13692 SGB 4434.3 R23 .1854 R13 -.9595 LSA 3187.7 MSA 193.0 SSA 7.9
 BDE 1.7806 BRA .8328 BC3 4.2378 FSP -1587 SG1 4427.0 SG2 255.7 THA 174.25 EL1 2778.6 EL2 65.9 ALF 170.36

LAUNCH DATE JUN 25 1967

FLIGHT TIME 158.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 451.328

RL 152.06 LAL .00 LOL 272.77 VL 26.644 GAL -1.47 AZL 94.86 HCA 210.92 SMA 128.14 ECC .18835 INC 4.8554 V1 29.299
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.866 GAP 5.66 AZP 85.83 TAL 186.35 TAP 37.26 RCA 104.00 APO 152.27 V2 35.257
 RC 125.861 GL -38.21 GP 15.32 ZAL 102.12 ZAP 144.40 ETS 23.14 ZAE 132.33 ETE 165.25 ZAC 104.04 ETC 19.97 CLP-147.46

PLANETOCENTRIC CONIC

C3 13.286 VHL 3.645 OLA -29.90 RAL 152.15 RAD 6567.5 VEL 11.605 PTH 2.03 VHP 4.634 DPA 26.54 RAP 165.35 ECC 1.2186
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.96 7 57 44 1062.70 22.94 338.10 14.75 109.73 8 15 27 462.7 25.42 330.17
 100.04 10 41 10 5823.61 22.95 277.24 14.75 109.72 12 18 13 5223.6 25.43 269.32
 79.96 7 57 44 1062.70 22.94 338.10 14.75 109.73 8 15 27 462.7 25.42 330.17
 100.04 10 41 10 5823.61 22.95 277.24 14.75 109.72 12 18 13 5223.6 25.43 269.32
 110.00 9 40 51 726.43 13.20 308.71 9.81 121.82 9 52 58 126.4 17.32 302.02
 110.00 13 57 13 5207.88 33.46 233.54 17.63 97.45 15 24 1 4607.9 34.13 224.36

DIFFERENTIAL CORRECTIONS

TDE-1.7682 TRA -7.445 TC3-4.5544 BAU .8096
 RDE .2714 RRA .0133 RC3 .1869 FAU .08368
 FDE-2.4423 FRA -.0561 FC3-5.4527 BSP 14113
 BDE 1.7889 BRA .7446 BC3 4.5583 FSP -1533

MID-COURSE EXECUTION ACCURACY

SGT 4535.5 SGR 448.5 SG3 477.5
 RRT -.8213 RRF -.8802 RTF .9576
 SGB 4557.7 R23 .1598 R13 -.9583
 SG1 4550.5 SG2 255.0 THA 175.34

ORBIT DETERMINATION ACCURACY

ST 2810.6 SR 426.7 SS 1538.0
 CRT -.9915 CRS .9997 CST -.9907
 LSA 3226.6 MSA 188.7 SSA 9.0
 EL1 2842.3 EL2 54.8 ALF 171.44

LAUNCH DATE JUN 25 1967

FLIGHT TIME 160.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 457.365

RL 152.06 LAL .00 LOL 272.77 VL 26.607 GAL -1.21 AZL 94.67 HCA 214.16 SMA 127.90 ECC .19005 INC 4.6674 V1 29.299
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.841 GAP 6.00 AZP 86.14 TAL 185.17 TAP 39.33 RCA 103.59 APO 152.20 V2 35.258
 RC 128.066 GL -37.12 GP 13.62 ZAL 100.36 ZAP 146.67 ETS 22.16 ZAE 132.05 ETE 167.21 ZAC 103.28 ETC 19.02 CLP-149.28

PLANETOCENTRIC CONIC

C3 12.867 VHL 3.587 OLA -29.81 RAL 154.73 RAD 6567.5 VEL 11.587 PTH 2.03 VHP 4.752 DPA 24.43 RAP 166.02 ECC 1.2118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.28 8 10 25 1048.16 23.03 337.05 16.82 109.47 8 27 53 448.2 25.47 329.11
 99.72 10 49 3 5824.33 23.04 277.33 16.82 109.46 12 26 8 5224.3 25.48 269.39
 100.00 10 32 17 5877.90 21.68 280.76 16.28 111.10 12 10 15 5277.9 24.35 272.99
 100.00 11 9 52 5757.86 24.40 272.89 17.32 107.82 12 45 50 5157.9 26.61 264.79
 110.00 9 49 44 724.21 13.28 308.59 11.91 121.79 10 1 49 124.2 17.39 301.89
 110.00 14 8 54 5196.28 33.56 232.65 19.62 96.93 15 35 30 4596.3 34.15 223.46

DIFFERENTIAL CORRECTIONS

TDE-1.7882 TRA -.6472 TC3-4.8350 BAU .8320
 RDE .2478 RRA .0105 RC3 .1146 FAU .07913
 FDE-2.2884 FRA .0792 FC3-5.3240 BSP 14435
 BDE 1.8053 BRA .6473 BC3 4.8364 FSP -1463

MID-COURSE EXECUTION ACCURACY

SGT 4648.6 SGR 404.7 SG3 456.9
 RRT -.7647 RRF -.8213 RTF .9565
 SGB 4666.2 R23 .1358 R13 -.9570
 SG1 4658.9 SG2 260.2 THA 176.18

ORBIT DETERMINATION ACCURACY

ST 2880.4 SR 395.9 SS 1501.4
 CRT -.9935 CRS .9993 CST -.9907
 LSA 3267.1 MSA 184.2 SSA 10.1
 EL1 2907.1 EL2 44.5 ALF 172.22

LAUNCH DATE JUN 25 1967

FLIGHT TIME 162.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 463.384

RL 152.06 LAL .00 LOL 272.77 VL 26.569 GAL -.94 AZL 94.51 HCA 217.41 SMA 127.65 ECC .19188 INC 4.5084 V1 29.299
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.815 GAP 6.33 AZP 86.42 TAL 183.97 TAP 41.38 RCA 103.16 APO 152.14 V2 35.259
 RC 130.261 GL -36.10 GP 12.22 ZAL 98.43 ZAP 148.74 ETS 21.35 ZAE 131.70 ETE 168.82 ZAC 102.31 ETC 18.18 CLP-151.00

PLANETOCENTRIC CONIC

C3 12.560 VHL 3.544 OLA -29.84 RAL 157.39 RAD 6567.5 VEL 11.574 PTH 2.02 VHP 4.879 DPA 22.56 RAP 166.90 ECC 1.2067
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.16 8 20 7 1045.88 23.17 336.94 19.13 109.35 8 37 33 445.9 25.60 328.98
 99.84 11 0 35 5816.25 23.18 276.78 19.13 109.34 12 37 31 5216.3 25.61 268.83
 100.00 10 47 32 5857.93 22.16 279.48 18.73 110.59 12 25 10 5257.9 24.76 271.65
 100.00 11 15 51 5767.48 24.20 273.54 19.51 108.10 12 51 59 5167.5 26.45 265.46
 110.00 10 0 53 717.27 13.53 308.21 14.29 121.69 10 12 50 117.3 17.63 301.49
 110.00 14 18 59 5192.86 33.58 232.39 21.87 96.78 15 45 32 4592.9 34.16 223.19

DIFFERENTIAL CORRECTIONS

TDE-1.8220 TRA -.5492 TC3-5.0986 BAU .8561
 RDE .2325 RRA .0109 RC3 .0544 FAU .07498
 FDE-2.1617 FRA .1926 FC3-5.1684 BSP 14888
 BDE 1.8368 BRA .5493 BC3 5.0989 FSP -1413

MID-COURSE EXECUTION ACCURACY

SGT 4773.3 SGR 378.5 SG3 438.5
 RRT -.7017 RRF -.7537 RTF .9562
 SGB 4788.3 R23 .1131 R13 -.9565
 SG1 4780.7 SG2 269.2 THA 176.81

ORBIT DETERMINATION ACCURACY

ST 2963.6 SR 376.0 SS 1474.8
 CRT -.9956 CRS .9985 CST -.9909
 LSA 3326.7 MSA 179.1 SSA 11.2
 EL1 2987.1 EL2 34.9 ALF 172.80

LAUNCH DATE JUN 25 1967

FLIGHT TIME 164.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 469.384

RL 152.06 LAL .00 LOL 272.77 VL 26.531 GAL -.66 AZL 94.37 HCA 220.66 SMA 127.40 ECC .19385 INC 4.3714 V1 29.299
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.788 GAP 6.66 AZP 86.68 TAL 182.74 TAP 43.40 RCA 102.71 APO 152.10 V2 35.259
 RC 132.447 GL -35.13 GP 11.06 ZAL 96.34 ZAP 150.65 ETS 20.68 ZAE 131.33 ETE 170.16 ZAC 101.15 ETC 17.43 CLP-152.64

PLANETOCENTRIC CONIC

C3 12.346 VHL 3.514 OLA -29.98 RAL 160.15 RAD 6567.5 VEL 11.564 PTH 2.02 VHP 5.016 DPA 20.87 RAP 167.96 ECC 1.2032
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.71 8 27 44 1052.99 23.35 337.53 21.67 109.35 8 45 17 453.0 25.78 329.57
 100.29 11 14 56 5801.83 23.37 275.78 21.67 109.34 12 51 38 5201.8 25.79 267.81
 79.71 8 27 44 1052.99 23.35 337.53 21.67 109.35 8 45 17 453.0 25.78 329.57
 100.29 11 14 56 5801.83 23.37 275.78 21.67 109.34 12 51 38 5201.8 25.79 267.81
 110.00 10 13 53 706.91 13.90 307.63 16.93 121.55 10 25 39 106.9 17.97 300.89
 110.00 14 27 59 5195.90 33.56 232.62 24.37 96.91 15 54 34 4595.9 34.15 223.43

DIFFERENTIAL CORRECTIONS

TDE-1.8556 TRA -.4375 TC3-5.3089 BAU .8762
 RDE .2220 RRA .0122 RC3 .0011 FAU .07038
 FDE-2.0369 FRA .3069 FC3-4.9353 BSP 15179
 BDE 1.8688 BRA .4377 BC3 5.3089 FSP -1342

MID-COURSE EXECUTION ACCURACY

SGT 4873.7 SGR 362.7 SG3 417.9
 RRT -.6319 RRF -.6792 RTF .9551
 SGB 4887.1 R23 .0951 R13 -.9553
 SG1 4879.1 SG2 280.8 THA 177.30

ORBIT DETERMINATION ACCURACY

ST 3038.0 SR 362.0 SS 1442.1
 CRT -.9974 CRS .9970 CST -.9911
 LSA 3377.8 MSA 174.4 SSA 12.3
 EL1 3059.4 EL2 26.0 ALF 173.22

LAUNCH DATE JUN 25 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 475.364

RL 152.06 LAL .00 LOL 272.77 VL 26.492 GAL -3.36 AZL 94.25 MCA 223.90 SMA 127.15 ECC .19596 INC 4.2513 V1 29.299
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.760 GAP 6.99 AZP 86.93 TAL 181.49 TAP 45.39 RCA 102.24 APO 152.07 V2 35.258
 RC 134.624 GL -34.19 GP 10.07 ZAL 94.12 ZAP 152.43 ETS 20.13 ZAE 130.96 ETE 171.26 ZAC 99.85 ETC 16.75 CLP-154.20

PLANETOCENTRIC CONIC

C3 12.216 VHL 3.495 DLA -30.19 RAL 163.00 RAD 6567.5 VEL 11.559 PTH 2.02 VHP 5.159 DPA 19.31 RAP 169.17 ECC 1.2010
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.07 8 34 17 1066.11 23.56 338.59 24.42 109.44 8 52 3 466.1 26.00 330.61
 100.93 11 31 8 5784.22 23.57 274.55 24.42 109.43 13 7 32 5184.2 26.01 266.57
 79.07 8 34 17 1066.11 23.56 338.59 24.42 109.44 8 52 3 466.1 26.00 330.61
 100.93 11 31 8 5784.22 23.57 274.55 24.42 109.43 13 7 32 5184.2 26.01 266.57
 110.00 10 28 22 694.27 14.35 306.93 19.80 121.36 10 39 56 94.3 18.40 300.15
 110.00 14 36 14 5204.06 33.49 233.25 27.10 97.28 16 2 58 4604.1 34.14 224.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9011 TRA -.3247 TC3-5.5033 BAU .8988 SGT 4989.1 SGR 357.2 SG3 400.4 ST 3124.2 SR 354.9 SS 1419.3
 RDE .2164 RRA .0153 RC3 -.0413 FAU .06642 RRT -.5683 RRF -.6097 RTF .9551 CRT -.9986 CRS .9948 CST -.9915
 FDE-1.9364 FRA .3999 FC3-4.7069 BSP 15647 SGB 5001.8 R23 .0791 R13 -.9553 LSA 3445.6 MSA 168.9 SSA 13.3
 BDE 1.9134 BRA .3251 BC3 5.5034 FSP -1302 SG1 4993.2 SG2 293.6 THA 177.66 EL1 3144.2 EL2 18.5 ALF 173.53

LAUNCH DATE JUN 25 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 481.324

RL 152.06 LAL .00 LOL 272.77 VL 26.453 GAL -1.05 AZL 94.14 MCA 227.15 SMA 126.90 ECC .19823 INC 4.1447 V1 29.299
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.732 GAP 7.33 AZP 87.18 TAL 180.22 TAP 47.37 RCA 101.75 APO 152.06 V2 35.256
 RC 136.791 GL -33.24 GP 9.24 ZAL 91.78 ZAP 154.09 ETS 19.70 ZAE 130.60 ETE 172.19 ZAC 98.42 ETC 16.14 CLP-155.69

PLANETOCENTRIC CONIC

C3 12.164 VHL 3.488 DLA -30.44 RAL 165.94 RAD 6567.5 VEL 11.556 PTH 2.02 VHP 5.309 DPA 17.85 RAP 170.50 ECC 1.2002
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.32 8 40 28 1082.92 23.77 339.93 27.38 109.60 8 58 31 482.9 26.23 331.94
 101.68 11 48 28 5765.62 23.79 273.24 27.38 109.58 13 24 33 5165.6 26.24 265.25
 78.32 8 40 28 1082.92 23.77 339.93 27.38 109.60 8 58 31 482.9 26.23 331.94
 101.68 11 48 28 5765.62 23.79 273.24 27.38 109.58 13 24 33 5165.6 26.24 265.25
 110.00 10 44 5 680.23 14.85 306.14 22.90 121.15 10 55 25 80.2 18.86 299.33
 110.00 14 44 1 5216.32 33.38 234.19 30.04 97.83 16 10 57 4616.3 34.10 225.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9553 TRA -.2123 TC3-5.6877 BAU .9251 SGT 5120.8 SGR 357.9 SG3 386.2 ST 3216.7 SR 352.6 SS 1401.3
 RDE .2145 RRA .0195 RC3 -.0723 FAU .06342 RRT -.5167 RRF -.5496 RTF .9564 CRT -.9991 CRS .9921 CST -.9919
 FDE-1.8512 FRA .4757 FC3-4.5135 BSP 16205 SGB 5133.3 R23 .0627 R13 -.9566 LSA 3522.5 MSA 163.0 SSA 14.4
 BDE 1.9671 BRA .2132 BC3 5.6882 FSP -1279 SG1 5124.1 SG2 306.2 THA 177.92 EL1 3235.9 EL2 14.6 ALF 173.75

LAUNCH DATE JUN 25 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 487.264

RL 152.06 LAL .00 LOL 272.77 VL 26.414 GAL .27 AZL 94.05 MCA 230.40 SMA 126.65 ECC .20067 INC 4.0487 V1 29.299
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.702 GAP 7.67 AZP 87.42 TAL 178.93 TAP 49.32 RCA 101.24 APO 152.06 V2 35.254
 RC 138.949 GL -32.29 GP 8.52 ZAL 89.33 ZAP 155.66 ETS 19.36 ZAE 130.25 ETE 172.98 ZAC 96.87 ETC 15.59 CLP-157.11

PLANETOCENTRIC CONIC

C3 12.190 VHL 3.491 DLA -30.73 RAL 168.99 RAD 6567.5 VEL 11.558 PTH 2.02 VHP 5.465 DPA 16.47 RAP 171.92 ECC 1.2006
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.53 8 46 51 1101.61 23.98 341.41 30.53 109.82 9 5 13 501.6 26.46 333.42
 102.47 12 6 21 5747.83 23.99 271.99 30.54 109.80 13 42 9 5147.8 26.47 264.00
 77.53 8 46 51 1101.61 23.98 341.41 30.53 109.82 9 5 13 501.6 26.46 333.42
 102.47 12 6 21 5747.83 23.99 271.99 30.54 109.80 13 42 9 5147.8 26.47 264.00
 110.00 11 0 49 665.52 15.36 305.32 26.20 120.92 11 11 54 65.5 19.35 298.46
 110.00 14 51 34 5231.92 33.23 235.38 33.19 98.52 16 18 45 4631.9 34.05 226.24

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9874 TRA -.0625 TC3-5.7314 BAU .9342 SGT 5164.1 SGR 360.4 SG3 362.7 ST 3263.8 SR 350.3 SS 1355.1
 RDE .2133 RRA .0221 RC3 -.1065 FAU .05802 RRT -.4563 RRF -.4870 RTF .9538 CRT -.9988 CRS .9878 CST -.9919
 FDE-1.7362 FRA .5798 FC3-4.1208 BSP 16102 SGB 5176.7 R23 .0563 R13 -.9539 LSA 3547.7 MSA 159.5 SSA 15.4
 BDE 1.9988 BRA .0663 BC3 5.7324 FSP -1161 SG1 5166.7 SG2 320.5 THA 178.17 EL1 3282.5 EL2 17.4 ALF 173.88

LAUNCH DATE JUN 25 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 493.181

RL 152.06 LAL .00 LOL 272.77 VL 26.374 GAL .61 AZL 93.96 MCA 233.64 SMA 126.40 ECC .20327 INC 3.9613 V1 29.299
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.671 GAP 8.01 AZP 87.65 TAL 177.62 TAP 51.26 RCA 100.70 APO 152.09 V2 35.251
 RC 141.095 GL -31.31 GP 7.90 ZAL 86.79 ZAP 157.14 ETS 19.12 ZAE 129.93 ETE 173.64 ZAC 95.24 ETC 15.09 CLP-158.47

PLANETOCENTRIC CONIC

C3 12.293 VHL 3.506 DLA -31.02 RAL 172.11 RAD 6567.5 VEL 11.562 PTH 2.02 VHP 5.627 DPA 15.15 RAP 173.44 ECC 1.2023
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.76 8 53 48 1120.87 24.16 342.93 33.88 110.08 9 12 29 520.9 26.67 334.93
 103.24 12 24 21 5732.15 24.17 270.88 33.88 110.07 13 59 54 5132.1 26.68 262.89
 76.76 8 53 48 1120.87 24.16 342.93 33.88 110.08 9 12 29 520.9 26.67 334.93
 103.24 12 24 21 5732.15 24.17 270.88 33.88 110.07 13 59 54 5132.1 26.68 262.89
 110.00 11 18 15 651.08 15.87 304.50 29.69 120.68 11 29 6 51.1 19.82 297.61
 110.00 14 59 5 5249.94 33.04 236.75 36.53 99.31 16 26 35 4649.9 33.97 227.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0376 TRA .0800 TC3-5.7990 BAU .9533 SGT 5258.0 SGR 367.3 SG3 346.8 ST 3332.3 SR 353.2 SS 1327.2
 RDE .2160 RRA .0258 RC3 -.1270 FAU .05446 RRT -.4170 RRF -.4426 RTF .9537 CRT -.9975 CRS .9831 CST -.9922
 FDE-1.6539 FRA .6575 FC3-3.8353 BSP 16476 SGB 5270.8 R23 .0476 R13 -.9538 LSA 3600.9 MSA 155.4 SSA 16.3
 BDE 2.0491 BRA .0841 BC3 5.8004 FSP -1121 SG1 5260.3 SG2 333.7 THA 178.32 EL1 3350.9 EL2 24.9 ALF 173.96

LAUNCH DATE JUN 25 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 499.076

RL 152.06 LAL .00 LOL 272.77 VL 26.335 GAL .96 AZL 93.88 HCA 236.89 SMA 126.15 ECC .20607 INC 3.8809 V1 29.299
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.640 GAP 8.35 AZP 87.88 TAL 176.30 TAP 53.18 RCA 100.15 APO 152.14 V2 35.247
 RC 143.232 GL -30.30 GP 7.36 ZAL 84.18 ZAP 158.54 ETS 18.97 ZAE 129.63 ETE 174.21 ZAC 93.53 ETC 14.64 CLP-159.78

PLANETOCENTRIC CONIC

C3 12.477 VHL 3.532 OLA -31.31 RAL 175.32 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 5.795 DPA 13.87 RAP 175.02 ECC 1.2053
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.04 9 1 29 1140.10 24.30 344.43 37.39 110.39 9 20 29 540.1 26.85 336.44
 103.96 12 42 15 5719.22 24.31 269.96 37.39 110.37 14 17 34 5119.2 26.86 261.97
 76.04 9 1 29 1140.10 24.30 344.43 37.39 110.39 9 20 29 540.1 26.85 336.44
 103.96 12 42 15 5719.22 24.31 269.96 37.39 110.37 14 17 34 5119.2 26.86 261.97
 110.00 11 36 7 637.67 16.33 303.74 33.36 120.46 11 46 44 37.7 20.25 296.81
 110.00 15 6 47 5269.65 32.81 238.25 40.03 100.16 16 34 37 4669.7 33.87 229.17

DIFFERENTIAL CORRECTIONS

TDE-2.0869 TRA .2324 TC3-5.8185 BAU .9708
 RDE .2206 RRA .0293 RC3 -.1416 FAU .05100
 FDE-1.5743 FRA .7296 FC3-3.5387 BSP 16773
 BDE 2.0985 BRA .2343 BC3 5.8202 FSP -1073

MID-COURSE EXECUTION ACCURACY

SGT 5343.2 SGR 375.6 SG3 331.1
 RRT -.3863 RRF -.4073 RTF .9537
 SGB 5356.3 R23 .0404 R13 -.9538
 SG1 5345.1 SG2 346.3 THA 178.44

ORBIT DETERMINATION ACCURACY

ST 3389.9 SR 358.2 SS 1295.8
 CRT -.9953 CRS .9778 CST -.9925
 LSA 3643.5 MSA 152.0 SSA 17.2
 EL1 3408.6 EL2 34.4 ALF 174.00

LAUNCH DATE JUN 25 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 504.947

RL 152.06 LAL .00 LOL 272.77 VL 26.295 GAL 1.33 AZL 93.81 HCA 240.13 SMA 125.89 ECC .20906 INC 3.8063 V1 29.299
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.607 GAP 8.71 AZP 88.10 TAL 174.96 TAP 55.09 RCA 99.58 APO 152.21 V2 35.243
 RC 145.356 GL -29.26 GP 6.89 ZAL 81.51 ZAP 159.87 ETS 18.92 ZAE 129.35 ETE 174.69 ZAC 91.74 ETC 14.23 CLP-161.04

PLANETOCENTRIC CONIC

C3 12.745 VHL 3.570 OLA -31.58 RAL 178.59 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 5.968 DPA 12.64 RAP 176.67 ECC 1.2098
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.40 9 10 3 1158.68 24.39 345.87 41.06 110.71 9 29 22 558.7 26.98 337.89
 104.60 12 59 45 5709.74 24.40 269.28 41.06 110.70 14 34 55 5109.7 26.99 261.30
 75.40 9 10 3 1158.68 24.39 345.87 41.06 110.71 9 29 22 558.7 26.98 337.89
 104.60 12 59 45 5709.74 24.40 269.28 41.06 110.70 14 34 55 5109.7 26.99 261.30
 110.00 11 54 7 626.15 16.73 303.08 37.16 120.25 12 4 33 26.1 20.62 296.12
 110.00 15 14 52 5290.27 32.56 239.80 43.70 101.05 16 43 2 4690.3 33.74 290.76

DIFFERENTIAL CORRECTIONS

TDE-2.1354 TRA .3942 TC3-5.7909 BAU .9871
 RDE .2270 RRA .0326 RC3 -.1506 FAU .04765
 FDE-1.4982 FRA .7957 FC3-3.2365 BSP 17046
 BDE 2.1474 BRA .3955 BC3 5.7928 FSP -1026

MID-COURSE EXECUTION ACCURACY

SGT 5421.5 SGR 384.8 SG3 315.9
 RRT -.3635 RRF -.3806 RTF .9539
 SGB 5435.1 R23 .0347 R13 -.9539
 SG1 5423.3 SG2 358.3 THA 178.52

ORBIT DETERMINATION ACCURACY

ST 3436.6 SR 364.8 SS 1261.9
 CRT -.9923 CRS .9718 CST -.9928
 LSA 3676.0 MSA 149.4 SSA 17.9
 EL1 3455.6 EL2 44.8 ALF 173.99

LAUNCH DATE JUN 25 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 510.792

RL 152.06 LAL .00 LOL 272.77 VL 26.255 GAL 1.72 AZL 93.74 HCA 243.38 SMA 125.64 ECC .21227 INC 3.7364 V1 29.299
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.575 GAP 9.06 AZP 88.32 TAL 173.60 TAP 56.98 RCA 98.97 APO 152.31 V2 35.237
 RC 147.469 GL -28.19 GP 6.47 ZAL 78.80 ZAP 161.15 ETS 18.95 ZAE 129.09 ETE 175.11 ZAC 89.89 ETC 13.86 CLP-162.26

PLANETOCENTRIC CONIC

C3 13.105 VHL 3.620 OLA -31.81 RAL 181.90 RAD 6567.5 VEL 11.597 PTH 2.03 VHP 6.149 DPA 11.43 RAP 178.38 ECC 1.2157
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.86 9 19 33 1176.33 24.41 347.22 44.86 111.06 9 39 10 576.3 27.05 339.26
 105.14 13 16 42 5704.05 24.42 268.86 44.87 111.05 14 51 46 5104.1 27.06 260.89
 74.86 9 19 33 1176.33 24.41 347.22 44.86 111.06 9 39 10 576.3 27.05 339.26
 105.14 13 16 42 5704.05 24.42 268.86 44.87 111.05 14 51 46 5104.1 27.06 260.89
 110.00 12 11 55 617.39 17.03 302.58 41.09 120.10 12 22 12 17.4 20.90 295.59
 110.00 15 23 31 5310.99 32.27 241.35 47.50 101.93 16 52 2 4711.0 33.58 232.36

DIFFERENTIAL CORRECTIONS

TDE-2.1803 TRA .5697 TC3-5.7093 BAU 1.0006
 RDE .2351 RRA .0351 RC3 -.1550 FAU .04432
 FDE-1.4247 FRA .8604 FC3-2.9280 BSP 17235
 BDE 2.1930 BRA .5708 BC3 5.7114 FSP -977

MID-COURSE EXECUTION ACCURACY

SGT 5488.3 SGR 394.2 SG3 301.1
 RRT -.3471 RRF -.3614 RTF .9538
 SGB 5502.4 R23 .0307 R13 -.9539
 SG1 5490.0 SG2 369.6 THA 178.57

ORBIT DETERMINATION ACCURACY

ST 3467.7 SR 372.7 SS 1225.4
 CRT -.9886 CRS .9650 CST -.9930
 LSA 3693.7 MSA 148.1 SSA 18.5
 EL1 3487.3 EL2 55.9 ALF 173.93

LAUNCH DATE JUN 25 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 516.609

RL 152.06 LAL .00 LOL 272.77 VL 26.214 GAL 2.12 AZL 93.67 HCA 246.62 SMA 125.39 ECC .21570 INC 3.6704 V1 29.299
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.541 GAP 9.43 AZP 88.54 TAL 172.24 TAP 58.86 RCA 98.35 APO 152.44 V2 35.231
 RC 149.570 GL -27.09 GP 6.10 ZAL 76.06 ZAP 162.38 ETS 19.09 ZAE 128.85 ETE 175.47 ZAC 87.99 ETC 13.53 CLP-163.43

PLANETOCENTRIC CONIC

C3 13.562 VHL 3.683 OLA -32.01 RAL 185.25 RAD 6567.5 VEL 11.617 PTH 2.04 VHP 6.336 DPA 10.25 RAP 180.13 ECC 1.2232
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.42 9 29 58 1192.96 24.37 348.47 48.79 111.42 9 49 51 593.0 27.06 340.52
 105.58 13 32 59 5702.32 24.38 268.71 48.79 111.41 15 8 2 5102.3 27.07 260.76
 74.42 9 29 58 1192.96 24.37 348.47 48.79 111.42 9 49 51 593.0 27.06 340.52
 105.58 13 32 59 5702.32 24.38 268.71 48.79 111.41 15 8 2 5102.3 27.07 260.76
 110.00 12 29 10 612.30 17.20 302.28 45.10 120.01 12 39 22 12.3 21.06 295.28
 110.00 15 32 58 5330.98 31.98 242.84 51.44 102.76 17 1 49 4731.0 33.41 233.90

DIFFERENTIAL CORRECTIONS

TDE-2.2263 TRA .7526 TC3-5.5967 BAU 1.0152
 RDE .2450 RRA .0370 RC3 -.1545 FAU .04133
 FDE-1.3570 FRA .9191 FC3-2.6380 BSP 17494
 BDE 2.2397 BRA .7535 BC3 5.5989 FSP -936

MID-COURSE EXECUTION ACCURACY

SGT 5558.5 SGR 403.6 SG3 287.5
 RRT -.3377 RRF -.3493 RTF .9541
 SGB 5573.1 R23 .0272 R13 -.9542
 SG1 5560.1 SG2 379.8 THA 178.59

ORBIT DETERMINATION ACCURACY

ST 3490.5 SR 381.8 SS 1188.9
 CRT -.9842 CRS .9580 CST -.9932
 LSA 3704.2 MSA 147.9 SSA 18.8
 EL1 3510.7 EL2 67.2 ALF 173.85

LAUNCH DATE JUN 25 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 522.397

RL 152.06 LAL .00 LOL 272.77 VL 26.174 GAL 2.54 AZL 93.61 HCA 249.86 SMA 125.14 ECC .21939 INC 3.6076 V1 29.299
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.507 GAP 9.81 AZP 88.76 TAL 170.87 TAP 60.73 RCA 97.69 APO 152.60 V2 35.225
 RC 151.657 GL -25.96 GP 5.77 ZAL 73.32 ZAP 163.55 ETS 19.34 ZAE 128.63 ETE 175.78 ZAC 86.04 ETC 13.23 CLP-164.57

PLANETOCENTRIC CONIC

C3 14.127 VHL 3.759 DLA -32.15 RAL 188.61 RAD 6567.6 VEL 11.641 PTH 2.04 VHP 6.531 DPA 9.09 RAP 181.93 ECC 1.2325
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.11 9 41 16 1208.44 24.25 349.60 52.81 111.78 10 1 24 608.4 26.98 341.67
 105.89 13 48 28 5704.73 24.26 268.84 52.81 111.77 15 23 33 5104.7 26.99 260.92
 74.11 9 41 16 1208.44 24.25 349.60 52.81 111.78 10 1 24 608.4 26.98 341.67
 105.89 13 48 28 5704.73 24.26 268.84 52.81 111.77 15 23 33 5104.7 26.99 260.92
 110.00 12 45 32 611.72 17.22 302.25 49.17 120.00 12 55 44 11.7 21.08 295.25
 110.00 15 43 22 5349.45 31.70 244.20 55.49 103.52 17 12 32 4749.4 33.23 235.31

DIFFERENTIAL CORRECTIONS

TDE-2.2699 TRA .9463 TC3-5.4455 BAU 1.0289
 RDE .2565 RRA .0382 RC3 -.1501 FAU .03850
 FDE-1.2928 FRA .9740 FC3-2.3595 BSP 17750
 BDE 2.2843 BRA .9470 BC3 5.4475 FSP -899

MID-COURSE EXECUTION ACCURACY

SGT 5624.2 SGR 412.7 SG3 274.7
 RRT -.3333 RRF -.3428 RTF .9546
 SGB 5639.3 R23 .0245 R13 -.9547
 SG1 5625.9 SG2 389.0 THA 178.59

ORBIT DETERMINATION ACCURACY

ST 3499.8 SR 391.5 SS 1151.4
 CRT -.9792 CRS .9906 CST -.9934
 LSA 3702.1 MSA 148.9 SSA 19.0
 EL1 3520.8 EL2 78.9 ALF 173.75

LAUNCH DATE JUN 25 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 528.153

RL 152.06 LAL .00 LOL 272.77 VL 26.134 GAL 2.99 AZL 93.55 HCA 253.10 SMA 124.90 ECC .22334 INC 3.5474 V1 29.299
 RP 107.60 LAP 3.39 LOP 165.85 VP 37.472 GAP 10.19 AZP 88.97 TAL 169.49 TAP 62.59 RCA 97.00 APO 152.79 V2 35.217
 RC 153.730 GL -24.81 GP 5.48 ZAL 70.58 ZAP 164.69 ETS 19.71 ZAE 128.43 ETE 176.74 ZAC 84.05 ETC 12.96 CLP-165.68

PLANETOCENTRIC CONIC

C3 14.811 VHL 3.848 DLA -32.23 RAL 191.95 RAD 6567.6 VEL 11.670 PTH 2.05 VHP 6.734 DPA 7.94 RAP 183.76 ECC 1.2437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.92 9 53 23 1222.75 24.04 350.60 56.90 112.14 10 13 45 622.8 26.83 342.71
 106.08 14 3 3 5711.37 24.05 269.26 56.91 112.13 15 38 14 5111.4 26.84 261.37
 73.92 9 53 23 1222.75 24.04 350.60 56.90 112.14 10 13 45 622.8 26.83 342.71
 106.08 14 3 3 5711.37 24.05 269.26 56.91 112.13 15 38 14 5111.4 26.84 261.37
 110.00 13 0 43 616.35 17.06 302.52 53.26 120.08 13 10 59 16.4 20.93 295.53
 110.00 15 54 53 5365.77 31.43 245.40 59.64 104.19 17 24 19 4765.8 33.06 236.55

DIFFERENTIAL CORRECTIONS

TDE-2.3087 TRA 1.1524 TC3-5.2550 BAU 1.0409
 RDE .2693 RRA .0384 RC3 -.1429 FAU .03577
 FDE-1.2295 FRA 1.0272 FC3-2.0907 BSP 17966
 BDE 2.3243 BRA 1.1531 BC3 5.2569 FSP -862

MID-COURSE EXECUTION ACCURACY

SGT 5682.2 SGR 421.2 SG3 262.2
 RRT -.3327 RRF -.3402 RTF .9550
 SGB 5697.8 R23 .0222 R13 -.9551
 SG1 5683.9 SG2 397.1 THA 178.58

ORBIT DETERMINATION ACCURACY

ST 3492.7 SR 401.4 SS 1111.2
 CRT -.9737 CRS .9427 CST -.9936
 LSA 3683.9 MSA 151.4 SSA 19.0
 EL1 3514.5 EL2 90.8 ALF 173.61

LAUNCH DATE JUN 25 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 533.875

RL 152.06 LAL .00 LOL 272.77 VL 26.094 GAL 3.45 AZL 93.49 HCA 256.34 SMA 124.65 ECC .22759 INC 3.4892 V1 29.299
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.436 GAP 10.59 AZP 89.18 TAL 168.10 TAP 64.45 RCA 96.28 APO 153.02 V2 35.210
 RC 155.789 GL -23.64 GP 5.22 ZAL 67.87 ZAP 165.79 ETS 20.21 ZAE 128.24 ETE 176.28 ZAC 82.02 ETC 12.73 CLP-166.76

PLANETOCENTRIC CONIC

C3 15.626 VHL 3.953 DLA -32.25 RAL 195.27 RAD 6567.6 VEL 11.705 PTH 2.06 VHP 6.947 DPA 6.81 RAP 185.62 ECC 1.2572
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.87 10 6 14 1235.91 23.74 351.47 61.06 112.50 10 26 50 635.9 26.58 343.62
 106.13 14 16 38 5722.25 23.76 269.96 61.06 112.48 15 52 1 5122.3 26.59 262.11
 73.87 10 6 14 1235.91 23.74 351.47 61.06 112.50 10 26 50 635.9 26.58 343.62
 106.13 14 16 38 5722.25 23.76 269.96 61.06 112.48 15 52 1 5122.3 26.59 262.11
 110.00 13 14 29 626.67 16.71 303.11 57.34 120.26 13 24 55 26.7 20.60 296.15
 110.00 16 7 35 5379.49 31.20 246.40 63.88 104.74 17 37 14 4779.5 32.90 237.59

DIFFERENTIAL CORRECTIONS

TDE-2.3408 TRA 1.3738 TC3-5.0254 BAU 1.0502
 RDE .2833 RRA .0373 RC3 -.1337 FAU .03305
 FDE-1.1664 FRA 1.0806 FC3-1.8309 BSP 18096
 BDE 2.3579 BRA 1.3743 BC3 5.0271 FSP -822

MID-COURSE EXECUTION ACCURACY

SGT 5730.7 SGR 428.8 SG3 250.2
 RRT -.3347 RRF -.3404 RTF .9551
 SGB 5746.7 R23 .0203 R13 -.9551
 SG1 5732.5 SG2 403.9 THA 178.56

ORBIT DETERMINATION ACCURACY

ST 3467.7 SR 411.1 SS 1068.4
 CRT -.9676 CRS .9339 CST -.9937
 LSA 3648.4 MSA 155.8 SSA 18.8
 EL1 3490.5 EL2 103.2 ALF 173.45

LAUNCH DATE JUN 25 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 539.559

RL 152.06 LAL .00 LOL 272.77 VL 26.054 GAL 3.94 AZL 93.43 HCA 259.58 SMA 124.41 ECC .23215 INC 3.4326 V1 29.299
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.401 GAP 11.00 AZP 89.38 TAL 166.71 TAP 66.29 RCA 95.53 APO 153.29 V2 35.201
 RC 157.834 GL -22.47 GP 4.99 ZAL 65.20 ZAP 166.85 ETS 20.86 ZAE 128.07 ETE 176.48 ZAC 79.96 ETC 12.53 CLP-167.82

PLANETOCENTRIC CONIC

C3 16.586 VHL 4.073 DLA -32.22 RAL 198.53 RAD 6567.7 VEL 11.746 PTH 2.07 VHP 7.169 DPA 5.70 RAP 187.51 ECC 1.2730
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.95 10 19 48 1247.85 23.36 352.20 65.24 112.84 10 40 35 647.9 26.25 344.40
 106.05 14 29 9 5737.47 23.38 270.94 65.25 112.83 16 4 46 5137.5 26.26 263.14
 73.95 10 19 48 1247.85 23.36 352.20 65.24 112.84 10 40 35 647.9 26.25 344.40
 106.05 14 29 9 5737.47 23.38 270.94 65.25 112.83 16 4 46 5137.5 26.26 263.14
 110.00 13 26 41 642.86 16.15 304.03 61.39 120.54 13 37 24 42.9 20.08 297.12
 110.00 16 21 25 5390.47 31.01 247.20 68.20 105.17 17 51 16 4790.5 32.77 238.42

DIFFERENTIAL CORRECTIONS

TDE-2.3730 TRA 1.6034 TC3-4.7798 BAU 1.0602
 RDE .2987 RRA .0354 RC3 -.1224 FAU .03061
 FDE-1.1093 FRA 1.1288 FC3-1.5976 BSP 18310
 BDE 2.3917 BRA 1.6038 BC3 4.7813 FSP -791

MID-COURSE EXECUTION ACCURACY

SGT 5780.3 SGR 435.9 SG3 239.0
 RRT -.3406 RRF -.3448 RTF .9557
 SGB 5796.7 R23 .0188 R13 -.9557
 SG1 5782.2 SG2 409.7 THA 178.52

ORBIT DETERMINATION ACCURACY

ST 3434.9 SR 420.6 SS 1027.9
 CRT -.9610 CRS .9251 CST -.9938
 LSA 3606.4 MSA 160.9 SSA 18.5
 EL1 3458.6 EL2 115.5 ALF 173.28

LAUNCH DATE JUN 25 1967

FLIGHT TIME 190.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 545.202

RL 152.06 LAL .00 LOL 272.77 VL 26.014 GAL 4.46 AZL 93.38 HCA 262.81 SMA 124.17 ECC .23706 INC 3.3772 V1 29.299
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.364 GAP 11.43 AZP 89.58 TAL 165.32 TAP 68.14 RCA 94.73 APO 153.60 V2 35.192
 RC 159.863 GL -21.29 GP 4.77 ZAL 62.58 ZAP 167.88 ETS 21.71 ZAE 127.90 ETE 176.65 ZAC 77.88 ETC 12.36 CLP-168.85

PLANETOCENTRIC CONIC

C3 17.711 VHL 4.208 DLA -32.12 RAL 201.73 RAD 6567.7 VEL 11.794 PTH 2.09 VHP 7.402 DPA 4.59 RAP 189.43 ECC 1.2915
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.17 10 33 59 1258.50 22.89 352.80 69.44 113.17 10 54 58 658.5 25.83 345.05
 105.83 14 40 27 5757.11 22.91 272.23 69.45 113.16 16 16 25 5157.1 25.84 264.47
 74.17 10 33 59 1258.50 22.89 352.80 69.44 113.17 10 54 58 658.5 25.83 345.05
 105.83 14 40 27 5757.11 22.91 272.23 69.45 113.16 16 16 25 5157.1 25.84 264.47
 110.00 13 37 20 664.74 15.39 305.27 65.39 120.91 13 48 25 64.7 19.37 298.42
 110.00 16 36 17 5398.87 30.85 247.81 72.57 105.50 18 6 16 4798.9 32.67 239.06

DIFFERENTIAL CORRECTIONS

TDE-2.4003 TRA 1.8470 TC3-4.5113 BAU 1.0685
 RDE .3152 RRA .0321 RC3 -.1101 FAU .02825
 FDE-1.0541 FRA 1.1763 FC3-1.3811 BSP 18485
 BDE 2.4209 BRA 1.8473 BC3 4.5126 FSP -759

MID-COURSE EXECUTION ACCURACY

SGT 5823.4 SGR 442.0 SG3 228.4
 RRT -.3487 RRF -.3515 RTF .9562
 SGB 5840.2 R23 .0175 R13 -.9562
 SG1 5825.5 SG2 414.1 THA 178.48

ORBIT DETERMINATION ACCURACY

ST 3389.0 SR 429.4 SS 987.2
 CRT -.9539 CRS .9157 CST -.9939
 LSA 3551.9 MSA 167.1 SSA 18.1
 EL1 3413.7 EL2 127.9 ALF 173.10

LAUNCH DATE JUN 25 1967

FLIGHT TIME 192.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 550.798

RL 152.06 LAL .00 LOL 272.77 VL 25.974 GAL 5.00 AZL 93.32 HCA 266.05 SMA 123.93 ECC .24234 INC 3.3226 V1 29.299
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.328 GAP 11.87 AZP 89.77 TAL 163.93 TAP 69.98 RCA 93.89 APO 153.96 V2 35.183
 RC 161.876 GL -20.11 GP 4.58 ZAL 60.02 ZAP 168.88 ETS 22.77 ZAE 127.75 ETE 176.80 ZAC 75.77 ETC 12.22 CLP-169.86

PLANETOCENTRIC CONIC

C3 19.020 VHL 4.361 DLA -31.96 RAL 204.85 RAD 6567.8 VEL 11.849 PTH 2.10 VHP 7.648 DPA 3.50 RAP 191.37 ECC 1.3130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.51 10 48 45 1267.93 22.34 353.26 73.64 113.48 11 9 53 667.9 25.32 345.56
 105.49 14 50 33 5781.08 22.35 273.79 73.64 113.47 16 26 54 5181.1 25.33 266.09
 74.51 10 48 45 1267.93 22.34 353.26 73.64 113.48 11 9 53 667.9 25.32 345.56
 105.49 14 50 33 5781.08 22.35 273.79 73.64 113.47 16 26 54 5181.1 25.33 266.09
 110.00 13 46 29 691.89 14.43 306.80 69.32 121.33 13 58 1 91.9 18.48 300.01
 110.00 16 51 59 5405.11 30.74 248.26 76.98 105.75 18 22 4 4805.1 32.59 239.53

DIFFERENTIAL CORRECTIONS

TDE-2.4237 TRA 2.1044 TC3-4.2269 BAU 1.0751
 RDE .3327 RRA .0274 RC3 -.0974 FAU .02599
 FDE-1.0013 FRA 1.2226 FC3-1.1832 BSP 18650
 BDE 2.4464 BRA 2.1046 BC3 4.2280 FSP -729

MID-COURSE EXECUTION ACCURACY

SGT 5861.1 SGR 447.3 SG3 218.2
 RRT -.3586 RRF -.3601 RTF .9567
 SGB 5878.1 R23 .0164 R13 -.9567
 SG1 5863.3 SG2 417.4 THA 178.42

ORBIT DETERMINATION ACCURACY

ST 3332.7 SR 437.3 SS 947.0
 CRT -.9463 CRS .9058 CST -.9939
 LSA 3487.7 MSA 174.4 SSA 17.6
 EL1 3358.3 EL2 140.3 ALF 172.91

LAUNCH DATE JUN 25 1967

FLIGHT TIME 194.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 556.344

RL 152.06 LAL .00 LOL 272.77 VL 25.935 GAL 5.57 AZL 93.27 HCA 269.28 SMA 123.69 ECC .24804 INC 3.2685 V1 29.299
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.291 GAP 12.34 AZP 89.96 TAL 162.54 TAP 71.82 RCA 93.01 APO 154.37 V2 35.172
 RC 163.875 GL -18.95 GP 4.41 ZAL 57.53 ZAP 169.86 ETS 24.92 ZAE 127.60 ETE 176.93 ZAC 73.65 ETC 12.11 CLP-170.86

PLANETOCENTRIC CONIC

C3 20.538 VHL 4.532 DLA -31.76 RAL 207.86 RAD 6567.8 VEL 11.913 PTH 2.12 VHP 7.907 DPA 2.42 RAP 193.33 ECC 1.3380
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.99 11 4 2 1275.98 21.71 353.57 77.82 113.76 11 25 18 676.0 24.73 345.93
 105.01 14 59 20 5809.50 21.72 275.65 77.82 113.76 16 36 9 5209.5 24.74 268.01
 74.99 11 4 2 1275.98 21.71 353.57 77.82 113.76 11 25 18 676.0 24.73 345.93
 105.01 14 59 20 5809.50 21.72 275.65 77.82 113.76 16 36 9 5209.5 24.74 268.01
 110.00 13 54 17 723.70 13.30 308.56 73.18 121.78 14 6 21 123.7 17.41 301.86
 110.00 17 8 15 5409.77 30.65 248.59 81.41 105.93 18 38 24 4809.8 32.53 239.88

DIFFERENTIAL CORRECTIONS

TDE-2.4398 TRA 2.3802 TC3-3.9259 BAU 1.0782
 RDE .3510 RRA .0212 RC3 -.0849 FAU .02374
 FDE -.9491 FRA 1.2706 FC3-1.0008 BSP 18721
 BDE 2.4649 BRA 2.3803 BC3 3.9268 FSP -696

MID-COURSE EXECUTION ACCURACY

SGT 5890.7 SGR 451.5 SG3 208.6
 RRT -.3696 RRF -.3696 RTF .9571
 SGB 5908.0 R23 .0151 R13 -.9571
 SG1 5893.1 SG2 419.3 THA 178.37

ORBIT DETERMINATION ACCURACY

ST 3263.9 SR 443.8 SS 906.8
 CRT -.9377 CRS .8946 CST -.9939
 LSA 3411.5 MSA 182.7 SSA 17.0
 EL1 3290.4 EL2 153.0 ALF 172.72

LAUNCH DATE JUN 25 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 561.833

RL 152.06 LAL .00 LOL 272.77 VL 25.896 GAL 6.17 AZL 93.21 HCA 272.51 SMA 123.46 ECC .25419 INC 3.2145 V1 29.299
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.253 GAP 12.83 AZP 90.14 TAL 161.16 TAP 73.67 RCA 92.07 APO 154.84 V2 35.162
 RC 165.860 GL -17.80 GP 4.25 ZAL 55.12 ZAP 170.81 ETS 25.81 ZAE 127.45 ETE 177.04 ZAC 71.50 ETC 12.03 CLP-171.84

PLANETOCENTRIC CONIC

C3 22.293 VHL 4.722 DLA -31.50 RAL 210.77 RAD 6567.9 VEL 11.986 PTH 2.14 VHP 8.182 DPA 1.35 RAP 195.31 ECC 1.3669
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.60 11 19 47 1282.67 21.00 353.74 81.96 114.03 11 41 10 682.7 24.06 346.16
 104.40 15 6 46 5842.29 21.01 277.80 81.97 114.02 16 44 8 5242.3 24.08 270.21
 75.60 11 19 47 1282.67 21.00 353.74 81.96 114.03 11 41 10 682.7 24.06 346.16
 104.40 15 6 46 5842.29 21.01 277.80 81.97 114.02 16 44 8 5242.3 24.08 270.21
 110.00 14 0 54 759.53 12.01 310.53 76.96 122.25 14 13 34 159.5 16.18 303.91
 110.00 17 24 49 5413.43 30.58 248.86 85.84 106.07 18 55 3 4813.4 32.48 240.15

DIFFERENTIAL CORRECTIONS

TDE-2.4568 TRA 2.6667 TC3-3.6282 BAU 1.0816
 RDE .3702 RRA .0137 RC3 -.0725 FAU .02171
 FDE -.9026 FRA 1.3153 FC3 -.8432 BSP 18871
 BDE 2.4846 BRA 2.6667 BC3 3.6289 FSP -669

MID-COURSE EXECUTION ACCURACY

SGT 5918.6 SGR 454.8 SG3 199.6
 RRT -.3828 RRF -.3815 RTF .9578
 SGB 5936.1 R23 .0141 R13 -.9579
 SG1 5921.2 SG2 420.0 THA 178.31

ORBIT DETERMINATION ACCURACY

ST 3193.0 SR 449.3 SS 870.3
 CRT -.9288 CRS .8836 CST -.9940
 LSA 3334.3 MSA 191.0 SSA 16.5
 EL1 3220.2 EL2 165.1 ALF 172.53

LAUNCH DATE JUN 25 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 567.257

RL 152.06 LAL .00 LOL 272.77 VL 25.857 GAL 6.81 AZL 93.16 HCA 275.74 SMA 123.22 ECC .26084 INC 3.1603 V1 29.299
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.216 GAP 13.34 AZP 90.32 TAL 159.78 TAP 75.52 RCA 91.08 APO 155.37 V2 35.151
 RC 167.829 GL -16.68 GP 4.11 ZAL 52.80 ZAP 171.73 ETS 27.97 ZAE 127.31 ETE 177.14 ZAC 69.35 ETC 11.99 CLP-172.82

PLANETOCENTRIC CONIC

C3 24.318 VHL 4.931 DLA -31.19 RAL 213.56 RAD 6568.0 VEL 12.070 PTH 2.16 VHP 8.474 DPA .30 RAP 197.30 ECC 1.4002
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.34 11 36 7 1287.51 20.22 353.73 86.07 114.27 11 57 35 687.5 23.32 346.21
 103.66 15 12 41 5879.88 20.23 280.27 86.08 114.26 16 50 41 5279.9 23.33 272.74
 76.34 11 36 7 1287.51 20.22 353.73 86.07 114.27 11 57 35 687.5 23.32 346.21
 103.66 15 12 41 5879.88 20.23 280.27 86.08 114.26 16 50 41 5279.9 23.33 272.74
 110.00 14 6 30 798.71 10.58 312.66 80.65 122.70 14 19 48 198.7 14.81 306.12
 110.00 17 41 29 5416.68 30.52 249.09 90.27 106.19 19 11 46 4816.7 32.44 240.39

DIFFERENTIAL CORRECTIONS

TDE-2.4710 TRA 2.9699 TC3-3.3289 BAU 1.0825
 RDE .3901 RRA .0047 RC3 -.0609 FAU .01974
 FDE -.8589 FRA 1.3603 FC3 -.7029 BSP 19002
 BDE 2.5016 BRA 2.9699 BC3 3.3295 FSP -644

MID-COURSE EXECUTION ACCURACY

SGT 5940.8 SGR 457.2 SG3 191.1
 RRT -.3970 RRF -.3946 RTF .9586
 SGB 5958.4 R23 .0132 R13 -.9587
 SG1 5943.6 SG2 419.5 THA 178.24

ORBIT DETERMINATION ACCURACY

ST 3117.1 SR 453.2 SS 835.8
 CRT -.9193 CRS .8719 CST -.9941
 LSA 3252.7 MSA 199.5 SSA 15.9
 EL1 3144.9 EL2 176.8 ALF 172.36

LAUNCH DATE JUN 25 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 572.608

RL 152.06 LAL .00 LOL 272.77 VL 25.818 GAL 7.48 AZL 93.11 HCA 278.97 SMA 123.00 ECC .26804 INC 3.1055 V1 29.299
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.178 GAP 13.88 AZP 90.48 TAL 158.41 TAP 77.38 RCA 90.03 APO 155.96 V2 35.139
 RC 169.783 GL -15.58 GP 3.98 ZAL 50.57 ZAP 172.62 ETS 30.74 ZAE 127.16 ETE 177.23 ZAC 67.19 ETC 11.98 CLP-173.79

PLANETOCENTRIC CONIC

C3 26.654 VHL 5.163 DLA -30.85 RAL 216.22 RAD 6568.1 VEL 12.167 PTH 2.18 VHP 8.784 DPA -.74 RAP 199.31 ECC 1.4387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.22 11 53 0 1290.43 19.38 353.55 90.13 114.48 12 14 30 690.4 22.52 346.09
 102.78 15 17 4 634.19 19.39 305.14 90.13 114.47 15 27 38 34.2 22.53 297.68
 77.22 11 53 0 1290.43 19.38 353.55 90.13 114.48 12 14 30 690.4 22.52 346.09
 102.78 15 17 4 634.19 19.39 305.14 90.13 114.47 15 27 38 34.2 22.53 297.68
 110.00 14 11 13 840.66 9.02 314.92 84.27 123.11 14 25 14 240.7 13.32 308.46
 110.00 17 58 1 5420.00 30.46 249.33 94.66 106.32 19 28 21 4820.0 32.39 240.64

DIFFERENTIAL CORRECTIONS

TDE-2.4822 TRA 3.2912 TC3-3.0324 BAU 1.0807
 RDE .4105 RRA -.0061 RC3 -.0503 FAU .01785
 FDE -.8176 FRA 1.4061 FC3 -.5797 BSP 19110
 BDE 2.5159 BRA 3.2912 BC3 3.0328 FSP -618

MID-COURSE EXECUTION ACCURACY

SGT 5957.6 SGR 458.6 SG3 183.0
 RRT -.4120 RRF -.4083 RTF .9595
 SGB 5975.2 R23 .0120 R13 -.9596
 SG1 5960.6 SG2 417.6 THA 178.17

ORBIT DETERMINATION ACCURACY

ST 3037.5 SR 455.6 SS 803.5
 CRT -.9090 CRS .8596 CST -.9942
 LSA 3168.0 MSA 208.1 SSA 15.4
 EL1 3065.7 EL2 188.2 ALF 172.21

LAUNCH DATE JUN 25 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 577.877

RL 152.06 LAL .00 LOL 272.77 VL 25.779 GAL 8.20 AZL 93.05 HCA 282.19 SMA 122.77 ECC .27586 INC 3.0497 V1 29.299
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.141 GAP 14.45 AZP 90.64 TAL 157.06 TAP 79.26 RCA 88.90 APO 156.64 V2 35.128
 RC 171.722 GL -14.51 GP 3.86 ZAL 48.44 ZAP 173.48 ETS 34.34 ZAE 127.01 ETE 177.30 ZAC 65.03 ETC 12.00 CLP-174.75

PLANETOCENTRIC CONIC

C3 29.347 VHL 5.417 DLA -30.47 RAL 218.76 RAD 6568.2 VEL 12.277 PTH 2.21 VHP 9.116 DPA -1.76 RAP 201.32 ECC 1.4830
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.25 12 10 35 1290.75 18.48 353.14 94.13 114.67 12 32 6 690.8 21.65 345.74
 101.75 15 19 42 681.86 18.49 308.28 94.14 114.66 15 31 4 81.9 21.67 300.88
 78.25 12 10 35 1290.75 18.48 353.14 94.13 114.67 12 32 6 690.8 21.65 345.74
 101.75 15 19 42 681.86 18.49 308.28 94.14 114.66 15 31 4 81.9 21.67 300.88
 110.00 14 15 11 884.88 7.37 317.28 87.81 123.47 14 29 56 284.9 11.72 310.89
 110.00 18 14 16 5423.77 30.39 249.60 99.02 106.47 19 44 40 4823.8 32.34 240.93

DIFFERENTIAL CORRECTIONS

TDE-2.4885 TRA 3.6349 TC3-2.7376 BAU 1.0742
 RDE .4312 RRA -.0186 RC3 -.0410 FAU .01595
 FDE -.7778 FRA 1.4541 FC3 -.4707 BSP 19120
 BDE 2.5256 BRA 3.6349 BC3 2.7379 FSP -591

MID-COURSE EXECUTION ACCURACY

SGT 5968.3 SGR 458.8 SG3 175.4
 RRT -.4275 RRF -.4223 RTF .9605
 SGB 5985.9 R23 .0108 R13 -.9605
 SG1 5971.5 SG2 414.5 THA 178.11

ORBIT DETERMINATION ACCURACY

ST 2953.9 SR 456.1 SS 773.2
 CRT -.8976 CRS .8461 CST -.9942
 LSA 3079.6 MSA 216.8 SSA 14.8
 EL1 2982.3 EL2 199.1 ALF 172.07

LAUNCH DATE JUN 25 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 583.050

RL 152.06 LAL .00 LOL 272.77 VL 25.742 GAL 8.96 AZL 92.99 HCA 285.41 SMA 122.55 ECC .28436 INC 2.9926 V1 29.299
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.103 GAP 15.07 AZP 90.80 TAL 155.73 TAP 81.15 RCA 87.70 APO 157.40 V2 35.116
 RC 173.647 GL -13.47 GP 3.76 ZAL 46.41 ZAP 174.30 ETS 39.12 ZAE 126.86 ETE 177.36 ZAC 62.87 ETC 12.06 CLP-175.71

PLANETOCENTRIC CONIC

C3 32.456 VHL 5.697 DLA -30.07 RAL 221.16 RAD 6568.3 VEL 12.403 PTH 2.24 VHP 9.472 DPA -2.77 RAP 203.34 ECC 1.5341
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.45 12 29 8 1287.50 17.53 352.44 98.06 114.82 12 50 36 687.5 20.73 345.09
 100.55 15 20 18 735.68 17.55 311.84 98.07 114.81 15 32 34 135.7 20.75 304.49
 79.45 12 29 8 1287.50 17.53 352.44 98.06 114.82 12 50 36 687.5 20.73 345.09
 100.55 15 20 18 735.68 17.55 311.84 98.07 114.81 15 32 34 135.7 20.75 304.49
 110.00 14 18 31 930.93 5.64 319.71 91.27 123.77 14 34 2 330.9 10.03 313.39
 110.00 18 30 7 5428.28 30.30 249.92 103.34 106.64 20 0 35 4828.3 32.28 241.26

DIFFERENTIAL CORRECTIONS

TDE-2.4984 TRA 3.9946 TC3-2.4585 BAU 1.0668
 RDE .4525 RRA -.0327 RC3 -.0326 FAU .01422
 FDE -.7434 FRA 1.5014 FC3 -.3793 BSP 19218
 BDE 2.5390 BRA 3.9947 BC3 2.4587 FSP -569

MID-COURSE EXECUTION ACCURACY

SGT 5975.6 SGR 458.2 SG3 168.2
 RRT -.4441 RRF -.4378 RTF .9618
 SGB 5993.2 R23 .0097 R13 -.9618
 SG1 5979.1 SG2 410.3 THA 178.04

ORBIT DETERMINATION ACCURACY

ST 2874.0 SR 455.2 SS 747.0
 CRT -.8861 CRS .8332 CST -.9944
 LSA 2995.8 MSA 224.6 SSA 14.3
 EL1 2902.3 EL2 209.0 ALF 171.97

LAUNCH DATE JUN 25 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 17 1968

HELIOCENTRIC CONIC

DISTANCE 588.112

RL 152.06 LAL .00 LOL 272.77 VL 25.704 GAL 9.78 AZL 92.93 HCA 288.63 SMA 122.33 ECC .29362 INC 2.9337 V1 29.299
 RP 107.96 LAP 2.78 LOP 201.43 VP 37.065 GAP 15.72 AZP 90.94 TAL 154.43 TAP 83.06 RCA 86.41 APO 158.25 V2 35.103
 RC 175.555 GL -12.47 GP 3.66 ZAL 44.48 ZAP 175.06 ETS 45.56 ZAE 126.69 ETE 177.42 ZAC 60.71 ETC 12.15 CLP-176.68

PLANETOCENTRIC CONIC

C3 36.047 VHL 6.004 OLA -29.63 RAL 223.43 RAD 6568.4 VEL 12.547 PTH 2.27 VHP 9.856 DPA -3.75 RAP 205.37 ECC 1.5932
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.88 12 49 4 1279.21 16.54 351.34 101.93 114.94 13 10 24 679.2 19.77 344.05
 99.12 15 18 28 796.93 16.56 315.91 101.94 114.93 15 31 45 196.9 19.78 308.62
 100.00 14 52 8 881.16 13.53 320.64 100.41 116.91 15 6 49 281.2 17.03 313.60
 100.00 15 58 6 670.21 19.62 307.94 103.37 113.02 16 9 16 70.2 22.57 300.38
 110.00 14 21 16 978.47 3.83 322.21 94.66 123.99 14 37 35 378.5 8.27 315.93
 110.00 18 45 27 5433.71 30.19 250.31 107.59 106.85 20 16 0 4833.7 32.20 241.67

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5074 TRA 4.3768 TC3-2.1896 BAU 1.0553 SGT 5977.5 SGR 456.5 SG3 161.4 ST 2794.6 SR 452.6 SS 723.6
 RDE .4739 RRA -.0486 RC3 -.0255 FAU .01253 RRT -.4611 RRF -.4538 RTF .9632 CRT -.8739 CRS .8199 CST -.9946
 FDE -.7116 FRA 1.5505 FC3 -.3009 BSP 19287 SGB 5994.9 R23 .0086 R13 -.9632 LSA 2912.8 MSA 231.7 SSA 13.8
 BDE 2.5518 BRA 4.3771 BC3 2.1898 FSP -547 SG1 5981.2 SG2 404.8 THA 177.97 EL1 2822.7 EL2 217.8 ALF 171.90

LAUNCH DATE JUN 25 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 19 1968

HELIOCENTRIC CONIC

DISTANCE 593.046

RL 152.06 LAL .00 LOL 272.77 VL 25.667 GAL 10.66 AZL 92.87 HCA 291.85 SMA 122.12 ECC .30374 INC 2.8726 V1 29.299
 RP 107.99 LAP 2.67 LOP 204.65 VP 37.027 GAP 16.42 AZP 91.07 TAL 153.15 TAP 85.01 RCA 85.03 APO 159.21 V2 35.091
 RC 177.448 GL -11.50 GP 3.57 ZAL 42.66 ZAP 175.73 ETS 54.35 ZAE 126.51 ETE 177.46 ZAC 58.56 ETC 12.29 CLP-177.65

PLANETOCENTRIC CONIC

C3 40.206 VHL 6.341 OLA -29.18 RAL 225.56 RAD 6568.5 VEL 12.711 PTH 2.31 VHP 10.271 DPA -4.72 RAP 207.40 ECC 1.6617
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.63 13 11 20 1262.67 15.52 349.62 105.72 115.03 13 32 23 662.7 18.77 342.39
 97.37 15 13 13 868.64 15.54 320.72 105.73 115.02 15 27 42 268.6 18.78 313.48
 100.00 14 39 0 978.47 10.46 326.24 103.13 118.16 14 55 18 378.5 14.15 319.39
 100.00 16 28 15 628.07 20.72 305.29 108.10 112.04 16 38 43 28.1 23.53 297.62
 110.00 14 23 31 1027.18 1.97 324.76 97.97 124.13 14 40 39 427.2 6.44 318.52
 110.00 19 0 12 5440.17 30.06 250.76 111.78 107.09 20 30 52 4840.2 32.11 242.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5173 TRA 4.7832 TC3-1.9341 BAU 1.0396 SGT 5974.7 SGR 453.7 SG3 155.0 ST 2717.5 SR 448.3 SS 703.5
 RDE .4956 RRA -.0663 RC3 -.0196 FAU .01089 RRT -.4786 RRF -.4703 RTF .9648 CRT -.8612 CRS .8066 CST -.9949
 FDE -.6831 FRA 1.6018 FC3 -.2345 BSP 19348 SGB 5991.9 R23 .0074 R13 -.9648 LSA 2832.7 MSA 237.8 SSA 13.3
 BDE 2.5656 BRA 4.7836 BC3 1.9342 FSP -526 SG1 5978.7 SG2 398.1 THA 177.91 EL1 2745.0 EL2 225.6 ALF 171.86

LAUNCH DATE JUN 25 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 21 1968

HELIOCENTRIC CONIC

DISTANCE 597.830

RL 152.06 LAL .00 LOL 272.77 VL 25.630 GAL 11.60 AZL 92.81 HCA 295.07 SMA 121.91 ECC .31481 INC 2.8087 V1 29.299
 RP 108.03 LAP 2.54 LOP 207.87 VP 36.990 GAP 17.18 AZP 91.19 TAL 151.92 TAP 86.98 RCA 83.53 APO 160.28 V2 35.078
 RC 179.325 GL -10.56 GP 3.48 ZAL 40.94 ZAP 176.26 ETS 66.22 ZAE 126.32 ETE 177.51 ZAC 56.43 ETC 12.46 CLP-178.63

PLANETOCENTRIC CONIC

C3 45.033 VHL 6.711 OLA -28.72 RAL 227.56 RAD 6568.7 VEL 12.900 PTH 2.35 VHP 10.720 DPA -5.66 RAP 209.43 ECC 1.7411
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.01 13 38 35 1229.10 14.47 346.64 109.44 115.08 13 59 4 629.1 17.73 339.46
 94.99 15 1 54 959.36 14.49 326.89 109.44 115.07 15 17 53 359.4 17.75 319.70
 100.00 14 31 17 1058.05 7.87 330.72 106.01 118.93 14 48 55 458.0 11.67 324.00
 100.00 16 51 54 605.65 21.29 303.87 112.52 111.50 17 1 52 5.7 24.02 296.14
 110.00 14 25 19 1076.81 .08 327.35 101.22 124.18 14 43 16 476.8 4.56 321.13
 110.00 19 14 21 5447.70 29.91 251.30 115.89 107.37 20 45 9 4847.7 32.00 242.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5248 TRA 5.2204 TC3-1.6883 BAU 1.0165 SGT 5967.5 SGR 449.8 SG3 149.0 ST 2641.3 SR 442.2 SS 685.7
 RDE .5171 RRA -.0860 RC3 -.0151 FAU .00921 RRT -.4961 RRF -.4868 RTF .9665 CRT -.8476 CRS .7925 CST -.9952
 FDE -.6559 FRA 1.6573 FC3 -.1770 BSP 19291 SGB 5984.4 R23 .0061 R13 -.9666 LSA 2753.6 MSA 243.3 SSA 12.8
 BDE 2.5772 BRA 5.2211 BC3 1.6883 FSP -503 SG1 5971.7 SG2 390.3 THA 177.85 EL1 2667.9 EL2 232.3 ALF 171.86

LAUNCH DATE JUN 25 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 23 1968

HELIOCENTRIC CONIC

DISTANCE 602.436

RL 152.06 LAL .00 LOL 272.77 VL 25.595 GAL 12.61 AZL 92.74 HCA 298.28 SMA 121.70 ECC .32698 INC 2.7415 V1 29.299
 RP 108.07 LAP 2.41 LOP 211.08 VP 36.953 GAP 18.01 AZP 91.30 TAL 150.72 TAP 89.00 RCA 81.91 APO 161.49 V2 35.065
 RC 181.185 GL -9.66 GP 3.41 ZAL 39.34 ZAP 176.57 ETS 81.40 ZAE 126.10 ETE 177.54 ZAC 54.31 ETC 12.68 CLP-179.63

PLANETOCENTRIC CONIC

C3 50.654 VHL 7.117 OLA -28.24 RAL 229.42 RAD 6568.9 VEL 13.115 PTH 2.39 VHP 11.210 DPA -6.58 RAP 211.46 ECC 1.8336
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 14 8 55 1184.50 11.66 342.00 112.21 115.99 14 28 39 584.5 15.06 334.97
 90.00 14 46 25 1062.84 15.17 334.80 113.90 114.20 15 4 8 462.8 18.32 327.53
 100.00 14 25 38 1130.40 5.47 334.75 108.92 119.43 14 44 28 530.4 9.35 328.11
 100.00 17 12 24 5880.21 21.62 280.91 116.74 111.16 18 50 24 5280.2 24.30 273.14
 110.00 14 26 40 1127.12 -1.85 329.97 104.39 124.14 14 45 27 527.1 2.64 323.77
 110.00 19 27 51 5456.25 29.74 251.90 119.91 107.69 20 58 47 4856.3 31.87 243.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5391 TRA 5.6821 TC3-1.4615 BAU .9898 SGT 5955.3 SGR 445.0 SG3 143.3 ST 2570.7 SR 434.7 SS 671.9
 RDE .5388 RRA -.1074 RC3 -.0114 FAU .00764 RRT -.5141 RRF -.5042 RTF .9686 CRT -.8343 CRS .7797 CST -.9955
 FDE -.6337 FRA 1.7144 FC3 -.1306 BSP 19327 SGB 5971.9 R23 .0049 R13 -.9686 LSA 2681.0 MSA 247.0 SSA 12.3
 BDE 2.5956 BRA 5.6831 BC3 1.4616 FSP -484 SG1 5959.7 SG2 381.4 THA 177.79 EL1 2596.4 EL2 237.3 ALF 171.90

LAUNCH DATE JUN 25 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 25 1968

HELIOCENTRIC CONIC

DISTANCE 606.829

RL 152.06 LAL .00 LOL 272.77 VL 25.559 GAL 13.71 AZL 92.67 HCA 301.49 SMA 121.50 ECC .34037 INC 2.6701 V1 29.299
 RP 108.11 LAP 2.28 LOP 214.29 VP 36.916 GAP 18.91 AZP 91.40 TAL 149.58 TAP 91.07 RCA 80.15 APO 162.86 V2 35.052
 RC 183.028 GL -8.80 GP 3.34 ZAL 37.84 ZAP 176.60 ETS 98.54 ZAE 125.85 ETE 177.58 ZAC 52.22 ETC 12.94 CLP 179.35

PLANETOCENTRIC CONIC

C3 57.225 VHL 7.565 OLA -27.75 RAL 231.14 RAD 6569.0 VEL 13.363 PTH 2.44 VHP 11.746 DPA -7.47 RAP 213.47 ECC 1.9418
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 44 37 1316.30 7.62 349.58 114.25 117.35 14 6 33 716.3 11.23 342.76
 90.00 15 24 30 991.34 17.12 330.45 118.80 112.91 15 41 1 391.3 20.08 323.02
 100.00 14 21 0 1198.65 3.18 338.52 111.82 119.74 14 40 59 598.7 7.11 331.94
 100.00 17 30 47 5872.26 21.81 280.40 120.80 110.96 19 8 39 5272.3 24.47 272.61
 110.00 14 27 36 1177.91 -3.79 332.63 107.49 124.00 14 47 14 577.9 .70 326.42
 110.00 19 40 40 5465.77 29.54 252.57 123.84 108.04 21 11 46 4865.8 31.72 244.04

DIFFERENTIAL CORRECTIONS

TDE-2.5566 TRA 6.1781 TC3-1.2497 BAU .9561
 RDE .5604 RRA -.1307 RC3 -.0087 FAU .00607
 FDE -.6145 FRA 1.7757 FC3 -.0919 BSP 19357
 BDE 2.6173 BRA 6.1795 BC3 1.2497 FSP -466

MID-COURSE EXECUTION ACCURACY

SGT 5939.6 SGR 439.1 SG3 137.8
 RRT -.5323 RRF -.5220 RTF .9707
 SGB 5955.9 R23 .0039 R13 -.9708
 SG1 5944.3 SG2 371.5 THA 177.74

ORBIT DETERMINATION ACCURACY

ST 2503.7 SR 425.8 SS 661.2
 CRT -.8209 CRS .7673 CST -.9959
 LSA 2612.4 MSA 249.4 SSA 11.9
 EL1 2528.2 EL2 240.8 ALF 171.98

LAUNCH DATE JUN 25 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 27 1968

HELIOCENTRIC CONIC

DISTANCE 610.969

RL 152.06 LAL .00 LOL 272.77 VL 25.525 GAL 14.90 AZL 92.59 HCA 304.70 SMA 121.31 ECC .35517 INC 2.5936 V1 29.299
 RP 108.16 LAP 2.13 LOP 217.50 VP 36.880 GAP 19.89 AZP 91.48 TAL 148.51 TAP 93.21 RCA 78.22 APO 164.39 V2 35.039
 RC 184.853 GL -7.96 GP 3.27 ZAL 36.47 ZAP 176.31 ETS 114.87 ZAE 125.57 ETE 177.61 ZAC 50.16 ETC 13.25 CLP 178.30

PLANETOCENTRIC CONIC

C3 64.941 VHL 8.059 OLA -27.24 RAL 232.73 RAD 6569.2 VEL 13.649 PTH 2.49 VHP 12.336 DPA -8.33 RAP 215.47 ECC 2.0688
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 32 32 1407.58 4.73 354.73 116.75 117.95 13 56 0 807.6 8.44 348.01
 90.00 15 49 14 961.48 17.90 328.61 123.03 112.31 16 5 16 361.5 20.77 321.11
 100.00 14 16 56 1264.15 .96 342.12 114.67 119.88 14 38 0 664.1 4.93 335.58
 100.00 17 47 32 5868.18 21.91 280.14 124.72 110.86 19 25 20 5268.2 24.55 272.34
 110.00 14 28 7 1228.99 -5.72 335.31 110.52 123.76 14 48 36 629.0 -1.25 329.08
 110.00 19 52 49 5476.10 29.32 253.30 127.65 108.42 21 24 5 4876.1 31.55 244.80

DIFFERENTIAL CORRECTIONS

TDE-2.5795 TRA 6.7078 TC3-1.0524 BAU .9137
 RDE .5818 RRA -.1559 RC3 -.0070 FAU .00449
 FDE -.5984 FRA 1.8420 FC3 -.0599 BSP 19375
 BDE 2.6443 BRA 6.7096 BC3 1.0524 FSP -449

MID-COURSE EXECUTION ACCURACY

SGT 5917.4 SGR 432.2 SG3 132.7
 RRT -.5506 RRF -.5399 RTF .9730
 SGB 5933.2 R23 .0026 R13 -.9730
 SG1 5922.2 SG2 360.5 THA 177.69

ORBIT DETERMINATION ACCURACY

ST 2440.5 SR 415.4 SS 653.8
 CRT -.8078 CRS .7556 CST -.9963
 LSA 2548.2 MSA 250.2 SSA 11.4
 EL1 2463.7 EL2 242.5 ALF 172.09

LAUNCH DATE JUN 25 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 29 1968

HELIOCENTRIC CONIC

DISTANCE 614.802

RL 152.06 LAL .00 LOL 272.77 VL 25.492 GAL 16.21 AZL 92.51 HCA 307.90 SMA 121.12 ECC .37156 INC 2.5111 V1 29.299
 RP 108.20 LAP 1.98 LOP 220.70 VP 36.844 GAP 20.98 AZP 91.54 TAL 147.52 TAP 95.42 RCA 76.11 APO 166.12 V2 35.025
 RC 186.660 GL -7.16 GP 3.21 ZAL 35.21 ZAP 175.75 ETS 128.26 ZAE 125.25 ETE 177.64 ZAC 48.14 ETC 13.60 CLP 177.22

PLANETOCENTRIC CONIC

C3 74.047 VHL 8.605 OLA -26.74 RAL 234.18 RAD 6569.4 VEL 13.978 PTH 2.55 VHP 12.987 DPA -9.16 RAP 217.44 ECC 2.2186
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 23 43 1487.12 2.18 359.19 119.33 118.24 13 48 30 887.1 5.94 352.52
 90.00 16 9 36 944.10 18.35 327.53 126.99 111.95 16 25 20 344.1 21.17 319.99
 100.00 14 13 6 1327.58 -1.19 345.60 117.45 119.87 14 35 14 727.6 2.79 339.07
 100.00 18 2 54 5866.91 21.94 280.06 128.49 110.82 19 40 41 5266.9 24.58 272.25
 110.00 14 28 13 1280.17 -7.65 338.02 113.46 123.42 14 49 33 680.2 -3.20 331.76
 110.00 20 4 17 5487.08 29.08 254.06 131.33 108.81 21 35 44 4887.1 31.37 245.60

DIFFERENTIAL CORRECTIONS

TDE-2.6081 TRA 7.2801 TC3 -.8698 BAU .8610
 RDE .6031 RRA -.1829 RC3 -.0060 FAU .00287
 FDE -.5854 FRA 1.9143 FC3 -.0336 BSP 19364
 BDE 2.6769 BRA 7.2824 BC3 .8698 FSP -433

MID-COURSE EXECUTION ACCURACY

SGT 5892.0 SGR 424.2 SG3 127.9
 RRT -.5689 RRF -.5581 RTF .9755
 SGB 5907.3 R23 .0015 R13 -.9755
 SG1 5897.0 SG2 348.6 THA 177.65

ORBIT DETERMINATION ACCURACY

ST 2381.0 SR 403.6 SS 649.7
 CRT -.7949 CRS .7447 CST -.9968
 LSA 2488.3 MSA 249.5 SSA 10.9
 EL1 2402.7 EL2 242.7 ALF 172.25

LAUNCH DATE JUN 25 1967

FLIGHT TIME 220.00

ARRIVAL DATE JAN 31 1968

HELIOCENTRIC CONIC

DISTANCE 618.260

RL 152.06 LAL .00 LOL 272.77 VL 25.459 GAL 17.64 AZL 92.42 HCA 311.11 SMA 120.94 ECC .38979 INC 2.4211 V1 29.299
 RP 108.24 LAP 1.82 LOP 223.91 VP 36.809 GAP 22.18 AZP 91.59 TAL 146.63 TAP 97.73 RCA 73.80 APO 168.08 V2 35.012
 RC 188.449 GL -6.39 GP 3.16 ZAL 34.07 ZAP 174.97 ETS 138.38 ZAE 124.88 ETE 177.67 ZAC 46.17 ETC 14.01 CLP 176.09

PLANETOCENTRIC CONIC

C3 84.857 VHL 9.212 OLA -26.22 RAL 235.48 RAD 6569.7 VEL 14.360 PTH 2.61 VHP 13.710 DPA -9.95 RAP 219.39 ECC 2.3965
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 16 23 1560.37 -.18 3.27 121.88 118.32 13 42 24 960.4 3.61 356.64
 90.00 16 27 20 933.37 18.62 326.86 130.72 111.73 16 42 54 333.4 21.41 319.29
 100.00 14 9 21 1389.32 -3.28 348.99 120.16 119.73 14 32 30 789.3 .70 342.46
 100.00 18 17 4 5867.69 21.93 280.11 132.09 110.84 19 54 51 5267.7 24.56 272.30
 110.00 14 27 51 1331.28 -9.56 340.75 116.32 122.98 14 50 2 731.3 -5.15 334.44
 110.00 20 15 3 5498.50 28.83 254.85 134.87 109.22 21 46 42 4898.5 31.17 246.44

DIFFERENTIAL CORRECTIONS

TDE-2.6408 TRA 7.9022 TC3 -.6998 BAU .7939
 RDE .6240 RRA -.2119 RC3 -.0058 FAU .00113
 FDE -.5747 FRA 1.9948 FC3 -.0115 BSP 19257
 BDE 2.7135 BRA 7.9050 BC3 .6998 FSP -415

MID-COURSE EXECUTION ACCURACY

SGT 5863.2 SGR 415.1 SG3 123.4
 RRT -.5870 RRF -.5762 RTF .9780
 SGB 5877.9 R23 .0003 R13 -.9780
 SG1 5868.3 SG2 335.8 THA 177.61

ORBIT DETERMINATION ACCURACY

ST 2324.0 SR 390.6 SS 648.7
 CRT -.7821 CRS .7341 CST -.9972
 LSA 2431.7 MSA 247.4 SSA 10.4
 EL1 2344.2 EL2 241.3 ALF 172.43

LAUNCH DATE JUN 26 1967

FLIGHT TIME 70.00

ARRIVAL DATE SEP 4 1967

HELIOCENTRIC CONIC

DISTANCE 167.992

RL 152.07 LAL .00 LOL 273.73 VL 24.016 GAL -3.30 AZL 93.60 HCA 70.25 SMA 113.56 ECC .34342 INC 3.6033 V1 29.298
 RP 108.83 LAP -3.39 LOP 343.94 VP 35.642 GAP -19.95 AZP 91.22 TAL 186.35 TAP 256.60 RCA 74.56 APO 152.55 V2 34.822
 RC 43.312 GL -15.16 GP -2.97 ZAL 104.65 ZAP 6.95 ETS 154.58 ZAE 160.44 ETE 27.66 ZAC 95.74 ETC 13.78 CLP 6.28

PLANETOCENTRIC CONIC

C3 33.218 VHL 5.764 DLA -9.41 RAL 163.51 RAD 6568.3 VEL 12.433 PTH 2.25 VHP 12.121 DPA 4.26 RAP 171.18 ECC 1.5467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 13 19 2043.16 -15.07 30.91 31.42 114.26 5 47 22 1443.2 -11.67 23.88
 90.00 14 48 22 5279.76 27.07 238.90 37.09 81.34 16 16 22 4679.8 25.59 230.54
 100.00 6 30 2 1795.63 -16.29 12.12 30.84 115.41 6 59 58 1195.6 -12.74 5.14
 100.00 16 14 19 5002.52 28.39 218.27 36.85 80.23 17 37 42 4402.5 26.75 209.85
 110.00 7 27 46 1614.83 -19.52 356.68 29.11 118.63 7 54 41 1014.8 -15.55 349.81
 110.00 17 33 5 4756.09 31.94 198.73 36.03 77.13 18 52 21 4156.1 29.84 190.15

DIFFERENTIAL CORRECTIONS

TDE .3575 TRA -.6103 TC3 .2249 BAU .1071
 RDE -.3891 RRA -.1521 RC3 .0874 FAU .02339
 FDE -.3028 FRA .1672 FC3 -.6095 BSP 2018
 BDE .5284 BRA .6290 BC3 .2413 FSP -154

MID-COURSE EXECUTION ACCURACY

SGT 756.1 SGR 428.1 SG3 67.6
 RRT -.0527 RRF .0591 RTF -.6635
 SGB 868.9 R23 -.0077 R13 .6639
 SG1 756.6 SG2 427.2 THA 177.49

ORBIT DETERMINATION ACCURACY

ST 400.5 SR 389.5 SS 320.4
 CRT -.8266 CRS -.9569 CST .9505
 LSA 622.4 MSA 164.5 SSA 17.4
 EL1 533.9 EL2 164.4 ALF 135.96

LAUNCH DATE JUN 26 1967

FLIGHT TIME 72.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 174.680

RL 152.07 LAL .00 LOL 273.73 VL 24.341 GAL -3.34 AZL 93.54 HCA 73.42 SMA 115.10 ECC .32585 INC 3.5413 V1 29.298
 RP 108.80 LAP -3.39 LOP 347.11 VP 35.869 GAP -18.77 AZP 91.01 TAL 186.97 TAP 260.39 RCA 77.60 APO 152.61 V2 34.830
 RC 43.796 GL -15.92 GP -3.13 ZAL 105.86 ZAP 5.38 ETS 144.23 ZAE 158.42 ETE 24.26 ZAC 94.55 ETC 13.73 CLP 4.38

PLANETOCENTRIC CONIC

C3 29.936 VHL 5.471 DLA -9.62 RAL 162.02 RAD 6568.2 VEL 12.301 PTH 2.22 VHP 11.450 DPA 3.61 RAP 172.28 ECC 1.4927
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 9 0 2010.38 -14.15 28.95 28.24 114.79 5 42 30 1410.4 -10.69 21.98
 90.00 14 40 48 5260.22 26.86 237.51 33.72 80.68 16 8 28 4660.2 25.29 229.19
 100.00 6 25 36 1763.21 -15.34 10.19 27.66 115.98 6 55 0 1163.2 -11.72 3.27
 100.00 16 6 52 4982.62 28.15 216.84 33.47 79.52 17 29 55 4382.6 26.42 208.46
 110.00 7 23 6 1583.19 -18.48 354.82 25.94 119.28 7 49 29 983.2 -14.43 348.03
 110.00 17 25 52 4735.40 31.62 197.21 32.61 76.28 18 44 48 4135.4 29.41 188.70

DIFFERENTIAL CORRECTIONS

TDE .3591 TRA -.5825 TC3 .2809 BAU .1185
 RDE -.3719 RRA -.1430 RC3 .0936 FAU .02492
 FDE -.3223 FRA .1521 FC3 -.7207 BSP 2141
 BDE .5170 BRA .5998 BC3 .2961 FSP -175

MID-COURSE EXECUTION ACCURACY

SGT 786.5 SGR 430.4 SG3 75.4
 RRT -.0621 RRF .0696 RTF -.6835
 SGB 896.6 R23 -.0091 R13 .6840
 SG1 787.2 SG2 429.2 THA 177.23

ORBIT DETERMINATION ACCURACY

ST 419.5 SR 392.1 SS 338.1
 CRT -.8388 CRS -.9637 CST .9495
 LSA 645.8 MSA 163.1 SSA 18.2
 EL1 550.7 EL2 162.6 ALF 137.30

LAUNCH DATE JUN 26 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 181.389

RL 152.07 LAL .00 LOL 273.73 VL 24.638 GAL -3.41 AZL 93.48 HCA 76.59 SMA 116.58 ECC .30965 INC 3.4813 V1 29.298
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.079 GAP -17.64 AZP 90.81 TAL 187.66 TAP 264.24 RCA 80.48 APO 152.67 V2 34.838
 RC 44.440 GL -16.66 GP -3.31 ZAL 107.18 ZAP 4.11 ETS 126.15 ZAE 156.49 ETE 21.41 ZAC 93.39 ETC 13.70 CLP 2.45

PLANETOCENTRIC CONIC

C3 27.143 VHL 5.210 DLA -9.75 RAL 160.43 RAD 6568.1 VEL 12.187 PTH 2.19 VHP 10.810 DPA 2.95 RAP 173.34 ECC 1.4467
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 42 1981.63 -13.32 27.24 25.09 115.22 5 36 44 1381.6 -9.81 20.32
 90.00 14 33 24 5240.07 26.63 236.08 30.35 79.99 16 0 44 4640.1 24.98 227.80
 100.00 6 20 15 1734.70 -14.48 8.51 24.52 116.44 6 49 10 1134.7 -10.81 1.64
 100.00 15 59 32 4962.23 27.89 215.38 30.09 78.79 17 22 15 4362.2 26.06 207.05
 110.00 7 17 34 1555.18 -17.54 353.19 22.82 119.82 7 43 30 955.2 -13.44 346.48
 110.00 17 18 42 4714.51 31.27 195.68 29.20 75.44 18 37 17 4114.5 28.96 187.24

DIFFERENTIAL CORRECTIONS

TDE .3601 TRA -.5546 TC3 .3425 BAU .1294
 RDE -.3562 RRA -.1345 RC3 .0988 FAU .02663
 FDE -.3429 FRA .1342 FC3 -.8495 BSP 2255
 BDE .5065 BRA .5707 BC3 .3565 FSP -199

MID-COURSE EXECUTION ACCURACY

SGT 816.8 SGR 432.0 SG3 84.1
 RRT -.0724 RRF .0812 RTF -.7015
 SGB 924.0 R23 -.0109 R13 .7021
 SG1 817.6 SG2 430.4 THA 176.97

ORBIT DETERMINATION ACCURACY

ST 437.5 SR 394.4 SS 355.5
 CRT -.8506 CRS -.9700 CST .9484
 LSA 668.5 MSA 161.5 SSA 19.0
 EL1 566.8 EL2 160.0 ALF 138.49

LAUNCH DATE JUN 26 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 188.112

RL 152.07 LAL .00 LOL 273.73 VL 24.911 GAL -3.48 AZL 93.42 HCA 79.76 SMA 117.97 ECC .29477 INC 3.4229 V1 29.298
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.274 GAP -16.56 AZP 90.61 TAL 188.40 TAP 268.16 RCA 83.20 APO 152.75 V2 34.846
 RC 45.237 GL -17.35 GP -3.50 ZAL 108.60 ZAP 3.53 ETS 97.19 ZAE 154.67 ETE 18.97 ZAC 92.28 ETC 13.67 CLP .47

PLANETOCENTRIC CONIC

C3 24.770 VHL 4.977 DLA -9.81 RAL 158.76 RAD 6568.0 VEL 12.089 PTH 2.16 VHP 10.201 DPA 2.29 RAP 174.36 ECC 1.4077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 57 31 1957.09 -12.60 25.80 21.99 115.57 5 30 8 1357.1 -9.06 18.91
 90.00 14 26 15 5219.35 26.37 234.61 27.01 79.30 15 53 15 4619.4 24.63 226.38
 100.00 6 14 1 1710.26 -13.73 7.08 21.42 116.81 6 42 31 1110.3 -10.03 .25
 100.00 15 52 26 4941.41 27.61 213.89 26.74 78.06 17 14 47 4341.4 25.68 205.62
 110.00 7 11 16 1530.97 -16.71 351.80 19.74 120.26 7 36 47 931.0 -12.57 345.14
 110.00 17 11 40 4693.47 30.90 194.15 25.82 74.60 18 29 54 4093.5 28.48 185.79

DIFFERENTIAL CORRECTIONS

TDE .3611 TRA -.5260 TC3 .4097 BAU .1399
 RDE -.3420 RRA -.1267 RC3 .1025 FAU .02858
 FDE -.3656 FRA .1125 FC3 -.9988 BSP 2367
 BDE .4974 BRA .5410 BC3 .4224 FSP -227

MID-COURSE EXECUTION ACCURACY

SGT 846.6 SGR 432.8 SG3 94.0
 RRT -.0849 RRF .0953 RTF -.7181
 SGB 950.8 R23 -.0131 R13 .7188
 SG1 847.7 SG2 430.7 THA 176.65

ORBIT DETERMINATION ACCURACY

ST 455.0 SR 396.2 SS 373.5
 CRT -.8624 CRS -.9759 CST .9472
 LSA 691.1 MSA 159.4 SSA 19.9
 EL1 582.6 EL2 156.6 ALF 139.57

LAUNCH DATE JUN 26 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 194.847

RL 152.07 LAL .00 LOL 273.73 VL 25.159 GAL -3.56 AZL 93.37 HCA 82.93 SMA 119.29 ECC .28115 INC 3.3656 V1 29.298
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.454 GAP -15.54 AZP 90.41 TAL 189.21 TAP 272.14 RCA 85.75 APO 152.83 V2 34.856
 RC 46.178 GL -18.00 GP -3.72 ZAL 110.09 ZAP 4.03 ETS 66.78 ZAE 153.01 ETE 16.84 ZAC 91.23 ETC 13.66 CLP -1.56

PLANETOCENTRIC CONIC

C3 22.756 VHL 4.770 DLA -9.79 RAL 157.03 RAD 6567.9 VEL 12.006 PTH 2.14 VHP 9.619 DPA 1.63 RAP 175.32 ECC 1.3745
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 50 29 1936.83 -12.01 24.61 18.96 115.84 5 22 46 1336.8 -8.43 17.75
 90.00 14 19 28 5198.11 26.10 233.12 23.73 78.60 15 46 6 4598.1 24.26 224.93
 100.00 6 7 0 1689.97 -13.11 5.90 18.40 117.11 6 35 10 1090.0 -9.37 359.10
 100.00 15 45 38 4920.20 27.30 212.39 23.44 77.33 17 7 39 4320.2 25.28 204.17
 110.00 7 4 16 1510.63 -16.01 350.64 16.74 120.61 7 29 27 910.6 -11.83 344.03
 110.00 17 4 51 4672.31 30.51 192.63 22.50 73.78 18 22 44 4072.3 27.99 184.34

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3622 TRA -.4966 TC3 .4844 BAU .1507 SGT 877.1 SGR 432.9 SG3 105.1 ST 471.6 SR 397.7 SS 391.2
 RDE -.3291 RRA -.1197 RC3 .1043 FAU .03077 RRT -.0992 RRF .1112 RTF -.7354 CRT -.8742 CRS -.9811 CST .9461
 FDE -.3900 FRA .0871 FC3-1.1708 BSP 2493 SGB 978.1 R23 -.0152 R13 .7363 LSA 713.1 MSA 157.0 SSA 20.8
 BOE .4894 BRA .5109 BC3 .4955 FSP -258 SG1 878.4 SG2 430.1 THA 176.31 EL1 597.8 EL2 152.3 ALF 140.54

LAUNCH DATE JUN 26 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC

DISTANCE 201.588

RL 152.07 LAL .00 LOL 273.73 VL 25.386 GAL -3.65 AZL 93.31 HCA 86.11 SMA 120.53 ECC .26873 INC 3.3090 V1 29.298
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.620 GAP -14.56 AZP 90.23 TAL 190.06 TAP 276.17 RCA 88.14 APO 152.93 V2 34.865
 RC 47.255 GL -18.59 GP -3.96 ZAL 111.65 ZAP 5.38 ETS 46.83 ZAE 151.53 ETE 14.95 ZAC 90.23 ETC 13.67 CLP -3.64

PLANETOCENTRIC CONIC

C3 21.048 VHL 4.588 DLA -9.70 RAL 155.26 RAD 6567.9 VEL 11.934 PTH 2.12 VHP 9.065 DPA .97 RAP 176.22 ECC 1.3464
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 42 44 1920.83 -11.53 23.68 16.01 116.04 5 14 45 1320.8 -7.94 16.84
 90.00 14 13 8 5176.39 25.80 231.60 20.53 77.90 15 39 24 4576.4 23.87 223.46
 100.00 5 59 18 1673.82 -12.60 4.96 15.46 117.33 6 27 12 1073.8 -8.84 358.19
 100.00 15 39 15 4898.64 26.97 210.88 20.23 76.59 17 0 54 4298.6 24.86 202.71
 110.00 6 56 41 1494.14 -15.44 349.70 13.84 120.88 7 21 35 894.1 -11.23 343.13
 110.00 16 58 21 4651.09 30.10 191.11 19.27 72.97 18 15 52 4051.1 27.47 182.90

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3623 TRA -.4674 TC3 .5615 BAU .1607 SGT 906.0 SGR 432.4 SG3 117.6 ST 486.4 SR 398.9 SS 409.0
 RDE -.3176 RRA -.1135 RC3 .1037 FAU .03327 RRT -.1156 RRF .1300 RTF -.7502 CRT -.8852 CRS -.9857 CST .9446
 FDE -.4166 FRA .0570 FC3-1.3685 BSP 2612 SGB 1003.9 R23 -.0184 R13 .7512 LSA 733.8 MSA 154.8 SSA 21.7
 BOE .4818 BRA .4810 BC3 .5710 FSP -295 SG1 907.8 SG2 428.7 THA 175.93 EL1 611.5 EL2 147.6 ALF 141.35

LAUNCH DATE JUN 26 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC

DISTANCE 208.332

RL 152.07 LAL .00 LOL 273.73 VL 25.592 GAL -3.75 AZL 93.25 HCA 89.28 SMA 121.70 ECC .25744 INC 3.2529 V1 29.298
 RP 108.66 LAP -3.25 LOP 361.72 VP 36.772 GAP -13.62 AZP 90.04 TAL 190.95 TAP 280.24 RCA 90.37 APO 153.03 V2 34.875
 RC 48.458 GL -19.11 GP -4.24 ZAL 113.24 ZAP 7.16 ETS 35.45 ZAE 150.25 ETE 13.23 ZAC 89.30 ETC 13.68 CLP -5.78

PLANETOCENTRIC CONIC

C3 19.601 VHL 4.427 DLA -9.55 RAL 153.49 RAD 6567.8 VEL 11.874 PTH 2.11 VHP 8.538 DPA .30 RAP 177.04 ECC 1.3226
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 34 23 1908.98 -11.17 22.99 13.18 116.19 5 6 12 1309.0 -7.56 16.17
 90.00 14 7 18 5154.26 25.47 230.06 17.44 77.19 15 33 13 4554.3 23.45 221.97
 100.00 5 51 2 1661.69 -12.22 4.26 12.64 117.49 6 18 44 1061.7 -8.45 357.51
 100.00 15 33 20 4876.78 26.62 209.35 17.13 75.86 16 54 37 4276.8 24.41 201.24
 110.00 6 48 36 1481.40 -14.99 348.99 11.04 121.09 7 13 18 881.4 -10.76 342.44
 110.00 16 52 15 4629.83 29.66 189.61 16.14 72.18 18 9 25 4029.8 26.94 181.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3616 TRA -.4384 TC3 .6410 BAU .1700 SGT 933.9 SGR 431.4 SG3 131.8 ST 499.1 SR 399.9 SS 426.3
 RDE -.3072 RRA -.1080 RC3 .1002 FAU .03610 RRT -.1344 RRF .1516 RTF -.7638 CRT -.8953 CRS -.9894 CST .9428
 FDE -.4453 FRA .0222 FC3-1.5943 BSP 2720 SGB 1028.7 R23 -.0221 R13 .7650 LSA 752.9 MSA 152.8 SSA 22.6
 BOE .4745 BRA .4515 BC3 .6488 FSP -335 SG1 936.2 SG2 426.4 THA 175.51 EL1 623.4 EL2 142.6 ALF 142.00

LAUNCH DATE JUN 26 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC

DISTANCE 215.074

RL 152.07 LAL .00 LOL 273.73 VL 25.780 GAL -3.84 AZL 93.20 HCA 92.46 SMA 122.78 ECC .24722 INC 3.1967 V1 29.298
 RP 108.63 LAP -3.19 LOP 361.9 VP 36.913 GAP -12.72 AZP 89.86 TAL 191.87 TAP 284.33 RCA 92.43 APO 153.13 V2 34.886
 RC 49.776 GL -19.55 GP -4.54 ZAL 114.84 ZAP 9.20 ETS 28.65 ZAE 149.18 ETE 11.65 ZAC 88.46 ETC 13.71 CLP -8.01

PLANETOCENTRIC CONIC

C3 18.377 VHL 4.287 DLA -9.32 RAL 151.73 RAD 6567.7 VEL 11.822 PTH 2.09 VHP 8.036 DPA -.36 RAP 177.79 ECC 1.3024
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 25 33 1901.07 -10.94 22.53 10.48 116.28 4 57 15 1301.1 -7.32 15.72
 90.00 14 2 4 5131.76 25.12 228.51 14.48 76.49 15 27 36 4531.8 23.02 220.47
 100.00 5 42 20 1653.38 -11.96 3.78 9.95 117.60 6 9 53 1053.4 -8.17 357.04
 100.00 15 27 59 4854.68 26.24 207.81 14.16 75.14 16 48 53 4254.7 23.94 199.77
 110.00 6 40 11 1472.23 -14.67 348.47 8.38 121.23 7 4 43 872.2 -10.42 341.94
 110.00 16 46 37 4608.59 29.21 188.12 13.15 71.40 18 3 26 4008.6 26.40 180.07

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3619 TRA -.4075 TC3 .7252 BAU .1796 SGT 961.9 SGR 429.9 SG3 148.1 ST 511.6 SR 400.7 SS 444.7
 RDE -.2981 RRA -.1034 RC3 .0933 FAU .03936 RRT -.1588 RRF .1779 RTF -.7783 CRT -.9061 CRS -.9925 CST .9415
 FDE -.4778 FRA -.0194 FC3-1.8544 BSP 2870 SGB 1053.6 R23 -.0249 R13 .7799 LSA 772.5 MSA 150.6 SSA 23.5
 BOE .4689 BRA .4204 BC3 .7312 FSP -385 SG1 964.9 SG2 423.1 THA 174.97 EL1 635.3 EL2 136.5 ALF 142.62

LAUNCH DATE JUN 26 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC

DISTANCE 221.813

RL 152.07 LAL .00 LOL 273.73 VL 25.949 GAL -3.93 AZL 93.14 HCA 95.64 SMA 123.79 ECC .23801 INC 3.1403 V1 29.298
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.042 GAP -11.86 AZP 89.69 TAL 192.81 TAP 288.45 RCA 94.32 APO 153.25 V2 34.897
 RC 51.201 GL -19.91 GP -4.88 ZAL 116.44 ZAP 11.41 ETS 24.28 ZAE 148.35 ETE 10.14 ZAC 87.70 ETC 13.75 CLP -10.32

PLANETOCENTRIC CONIC

C3 17.341 VHL 4.164 DLA -9.04 RAL 150.00 RAD 6567.7 VEL 11.778 PTH 2.08 VHP 7.559 DPA -1.03 RAP 178.44 ECC 1.2854
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 16 25 1896.80 -10.81 22.28 7.92 116.33 4 48 2 1296.8 -7.18 15.48
 90.00 13 57 28 5109.01 24.75 226.94 11.66 75.79 15 22 37 4509.0 22.56 218.96
 100.00 5 33 21 1648.61 -11.81 3.51 7.40 117.66 6 0 49 1048.6 -8.02 356.78
 100.00 15 23 13 4832.42 25.84 206.28 11.34 74.43 16 43 45 4232.4 23.45 198.29
 110.00 6 31 33 1466.39 -14.46 348.15 5.86 121.32 6 55 59 866.4 -10.21 341.62
 110.00 16 41 31 4587.42 28.74 186.65 10.31 70.65 17 57 58 3987.4 25.83 178.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3589 TRA -.3793 TC3 .8037 BAU .1873 SGT 985.5 SGR 428.1 SG3 166.3 ST 519.0 SR 401.3 SS 461.6
 RDE -.2901 RRA -.0997 RC3 .0826 FAU .04301 RRT -.1840 RRF .2074 RTF -.7890 CRT -.9143 CRS -.9946 CST .9389
 FDE -.5118 FRA -.0661 FC3-2.1474 BSP 2960 SGB 1074.5 R23 -.0306 R13 .7909 LSA 787.7 MSA 149.7 SSA 24.3
 BDE .4614 BRA .3922 BC3 .8079 FSP -439 SG1 989.3 SG2 419.2 THA 174.43 EL1 642.8 EL2 131.2 ALF 142.94

LAUNCH DATE JUN 26 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 228.544

RL 152.07 LAL .00 LOL 273.73 VL 26.103 GAL -4.02 AZL 93.08 HCA 98.82 SMA 124.71 ECC .22974 INC 3.0832 V1 29.298
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.161 GAP -11.03 AZP 89.53 TAL 193.75 TAP 292.58 RCA 96.06 APO 153.37 V2 34.908
 RC 52.722 GL -20.19 GP -5.26 ZAL 118.01 ZAP 13.77 ETS 21.28 ZAE 147.75 ETE 8.69 ZAC 87.06 ETC 13.80 CLP -12.74

PLANETOCENTRIC CONIC

C3 16.463 VHL 4.058 DLA -8.70 RAL 148.34 RAD 6567.7 VEL 11.741 PTH 2.07 VHP 7.106 DPA -1.69 RAP 178.98 ECC 1.2709
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 7 6 1895.85 -10.78 22.23 5.53 116.34 4 38 41 1295.9 -7.15 15.42
 90.00 13 53 31 5086.06 24.36 225.38 9.01 75.10 15 18 18 4486.1 22.08 217.45
 100.00 5 24 12 1647.08 -11.76 3.42 5.01 117.68 5 51 39 1047.1 -7.97 356.69
 100.00 15 19 6 4810.07 25.42 204.75 8.69 73.72 16 39 16 4210.1 22.95 196.83
 110.00 6 22 49 1463.57 -14.36 347.99 3.50 121.36 6 47 12 863.6 -10.10 341.47
 110.00 16 36 59 4566.34 28.26 185.20 7.64 69.91 17 53 5 3966.3 25.26 177.31

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3550 TRA -.3519 TC3 .8786 BAU .1940 SGT 1006.2 SGR 426.3 SG3 187.0 ST 523.9 SR 401.7 SS 478.8
 RDE -.2830 RRA -.0968 RC3 .0675 FAU .04717 RRT -.2139 RRF .2422 RTF -.7982 CRT -.9218 CRS -.9960 CST .9360
 FDE -.5494 FRA -.1199 FC3-2.4805 BSP 3046 SGB 1092.8 R23 -.0374 R13 .8007 LSA 801.3 MSA 149.4 SSA 25.0
 BDE .4540 BRA .3650 BC3 .8812 FSP -501 SG1 1011.1 SG2 414.4 THA 173.77 EL1 648.1 EL2 125.9 ALF 143.13

LAUNCH DATE JUN 26 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 235.265

RL 152.07 LAL .00 LOL 273.73 VL 26.241 GAL -4.11 AZL 93.03 HCA 102.01 SMA 125.57 ECC .22234 INC 3.0251 V1 29.298
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.269 GAP -10.24 AZP 89.37 TAL 194.69 TAP 296.69 RCA 97.65 APO 153.49 V2 34.920
 RC 54.330 GL -20.39 GP -5.69 ZAL 119.54 ZAP 16.27 ETS 19.12 ZAE 147.41 ETE 7.25 ZAC 86.54 ETC 13.86 CLP -15.27

PLANETOCENTRIC CONIC

C3 15.719 VHL 3.965 DLA -8.31 RAL 146.76 RAD 6567.6 VEL 11.709 PTH 2.06 VHP 6.677 DPA -2.35 RAP 179.39 ECC 1.2587
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 57 43 1897.86 -10.84 22.34 3.30 116.32 4 29 21 1297.9 -7.22 15.54
 90.00 13 50 17 5063.01 23.95 223.81 6.54 74.42 15 14 40 4463.0 21.58 215.94
 100.00 5 15 3 1648.42 -11.81 3.50 2.80 117.66 5 42 31 1048.4 -8.01 356.77
 100.00 15 15 39 4787.68 24.99 203.23 6.21 73.04 16 35 27 4187.7 22.43 195.37
 110.00 6 14 7 1463.47 -14.36 347.98 1.32 121.36 6 38 30 863.5 -10.10 341.47
 110.00 16 33 4 4545.40 27.76 183.77 5.15 69.20 17 48 49 3945.4 24.68 175.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3495 TRA -.3256 TC3 .9476 BAU .1994 SGT 1022.7 SGR 424.9 SG3 210.5 ST 525.4 SR 402.0 SS 495.6
 RDE -.2767 RRA -.0949 RC3 .0474 FAU .05190 RRT -.2482 RRF .2825 RTF -.8060 CRT -.9281 CRS -.9966 CST .9327
 FDE -.5901 FRA -.1811 FC3-2.8583 BSP 3121 SGB 1107.4 R23 -.0457 R13 .8092 LSA 812.5 MSA 149.9 SSA 25.6
 BDE .4458 BRA .3391 BC3 .9488 FSP -572 SG1 1029.1 SG2 409.0 THA 173.00 EL1 650.4 EL2 120.9 ALF 143.13

LAUNCH DATE JUN 26 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 241.974

RL 152.07 LAL .00 LOL 273.73 VL 26.365 GAL -4.19 AZL 92.97 HCA 105.19 SMA 126.35 ECC .21575 INC 2.9655 V1 29.298
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.367 GAP -9.48 AZP 89.22 TAL 195.60 TAP 300.79 RCA 99.09 APO 153.61 V2 34.932
 RC 56.016 GL -20.50 GP -6.17 ZAL 121.00 ZAP 18.93 ETS 17.51 ZAE 147.33 ETE 5.79 ZAC 86.16 ETC 13.92 CLP -17.93

PLANETOCENTRIC CONIC

C3 15.086 VHL 3.884 DLA -7.88 RAL 145.28 RAD 6567.6 VEL 11.682 PTH 2.05 VHP 6.271 DPA -3.00 RAP 179.67 ECC 1.2483
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 48 26 1902.45 -10.98 22.61 1.26 116.27 4 20 8 1302.5 -7.36 15.80
 90.00 13 47 45 5039.91 23.52 222.26 4.25 73.75 15 11 45 4439.9 21.06 214.44
 100.00 5 5 59 1652.29 -11.93 3.72 .76 117.61 5 33 31 1052.3 -8.14 356.98
 100.00 15 12 53 4765.31 24.53 201.72 3.91 72.37 16 32 18 4165.3 21.89 193.92
 110.00 6 5 33 1465.75 -14.44 348.11 359.31 121.33 6 29 59 865.7 -10.18 341.59
 110.00 16 29 48 4524.61 27.25 182.37 2.84 68.52 17 45 12 3924.6 24.09 174.64

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3422 TRA -.3013 TC3 1.0079 BAU .2033 SGT 1034.0 SGR 424.2 SG3 237.0 ST 523.0 SR 402.3 SS 512.0
 RDE -.2712 RRA -.0939 RC3 .0219 FAU .05725 RRT -.2870 RRF .3290 RTF -.8118 CRT -.9331 CRS -.9965 CST .9285
 FDE -.6339 FRA -.2503 FC3-3.2850 BSP 3172 SGB 1117.6 R23 -.0565 R13 .8161 LSA 820.9 MSA 151.4 SSA 26.0
 BDE .4366 BRA .3156 BC3 1.0081 FSP -652 SG1 1042.4 SG2 403.0 THA 172.10 EL1 649.4 EL2 116.5 ALF 142.94

LAUNCH DATE JUN 26 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 248.668

RL 152.07 LAL .00 LOL 273.73 VL 26.475 GAL -4.26 AZL 92.90 HCA 108.38 SMA 127.05 ECC .20991 INC 2.9041 V1 29.298
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.457 GAP -8.74 AZP 89.08 TAL 196.48 TAP 304.86 RCA 100.38 APO 153.73 V2 34.945
 RC 57.772 GL -20.53 GP -6.71 ZAL 122.39 ZAP 21.76 ETS 16.27 ZAE 147.52 ETE 4.25 ZAC 85.93 ETC 13.98 CLP -20.75

PLANETOCENTRIC CONIC

C3 14.545 VHL 3.814 OLA -7.41 RAL 143.91 RAD 6567.6 VEL 11.659 PTH 2.05 VHP 5.889 DPA -3.65 RAP 179.79 ECC 1.2394
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 39 19 1909.28 -11.18 23.00 359.40 116.18 4 11 9 1309.3 -7.57 16.18
 90.00 13 45 55 5016.79 23.07 220.71 2.15 73.10 15 9 32 4416.8 20.53 212.95
 100.00 4 57 7 1658.33 -12.12 4.07 358.91 117.54 5 24 45 1058.3 -8.34 357.32
 100.00 15 10 49 4742.97 24.07 200.23 1.81 71.71 16 29 52 4143.0 21.34 192.49
 110.00 5 57 14 1470.09 -14.59 348.35 357.48 121.26 6 21 44 870.1 -10.34 341.82
 110.00 16 27 11 4503.98 26.73 181.00 .72 67.85 17 42 15 3904.0 23.49 173.33

DIFFERENTIAL CORRECTIONS

TDE .3335 TRA -.2787 TC3 1.0574 BAU .2056
 RDE -.2664 RRA -.0940 RC3 -.0098 FAU .06331
 FDE -.6820 FRA -.3290 FC3-3.7684 BSP 3208
 BOE .4268 BRA .2941 BC3 1.0575 FSP -745

MID-COURSE EXECUTION ACCURACY

SGT 1039.1 SGR 425.0 SG3 267.1
 RRT -.3316 RRF .3825 RTF -.8158
 SGB 1122.6 R23 -.0697 R13 .8215
 SG1 1050.2 SG2 396.7 THA 170.98

ORBIT DETERMINATION ACCURACY

ST 517.3 SR 402.6 SS 528.6
 CRT -.9370 CRS -.9959 CST .9236
 LSA 827.5 MSA 153.6 SSA 26.3
 EL1 645.7 EL2 112.7 ALF 142.57

LAUNCH DATE JUN 26 1967

FLIGHT TIME 96.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 255.346

RL 152.07 LAL .00 LOL 273.73 VL 26.574 GAL -4.33 AZL 92.84 HCA 111.57 SMA 127.69 ECC .20475 INC 2.8403 V1 29.298
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.539 GAP -8.04 AZP 88.96 TAL 197.31 TAP 308.89 RCA 101.55 APO 153.84 V2 34.957
 RC 59.590 GL -20.48 GP -7.33 ZAL 123.70 ZAP 24.77 ETS 15.29 ZAE 147.98 ETE 2.59 ZAC 85.89 ETC 14.04 CLP -23.73

PLANETOCENTRIC CONIC

C3 14.079 VHL 3.752 OLA -6.91 RAL 142.66 RAD 6567.6 VEL 11.639 PTH 2.04 VHP 5.529 DPA -4.30 RAP 179.73 ECC 1.2317
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 30 29 1918.01 -11.44 23.51 357.73 116.08 4 2 27 1318.0 -7.85 16.68
 90.00 13 44 49 4993.66 22.60 219.18 .24 72.47 15 8 2 4393.7 19.99 211.48
 100.00 4 48 31 1666.25 -12.37 4.53 357.25 117.43 5 16 17 1066.2 -8.60 357.77
 100.00 15 9 27 4720.66 23.58 198.75 359.89 71.08 16 28 8 4120.7 20.78 191.07
 110.00 5 49 13 1476.20 -14.81 348.69 355.84 121.17 6 13 49 876.2 -10.57 342.15
 110.00 16 25 15 4483.47 26.20 179.64 358.80 67.21 17 39 58 3883.5 22.88 172.05

DIFFERENTIAL CORRECTIONS

TDE .3240 TRA -.2576 TC3 1.0984 BAU .2069
 RDE -.2624 RRA -.0954 RC3 -.0488 FAU .07024
 FDE -.7347 FRA -.4180 FC3-4.3194 BSP 3259
 BOE .4169 BRA .2747 BC3 1.0995 FSP -854

MID-COURSE EXECUTION ACCURACY

SGT 1039.8 SGR 428.2 SG3 301.5
 RRT -.3825 RRF .4434 RTF -.8191
 SGB 1124.5 R23 -.0851 R13 .8267
 SG1 1054.7 SG2 390.1 THA 169.61

ORBIT DETERMINATION ACCURACY

ST 509.4 SR 403.0 SS 545.8
 CRT -.9400 CRS -.9948 CST .9184
 LSA 833.5 MSA 156.5 SSA 26.3
 EL1 640.3 EL2 109.4 ALF 142.06

LAUNCH DATE JUN 26 1967

FLIGHT TIME 98.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 262.006

RL 152.07 LAL .00 LOL 273.73 VL 26.661 GAL -4.39 AZL 92.77 HCA 114.77 SMA 128.27 ECC .20022 INC 2.7736 V1 29.298
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.612 GAP -7.36 AZP 88.84 TAL 198.09 TAP 312.86 RCA 102.59 APO 153.95 V2 34.970
 RC 61.464 GL -20.36 GP -8.02 ZAL 124.91 ZAP 27.98 ETS 14.49 ZAE 148.72 ETE .75 ZAC 86.04 ETC 14.09 CLP -26.89

PLANETOCENTRIC CONIC

C3 13.674 VHL 3.698 OLA -6.38 RAL 141.54 RAD 6567.5 VEL 11.622 PTH 2.04 VHP 5.194 DPA -4.94 RAP 179.46 ECC 1.2250
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 21 58 1928.36 -11.75 24.12 356.24 115.95 3 54 6 1328.4 -8.17 17.27
 90.00 13 44 26 4970.49 22.12 217.65 358.52 71.85 15 7 16 4370.5 19.43 210.01
 100.00 4 40 17 1675.74 -12.66 5.07 355.77 117.30 5 8 12 1075.7 -8.91 358.30
 100.00 15 8 48 4698.34 23.08 197.28 358.17 70.46 16 27 7 4098.3 20.21 189.66
 110.00 5 41 35 1483.81 -15.07 349.12 354.39 121.05 6 6 18 883.8 -10.85 342.57
 110.00 16 23 59 4463.04 25.65 178.30 357.06 66.59 17 38 23 3863.0 22.26 170.79

DIFFERENTIAL CORRECTIONS

TDE .3109 TRA -.2411 TC3 1.1187 BAU .2053
 RDE -.2588 RRA -.0979 RC3 -.0957 FAU .07796
 FDE -.7893 FRA -.5155 FC3-4.9357 BSP 3243
 BOE .4045 BRA .2602 BC3 1.1228 FSP -973

MID-COURSE EXECUTION ACCURACY

SGT 1028.5 SGR 434.9 SG3 339.8
 RRT -.4346 RRF .5096 RTF -.8176
 SGB 1116.7 R23 -.1069 R13 .8285
 SG1 1048.5 SG2 384.2 THA 167.95

ORBIT DETERMINATION ACCURACY

ST 495.4 SR 403.6 SS 561.5
 CRT -.9406 CRS -.9933 CST .9110
 LSA 835.0 MSA 160.5 SSA 26.2
 EL1 629.9 EL2 107.8 ALF 141.19

LAUNCH DATE JUN 26 1967

FLIGHT TIME 100.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 268.646

RL 152.07 LAL .00 LOL 273.73 VL 26.738 GAL -4.44 AZL 92.70 HCA 117.96 SMA 128.78 ECC .19625 INC 2.7033 V1 29.298
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.679 GAP -6.71 AZP 88.73 TAL 198.81 TAP 316.77 RCA 103.50 APO 154.05 V2 34.983
 RC 63.388 GL -20.15 GP -8.81 ZAL 126.03 ZAP 31.40 ETS 13.82 ZAE 149.74 ETE 358.62 ZAC 86.41 ETC 14.12 CLP -30.26

PLANETOCENTRIC CONIC

C3 13.316 VHL 3.649 OLA -5.83 RAL 140.57 RAD 6567.5 VEL 11.606 PTH 2.03 VHP 4.882 DPA -5.59 RAP 178.98 ECC 1.2191
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 13 50 1940.10 -12.10 24.80 354.93 115.80 3 46 10 1340.1 -8.53 17.94
 90.00 13 44 46 4947.20 21.62 216.13 356.99 71.25 15 7 13 4347.2 18.86 208.54
 100.00 4 32 25 1686.60 -13.00 5.70 354.48 117.16 5 0 32 1086.6 -9.26 358.91
 100.00 15 8 52 4675.94 22.56 195.82 356.63 69.85 16 26 48 4075.9 19.62 188.26
 110.00 5 34 21 1492.72 -15.39 349.62 353.11 120.91 5 59 13 892.7 -11.18 343.05
 110.00 16 23 26 4442.59 25.09 176.98 355.51 65.98 17 37 28 3842.6 21.63 169.54

DIFFERENTIAL CORRECTIONS

TDE .2955 TRA -.2285 TC3 1.1200 BAU .2012
 RDE -.2557 RRA -.1017 RC3 -.1518 FAU .08654
 FDE -.8460 FRA -.6219 FC3-5.6261 BSP 3197
 BOE .3908 BRA .2501 BC3 1.1302 FSP -1107

MID-COURSE EXECUTION ACCURACY

SGT 1006.7 SGR 446.4 SG3 382.4
 RRT -.4873 RRF .5799 RTF -.8122
 SGB 1101.2 R23 -.1352 R13 .8282
 SG1 1033.7 SG2 379.6 THA 165.86

ORBIT DETERMINATION ACCURACY

ST 477.1 SR 404.4 SS 576.2
 CRT -.9391 CRS -.9918 CST .9014
 LSA 833.8 MSA 165.1 SSA 26.0
 EL1 616.1 EL2 107.6 ALF 140.01

LAUNCH DATE JUN 26 1967

FLIGHT TIME 102.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 275.266

RL 152.07 LAL .00 LOL 273.73 VL 26.805 GAL -4.49 AZL 92.63 HCA 121.16 SMA 129.22 ECC .19280 INC 2.6287 V1 29.298
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.738 GAP -6.08 AZP 88.64 TAL 199.45 TAP 320.61 RCA 104.31 APO 154.14 V2 34.996
 RC 65.357 GL -19.88 GP -9.70 ZAL 127.04 ZAP 35.06 ETS 13.23 ZAE 151.04 ETE 356.10 ZAC 87.02 ETC 14.12 CLP -33.86

PLANETOCENTRIC CONIC

C3 12.995 VHL 3.605 DLA -5.25 RAL 139.73 RAD 6567.5 VEL 11.592 PTH 2.03 VHP 4.594 DPA -6.23 RAP 178.25 ECC 1.2139
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 6 5 1953.12 -12.49 25.56 353.81 115.62 3 38 38 1353.1 -8.94 18.68
 90.00 13 45 51 4923.65 21.09 214.60 355.63 70.66 15 7 54 4323.7 18.26 207.07
 100.00 4 24 57 1698.70 -13.38 6.40 353.36 116.98 4 53 16 1098.7 -9.65 359.60
 100.00 15 9 40 4653.31 22.02 194.35 355.26 69.26 16 27 13 4053.3 19.01 186.85
 110.00 5 27 32 1502.79 -15.74 350.19 352.01 120.74 5 52 35 902.8 -11.54 343.60
 110.00 16 23 34 4421.98 24.51 175.66 354.13 65.39 17 37 16 3822.0 20.98 168.28

DIFFERENTIAL CORRECTIONS

TOE .2792 TRA -.2185 TC3 1.1047 BAU .1957
 RDE -.2533 RRA -.1071 RC3 -.2191 FAU .09617
 FDE -.9069 FRA -.7402 FC3-6.4066 BSP 3160
 BDE .3770 BRA .2434 BC3 1.1263 FSP -1265

MID-COURSE EXECUTION ACCURACY

SGT 976.2 SGR 465.1 SG3 430.3
 RRT -.5393 RRF .6527 RTF -.8035
 SGB 1081.3 R23 -.1692 R13 .8275
 SG1 1013.4 SG2 377.3 THA 163.19

ORBIT DETERMINATION ACCURACY

ST 456.6 SR 405.9 SS 591.7
 CRT -.9358 CRS -.9902 CST .8902
 LSA 832.9 MSA 170.1 SSA 25.7
 EL1 601.1 EL2 108.7 ALF 138.59

LAUNCH DATE JUN 26 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 281.864

RL 152.07 LAL .00 LOL 273.73 VL 26.862 GAL -4.52 AZL 92.55 HCA 124.36 SMA 129.61 ECC .18981 INC 2.5487 V1 29.298
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.792 GAP -5.47 AZP 88.56 TAL 200.01 TAP 324.37 RCA 105.01 APO 154.22 V2 35.009
 RC 67.365 GL -19.52 GP -10.70 ZAL 127.95 ZAP 38.97 ETS 12.68 ZAE 152.60 ETE 353.02 ZAC 87.89 ETC 14.08 CLP -37.70

PLANETOCENTRIC CONIC

C3 12.702 VHL 3.564 DLA -4.64 RAL 139.04 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 4.330 DPA -6.88 RAP 177.25 ECC 1.2090
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 58 44 1967.30 -12.90 26.40 352.86 115.43 3 31 32 1367.3 -9.37 19.50
 90.00 13 47 41 4899.66 20.54 213.05 354.45 70.07 15 9 21 4299.7 17.64 205.58
 100.00 4 17 54 1711.93 -13.78 7.18 352.42 116.79 4 46 26 1111.9 -10.08 .35
 100.00 15 11 13 4630.26 21.46 192.87 354.08 68.68 16 28 23 4030.3 18.37 185.44
 110.00 5 21 9 1513.93 -16.12 350.82 351.09 120.56 5 46 23 913.9 -11.95 344.21
 110.00 16 24 27 4401.04 23.91 174.33 352.94 64.81 17 37 48 3801.0 20.32 167.03

DIFFERENTIAL CORRECTIONS

TOE .2585 TRA -.2155 TC3 1.0585 BAU .1868
 RDE -.2511 RRA -.1138 RC3 -.2982 FAU .10647
 FDE -.9631 FRA -.8610 FC3-7.2568 BSP 3039
 BDE .3604 BRA .2437 BC3 1.0997 FSP -1428

MID-COURSE EXECUTION ACCURACY

SGT 928.9 SGR 491.7 SG3 481.7
 RRT -.5787 RRF .7220 RTF -.7847
 SGB 1051.0 R23 -.2143 R13 .8232
 SG1 979.9 SG2 380.2 THA 159.80

ORBIT DETERMINATION ACCURACY

ST 429.1 SR 407.4 SS 602.7
 CRT -.9275 CRS -.9887 CST .8732
 LSA 825.7 MSA 175.7 SSA 25.3
 EL1 580.9 EL2 112.5 ALF 136.60

LAUNCH DATE JUN 26 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 288.441

RL 152.07 LAL .00 LOL 273.73 VL 26.911 GAL -4.54 AZL 92.46 HCA 127.56 SMA 129.95 ECC .18723 INC 2.4624 V1 29.298
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.839 GAP -4.89 AZP 88.50 TAL 200.49 TAP 328.05 RCA 105.62 APO 154.28 V2 35.023
 RC 69.409 GL -19.08 GP -11.84 ZAL 128.76 ZAP 43.15 ETS 12.14 ZAE 154.39 ETE 349.13 ZAC 89.04 ETC 13.98 CLP -41.81

PLANETOCENTRIC CONIC

C3 12.428 VHL 3.525 DLA -4.00 RAL 138.50 RAD 6567.5 VEL 11.568 PTH 2.02 VHP 4.092 DPA -7.55 RAP 175.97 ECC 1.2045
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 51 45 1982.70 -13.35 27.31 352.08 115.20 3 24 48 1382.7 -9.85 20.38
 90.00 13 50 20 4874.95 19.96 211.47 353.43 69.49 15 11 35 4275.0 16.99 204.06
 100.00 4 11 13 1726.34 -14.22 8.02 351.65 116.57 4 39 59 1126.3 -10.54 1.16
 100.00 15 13 33 4606.55 20.87 191.36 353.06 68.10 16 30 20 4006.5 17.71 183.99
 110.00 5 15 10 1526.14 -16.55 351.52 350.34 120.35 5 40 36 926.1 -12.39 344.87
 110.00 16 26 6 4379.52 23.28 172.97 351.90 64.23 17 39 5 3779.5 19.62 165.74

DIFFERENTIAL CORRECTIONS

TOE .2354 TRA -.2182 TC3 .9833 BAU .1758
 RDE -.2491 RRA -.1219 RC3 -.3914 FAU .11747
 FDE -1.0149 FRA -.9841 FC3-8.1826 BSP 2889
 BDE .3427 BRA .2500 BC3 1.0583 FSP -1604

MID-COURSE EXECUTION ACCURACY

SGT 868.0 SGR 528.7 SG3 536.6
 RRT -.6005 RRF .7852 RTF -.7533
 SGB 1016.3 R23 -.2672 R13 .8181
 SG1 938.0 SG2 391.2 THA 155.35

ORBIT DETERMINATION ACCURACY

ST 397.7 SR 409.3 SS 610.6
 CRT -.9135 CRS -.9874 CST .8494
 LSA 815.4 MSA 181.7 SSA 24.9
 EL1 558.2 EL2 118.6 ALF 134.10

LAUNCH DATE JUN 26 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 294.995

RL 152.07 LAL .00 LOL 273.73 VL 26.953 GAL -4.56 AZL 92.37 HCA 130.77 SMA 130.24 ECC .18503 INC 2.3682 V1 29.298
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.881 GAP -4.32 AZP 88.45 TAL 200.88 TAP 331.65 RCA 106.14 APO 154.33 V2 35.036
 RC 71.485 GL -18.56 GP -13.11 ZAL 129.47 ZAP 47.60 ETS 11.57 ZAE 156.34 ETE 344.10 ZAC 90.46 ETC 13.79 CLP -46.18

PLANETOCENTRIC CONIC

C3 12.167 VHL 3.488 DLA -3.31 RAL 138.10 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 3.881 DPA -8.24 RAP 174.38 ECC 1.2002
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 45 4 1999.46 -13.83 28.30 351.47 114.95 3 18 23 1399.5 -10.36 21.35
 90.00 13 53 52 4849.17 19.34 209.84 352.57 68.90 15 14 41 4249.2 16.30 202.48
 100.00 4 4 52 1742.06 -14.70 8.94 351.04 116.32 4 33 54 1142.1 -11.05 2.06
 100.00 15 16 46 4581.81 20.23 189.80 352.19 67.51 16 33 7 3981.8 17.01 182.49
 110.00 5 9 33 1539.53 -17.00 352.29 349.76 120.11 5 35 13 939.5 -12.88 345.61
 110.00 16 28 33 4357.09 22.61 171.58 351.03 63.65 17 41 11 3757.1 18.89 164.42

DIFFERENTIAL CORRECTIONS

TOE .2115 TRA -.2250 TC3 .8814 BAU .1650
 RDE -.2476 RRA -.1319 RC3 -.5022 FAU .12920
 FDE -1.0640 FRA -1.1115 FC3-9.1931 BSP 2763
 BDE .3257 BRA .2608 BC3 1.0145 FSP -1802

MID-COURSE EXECUTION ACCURACY

SGT 797.4 SGR 579.0 SG3 595.7
 RRT -.5987 RRF .8404 RTF -.7047
 SGB 985.4 R23 -.3171 R13 .8179
 SG1 894.5 SG2 413.4 THA 149.27

ORBIT DETERMINATION ACCURACY

ST 365.2 SR 412.0 SS 617.7
 CRT -.8923 CRS -.9864 CST .8174
 LSA 805.5 MSA 187.6 SSA 24.4
 EL1 535.8 EL2 126.8 ALF 131.14

LAUNCH DATE JUN 26 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 301.526

RL 152.07 LAL .00 LOL 273.73 VL 26.987 GAL -4.56 AZL 92.26 HCA 133.97 SMA 130.47 ECC .18317 INC 2.2644 V1 29.298
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.917 GAP -3.78 AZP 88.43 TAL 201.18 TAP 335.16 RCA 106.57 APO 154.37 V2 35.049
 RC 73.590 GL -17.94 GP -14.53 ZAL 130.09 ZAP 52.31 ETS 10.92 ZAE 158.34 ETE 337.49 ZAC 92.18 ETC 13.51 CLP -50.84

PLANETOCENTRIC CONIC

C3 11.911 VHL 3.451 DLA -2.58 RAL 137.86 RAD 6567.5 VEL 11.546 PTH 2.02 VHP 3.698 DPA -8.96 RAP 172.50 ECC 1.1960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 37 2017.82 -14.36 29.39 351.02 114.67 3 12 15 1417.8 -10.91 22.41
 90.00 13 58 22 4821.86 18.66 208.12 351.87 68.31 15 18 44 4221.9 15.55 200.82
 100.00 3 58 46 1759.30 -15.22 9.96 350.60 116.04 4 28 5 1159.3 -11.60 3.05
 100.00 15 20 55 4555.61 19.54 188.16 351.49 66.92 16 36 51 3955.6 16.25 180.91
 110.00 5 4 15 1554.30 -17.51 353.14 349.34 119.84 5 30 9 954.3 -13.41 346.43
 110.00 16 31 55 4333.37 21.89 170.12 350.32 63.06 17 44 9 3733.4 18.10 163.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1837 TRA -.2397 TC3 .7374 BAU .1545 SGT 714.7 SGR 641.5 SG3 654.0 ST 327.9 SR 413.9 SS 615.4
 RDE -.2455 RRA -.1426 RC3 -.6301 FAU .14075 RRT -.5481 RRF .8842 RTF -.6168 CRT -.8546 CRS -.9855 CST .7658
 FDE-1.0931 FRA-1.2244 FC-10.2299 BSP 2606 SGB 960.3 R23 -.3497 R13 .8274 LSA 787.0 MSA 193.9 SSA 24.0
 BDE .3066 BRA .2789 BC3 .9699 FSP -1993 SG1 846.9 SG2 452.8 THA 140.59 EL1 509.7 EL2 138.3 ALF 127.31

LAUNCH DATE JUN 26 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 308.034

RL 152.07 LAL .00 LOL 273.73 VL 27.015 GAL -4.56 AZL 92.15 HCA 137.18 SMA 130.66 ECC .18160 INC 2.1486 V1 29.298
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.949 GAP -3.25 AZP 88.42 TAL 201.40 TAP 338.58 RCA 106.93 APO 154.39 V2 35.062
 RC 75.721 GL -16.12 GP -16.12 ZAL 130.60 ZAP 57.28 ETS 10.17 ZAE 160.19 ETE 328.73 ZAC 94.16 ETC 13.09 CLP -55.76

PLANETOCENTRIC CONIC

C3 11.656 VHL 3.414 DLA -1.78 RAL 137.77 RAD 6567.4 VEL 11.534 PTH 2.01 VHP 3.543 DPA -9.73 RAP 170.31 ECC 1.1918
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 32 18 2038.23 -14.94 30.61 350.75 114.34 3 6 16 1438.2 -11.53 23.60
 90.00 14 4 0 4792.38 17.91 206.28 351.32 67.69 15 23 52 4192.4 14.73 199.05
 100.00 3 52 49 1778.50 -15.79 11.10 350.33 115.72 4 22 27 1178.5 -12.20 4.15
 100.00 15 26 10 4527.34 18.78 186.41 350.93 66.30 16 41 37 3927.3 15.41 179.23
 110.00 4 59 10 1570.81 -18.06 354.09 349.09 119.53 5 25 21 970.8 -14.00 347.34
 110.00 16 36 18 4307.80 21.09 168.56 349.75 62.45 17 48 6 3707.8 17.23 161.55

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1546 TRA -.2602 TC3 .5544 BAU .1489 SGT 633.7 SGR 717.9 SG3 710.6 ST 291.0 SR 414.8 SS 605.1
 RDE -.2426 RRA -.1542 RC3 -.7785 FAU .15187 RRT -.4259 RRF .9180 RTF -.4656 CRT -.7926 CRS -.9847 CST .6865
 FDE-1.1006 FRA-1.3202 FC-11.2796 BSP 2508 SGB 957.6 R23 -.3133 R13 .8668 LSA 763.0 MSA 200.4 SSA 23.7
 BDE .2877 BRA .3025 BC3 .9557 FSP -2180 SG1 812.7 SG2 506.5 THA 126.81 EL1 483.3 EL2 152.3 ALF 122.73

LAUNCH DATE JUN 26 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 314.518

RL 152.07 LAL .00 LOL 273.73 VL 27.036 GAL -4.54 AZL 92.02 HCA 140.39 SMA 130.81 ECC .18030 INC 2.0177 V1 29.298
 RP 108.04 LAP -1.29 LOP 54.14 VP 37.976 GAP -2.74 AZP 88.45 TAL 201.52 TAP 341.91 RCA 107.23 APO 154.40 V2 35.075
 RC 77.874 GL -16.32 GP -17.89 ZAL 131.03 ZAP 62.45 ETS 9.28 ZAE 161.61 ETE 317.40 ZAC 96.38 ETC 12.51 CLP -90.92

PLANETOCENTRIC CONIC

C3 11.398 VHL 3.376 DLA -.88 RAL 137.84 RAD 6567.4 VEL 11.523 PTH 2.01 VHP 3.419 DPA -10.57 RAP 167.85 ECC 1.1876
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 56 2061.38 -15.58 32.01 350.64 113.95 3 0 17 1461.4 -12.21 24.95
 90.00 14 10 56 4759.90 17.06 204.28 350.92 67.05 15 30 16 4159.9 13.80 197.12
 100.00 3 46 52 1800.31 -16.43 12.41 350.23 115.33 4 16 52 1200.3 -12.88 5.41
 100.00 15 32 41 4496.20 17.91 184.50 350.53 65.66 16 47 37 3896.2 14.48 177.39
 110.00 4 54 10 1589.63 -18.69 355.19 349.01 119.16 5 20 40 989.6 -14.66 348.39
 110.00 16 41 52 4279.66 20.19 166.87 349.34 61.82 17 53 12 3679.7 16.27 159.94

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1264 TRA -.2848 TC3 .3331 BAU .1535 SGT 574.6 SGR 810.4 SG3 764.1 ST 259.0 SR 414.6 SS 588.3
 RDE -.2388 RRA -.1668 RC3 -.9510 FAU .16219 RRT -.2031 RRF .9432 RTF -.2205 CRT -.6963 CRS -.9839 CST .5699
 FDE-1.0862 FRA-1.3971 FC-12.3189 BSP 2560 SGB 993.5 R23 -.1376 R13 .9335 LSA 736.0 MSA 206.9 SSA 23.3
 BDE .2702 BRA .3300 BC3 1.0076 FSP -2365 SG1 825.9 SG2 552.1 THA 105.04 EL1 459.1 EL2 167.9 ALF 117.49

LAUNCH DATE JUN 26 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 320.980

RL 152.07 LAL .00 LOL 273.73 VL 27.052 GAL -4.52 AZL 91.87 HCA 143.61 SMA 130.92 ECC .17924 INC 1.8678 V1 29.298
 RP 108.00 LAP -1.11 LOP 57.35 VP 37.999 GAP -2.24 AZP 88.50 TAL 201.55 TAP 345.16 RCA 107.45 APO 154.39 V2 35.088
 RC 80.046 GL -15.27 GP -19.84 ZAL 131.37 ZAP 67.79 ETS 8.19 ZAE 162.22 ETE 303.68 ZAC 98.80 ETC 11.75 CLP -66.30

PLANETOCENTRIC CONIC

C3 11.133 VHL 3.337 DLA .15 RAL 138.08 RAD 6567.4 VEL 11.512 PTH 2.01 VHP 3.327 DPA -11.53 RAP 165.13 ECC 1.1832
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 18 2088.26 -16.32 33.64 350.72 113.47 2 54 7 1488.3 -13.00 26.53
 90.00 14 19 30 4723.28 16.07 202.04 350.68 66.37 15 38 13 4123.3 12.74 194.95
 100.00 3 40 43 1825.66 -17.16 13.93 350.33 114.86 4 11 9 1225.7 -13.67 6.88
 100.00 15 40 46 4461.11 16.92 182.37 350.28 64.98 16 55 7 3861.1 13.40 175.34
 110.00 4 49 7 1611.57 -19.41 356.48 349.13 118.70 5 15 59 1011.6 -15.43 349.63
 110.00 16 48 51 4247.97 19.16 164.99 349.08 61.14 17 59 39 3648.0 15.17 158.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0979 TRA -.3151 TC3 .0629 BAU .1707 SGT 568.1 SGR 914.3 SG3 806.9 ST 233.7 SR 409.4 SS 554.8
 RDE -.2319 RRA -.1781 RC3 -1.1450 FAU .17027 RRT .1279 RRF .9609 RTF .1245 CRT -.5447 CRS -.9826 CST .3936
 FDE-1.0274 FRA-1.4292 FC-13.2415 BSP 2769 SGB 1076.5 R23 .0729 R13 .9581 LSA 695.5 MSA 214.0 SSA 23.2
 BDE .2518 BRA .3619 BC3 1.1467 FSP -2510 SG1 919.0 SG2 560.6 THA 82.74 EL1 433.5 EL2 185.1 ALF 111.35

LAUNCH DATE JUN 26 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 327.418

RL 152.07 LAL .00 LOL 273.73 VL 27.062 GAL -4.48 AZL 91.69 MCA 146.82 SMA 130.99 ECC .17839 INC 1.6930 V1 29.298
 RP 107.96 LAP -.93 LOP 60.56 VP 38.018 GAP -1.76 AZP 88.58 TAL 201.49 TAP 348.31 RCA 107.62 APO 154.36 V2 35.101
 RC 82.236 GL -14.00 GP -22.02 ZAL 131.63 ZAP 73.21 ETS 6.87 ZAE 161.66 ETE 288.97 ZAC 101.36 ETC 10.76 CLP -71.84

PLANETOCENTRIC CONIC

C3 10.857 VHL 3.295 QLA 1.35 RAL 138.51 RAD 6567.4 VEL 11.500 PTH 2.00 VHP 3.270 DPA -12.64 RAP 162.20 ECC 1.1787
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 6 2120.35 -17.18 35.60 351.01 112.86 2 47 27 1520.4 -13.93 28.43
 90.00 14 30 6 4680.89 14.90 199.49 350.60 65.64 15 48 7 4080.9 11.49 192.47
 100.00 3 34 5 1855.95 -18.02 15.77 350.63 114.26 4 5 0 1256.0 -14.59 8.66
 100.00 15 50 49 4420.52 15.73 179.94 350.20 64.25 17 4 30 3820.5 12.14 172.99
 110.00 4 43 45 1637.85 -20.27 358.05 349.48 118.14 5 11 3 1037.8 -16.35 351.12
 110.00 16 57 38 4211.39 17.95 162.85 348.98 60.41 18 7 49 3611.4 13.87 156.10

DIFFERENTIAL CORRECTIONS

TDE .0729 TRA -.3477 TC3 -.2522 BAU .2012
 RDE -.2211 RRA -.1878 RC3-1.3632 FAU .17558
 FDE -.9244 FRA-1.4149 FC-14.0007 BSP 3185
 BDE .2328 BRA .3952 BC3 1.3864 FSP -2642

MID-COURSE EXECUTION ACCURACY

SGT 639.9 SGR 1030.3 SG3 836.6
 RRT .4521 RRF .9733 RTF .4548
 SGB 1212.9 R23 .1691 R13 .9586
 SG1 1085.0 SG2 542.0 THA 68.78

ORBIT DETERMINATION ACCURACY

ST 221.4 SR 397.6 SS 505.8
 CRT -.3503 CRS -.9801 CST .1728
 LSA 642.9 MSA 221.7 SSA 23.3
 EL1 407.7 EL2 202.3 ALF 104.74

LAUNCH DATE JUN 26 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 333.833

RL 152.07 LAL .00 LOL 273.73 VL 27.067 GAL -4.43 AZL 91.49 MCA 150.04 SMA 131.03 ECC .17774 INC 1.4851 V1 29.298
 RP 107.92 LAP -.74 LOP 63.78 VP 38.034 GAP -1.30 AZP 88.71 TAL 201.35 TAP 351.39 RCA 107.74 APO 154.32 V2 35.113
 RC 84.440 GL -12.42 GP -24.44 ZAL 131.81 ZAP 78.62 ETS 5.26 ZAE 159.82 ETE 275.36 ZAC 103.98 ETC 9.51 CLP -77.48

PLANETOCENTRIC CONIC

C3 10.571 VHL 3.251 QLA 2.80 RAL 139.15 RAD 6567.4 VEL 11.487 PTH 2.00 VHP 3.249 DPA -13.97 RAP 159.12 ECC 1.1740
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 3 52 2159.95 -18.21 38.05 351.56 112.07 2 39 52 1559.9 -15.05 30.79
 90.00 14 43 25 4630.40 13.46 196.48 350.72 64.85 16 0 36 4030.4 9.96 189.55
 100.00 3 26 30 1893.37 -19.05 18.07 351.19 113.48 3 58 4 1293.4 -15.71 10.87
 100.00 16 3 28 4372.22 14.28 177.08 350.31 63.46 17 16 20 3772.2 10.60 170.22
 110.00 4 37 45 1670.40 -21.30 .01 350.05 117.39 5 5 35 1070.4 -17.46 352.98
 110.00 17 8 43 4167.95 16.47 160.35 349.08 59.61 18 18 11 3568.0 12.31 153.71

DIFFERENTIAL CORRECTIONS

TDE .0550 TRA -.3800 TC3 -.6085 BAU .2433
 RDE -.2051 RRA -.1954 RC3-1.6106 FAU .17777
 FDE -.7791 FRA-1.3563 FC-14.5597 BSP 3805
 BDE .2124 BRA .4273 BC3 1.7217 FSP -2677

MID-COURSE EXECUTION ACCURACY

SGT 784.5 SGR 1160.3 SG3 852.0
 RRT .6706 RRF .9820 RTF .6744
 SGB 1400.6 R23 .1958 R13 .9625
 SG1 1300.9 SG2 519.1 THA 60.45

ORBIT DETERMINATION ACCURACY

ST 223.6 SR 377.3 SS 442.1
 CRT -.1644 CRS -.9750 CST -.0417
 LSA 577.8 MSA 231.1 SSA 23.6
 EL1 380.0 EL2 219.0 ALF 98.36

LAUNCH DATE JUN 26 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 340.226

RL 152.07 LAL .00 LOL 273.73 VL 27.068 GAL -4.38 AZL 91.23 MCA 153.26 SMA 131.04 ECC .17727 INC 1.2320 V1 29.298
 RP 107.89 LAP -.55 LOP 67.00 VP 38.045 GAP -.84 AZP 88.90 TAL 201.12 TAP 354.38 RCA 107.81 APO 154.27 V2 35.125
 RC 86.655 GL -10.43 GP -27.17 ZAL 131.89 ZAP 83.90 ETS 3.31 ZAE 156.81 ETE 264.31 ZAC 106.56 ETC 7.96 CLP -83.14

PLANETOCENTRIC CONIC

C3 10.275 VHL 3.205 QLA 4.61 RAL 140.03 RAD 6567.4 VEL 11.474 PTH 1.99 VHP 3.269 DPA -15.60 RAP 155.91 ECC 1.1691
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 53 51 2210.61 -19.47 41.23 352.44 110.97 2 30 41 1610.6 -16.45 33.86
 90.00 15 0 29 4568.27 11.63 192.83 351.09 64.00 16 16 37 3968.3 8.04 185.99
 100.00 3 17 21 1941.26 -20.32 21.06 352.08 112.41 3 49 42 1341.3 -17.11 13.74
 100.00 16 19 40 4312.86 12.45 173.63 350.67 62.60 17 31 33 3712.9 8.68 166.87
 110.00 4 30 33 1712.14 -22.58 2.57 350.98 116.37 4 59 6 1112.1 -18.86 355.41
 110.00 17 22 57 4114.74 14.61 157.34 349.42 58.75 18 31 32 3514.7 10.37 150.81

DIFFERENTIAL CORRECTIONS

TDE .0471 TRA -.4101 TC3-1.0087 BAU .2933
 RDE -.1795 RRA -.1971 RC3-1.8817 FAU .17546
 FDE -.5717 FRA-1.2310 FC-14.7839 BSP 4554
 BDE .1856 BRA .4550 BC3 2.1351 FSP -2663

MID-COURSE EXECUTION ACCURACY

SGT 982.9 SGR 1297.4 SG3 845.4
 RRT .7945 RRF .9879 RTF .7972
 SGB 1627.7 R23 .2001 R13 .9677
 SG1 1549.0 SG2 499.9 THA 54.75

ORBIT DETERMINATION ACCURACY

ST 236.9 SR 339.9 SS 353.1
 CRT -.0360 CRS -.9610 CST -.2217
 LSA 486.1 MSA 243.8 SSA 25.0
 EL1 340.2 EL2 236.6 ALF 92.78

LAUNCH DATE JUN 26 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 346.596

RL 152.07 LAL .00 LOL 273.73 VL 27.065 GAL -4.31 AZL 90.92 MCA 156.48 SMA 131.02 ECC .17695 INC .9155 V1 29.298
 RP 107.85 LAP -.37 LOP 70.21 VP 38.054 GAP -.41 AZP 89.16 TAL 200.81 TAP 357.30 RCA 107.83 APO 154.20 V2 35.137
 RC 88.880 GL -7.84 GP -30.31 ZAL 131.87 ZAP 88.93 ETS .95 ZAE 152.83 ETE 256.08 ZAC 109.02 ETC 6.05 CLP -88.76

PLANETOCENTRIC CONIC

C3 9.977 VHL 3.159 QLA 6.94 RAL 141.23 RAD 6567.4 VEL 11.461 PTH 1.99 VHP 3.336 DPA -17.67 RAP 152.61 ECC 1.1642
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 40 50 2278.29 -21.06 45.56 353.79 109.38 2 18 49 1678.3 -18.23 38.03
 90.00 15 23 1 4488.83 9.22 188.24 351.81 63.11 16 37 50 3888.8 5.54 181.49
 100.00 3 5 30 2005.23 -21.93 25.14 353.45 110.84 3 38 55 1405.2 -18.90 17.65
 100.00 16 41 3 4237.11 10.04 169.30 351.38 61.70 17 51 40 3637.1 6.18 162.63
 110.00 4 21 19 1767.94 -24.23 6.06 352.40 114.89 4 50 47 1167.9 -20.67 358.73
 110.00 17 41 43 4047.17 12.19 153.60 350.10 57.82 18 49 10 3447.2 7.86 147.19

DIFFERENTIAL CORRECTIONS

TDE .0556 TRA -.4334 TC3-1.4460 BAU .3495
 RDE -.1422 RRA -.1932 RC3-2.1852 FAU .16887
 FDE -.3184 FRA-1.0581 FC-14.6538 BSP 5427
 BDE .1527 BRA .4745 BC3 2.6203 FSP -2590

MID-COURSE EXECUTION ACCURACY

SGT 1213.2 SGR 1448.0 SG3 818.6
 RRT .8621 RRF .9921 RTF .8638
 SGB 1889.1 R23 .1946 R13 .9729
 SG1 1825.0 SG2 487.7 THA 50.83

ORBIT DETERMINATION ACCURACY

ST 259.6 SR 282.0 SS 249.1
 CRT .0038 CRS -.9106 CST -.3886
 LSA 373.3 MSA 262.3 SSA 27.8
 EL1 282.0 EL2 259.5 ALF 88.69

LAUNCH DATE JUN 26 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 352.943

RL 152.07 LAL .00 LOL 273.73 VL 27.058 GAL -4.23 AZL 90.50 HCA 159.71 SMA 130.97 ECC .17677 INC .5033 V1 29.298
 RP 107.82 LAP -.17 LOP 73.44 VP 38.060 GAP .02 AZP 89.53 TAL 200.43 TAP .14 RCA 107.82 APO 154.12 V2 35.149
 RC 91.113 GL -4.37 GP -34.01 ZAL 131.67 ZAP 93.55 ETS 358.10 ZAE 148.03 ETE 250.27 ZAC 111.24 ETC 3.69 CLP -94.28

PLANETOCENTRIC CONIC

C3 9.698 VHL 3.114 DLA 10.07 RAL 142.84 RAD 6567.3 VEL 11.449 PTH 1.99 VHP 3.463 DPA -20.32 RAP 149.19 ECC 1.1596
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 37 2373.58 -23.08 51.81 355.88 106.87 2 2 11 1773.6 -20.55 44.05
 90.00 15 54 9 4382.31 5.89 182.18 353.12 62.25 17 7 11 3782.3 2.13 175.52
 100.00 2 48 57 2095.17 -23.98 31.02 355.56 108.40 3 23 52 1495.2 -21.25 23.30
 100.00 17 10 30 4135.95 6.72 163.62 352.66 60.80 18 19 26 3535.9 2.78 157.05
 110.00 4 8 30 1846.21 -26.37 11.13 354.58 112.58 4 39 16 1246.2 -23.08 3.52
 110.00 18 7 26 3957.67 8.90 148.76 351.33 56.86 19 13 24 3357.7 4.48 142.46

DIFFERENTIAL CORRECTIONS

TOE .0901 TRA -.4446 TC3-1.9099 BAU .4086
 RDE -.0832 RRA -.1769 RC3-2.5068 FAU .15674
 FDE -.0006 FRA -.8197 FC-13.9920 BSP 6338
 BDE .1226 BRA .4785 BC3 3.1515 FSP -2417

MID-COURSE EXECUTION ACCURACY

SGT 1460.4 SGR 1603.2 SG3 764.5
 RRT .8997 RRF .9948 RTF .9007
 SGB 2168.7 R23 .1882 R13 .9770
 SG1 2114.1 SG2 483.4 THA 47.97

ORBIT DETERMINATION ACCURACY

ST 301.4 SR 188.3 SS 158.2
 CRT .0178 CRS -.5824 CST -.7760
 LSA 329.2 MSA 204.0 SSA 36.5
 EL1 301.5 EL2 188.2 ALF 1.04

LAUNCH DATE JUN 26 1967

FLIGHT TIME 128.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 359.268

RL 152.07 LAL .00 LOL 273.73 VL 27.048 GAL -4.14 AZL 89.94 HCA 162.93 SMA 130.89 ECC .17674 INC .0504 V1 29.298
 RP 107.78 LAP .02 LOP 76.66 VP 38.063 GAP .44 AZP 90.05 TAL 199.97 TAP 2.90 RCA 107.76 APO 154.03 V2 35.160
 RC 93.352 GL .49 GP -38.53 ZAL 131.15 ZAP 97.55 ETS 354.62 ZAE 142.40 ETE 246.36 ZAC 113.11 ETC .78 CLP -99.67

PLANETOCENTRIC CONIC

C3 9.496 VHL 3.082 DLA 14.45 RAL 145.09 RAD 6567.3 VEL 11.441 PTH 1.98 VHP 3.674 DPA -23.80 RAP 145.56 ECC 1.1563
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 54 23 2518.01 -25.59 61.65 359.24 102.56 1 36 21 1918.0 -23.60 53.54
 90.00 16 40 21 4229.59 .99 173.63 355.51 61.70 17 50 50 3629.6 -2.80 167.00
 100.00 2 23 27 2230.76 -26.58 40.26 358.97 104.20 3 0 38 1630.8 -24.37 32.16
 100.00 17 53 58 3992.08 1.89 155.67 355.01 60.16 19 0 30 3392.1 -2.10 149.15
 110.00 3 48 59 1963.12 -29.18 19.06 358.11 108.65 4 21 42 1363.1 -26.36 11.02
 110.00 18 44 55 3832.49 4.19 142.13 353.58 56.04 19 48 47 3232.5 -.30 135.92

DIFFERENTIAL CORRECTIONS

TOE .1650 TRA -.4371 TC3-2.3811 BAU .4717
 RDE .0046 RRA -.1479 RC3-2.8528 FAU .14018
 FDE .3454 FRA -.5536 FC-12.7803 BSP 7371
 BDE .1650 BRA .4615 BC3 3.7159 FSP -2194

MID-COURSE EXECUTION ACCURACY

SGT 1718.1 SGR 1781.0 SG3 689.0
 RRT .9219 RRF .9968 RTF .9232
 SGB 2474.7 R23 .1789 R13 .9807
 SG1 2426.0 SG2 488.6 THA 46.12

ORBIT DETERMINATION ACCURACY

ST 399.3 SR 100.6 SS 239.7
 CRT .6578 CRS -.5947 CST -.9544
 LSA 466.2 MSA 78.7 SSA 58.4
 EL1 404.9 EL2 74.7 ALF 9.74

LAUNCH DATE JUN 26 1967

FLIGHT TIME 130.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 365.569

RL 152.07 LAL .00 LOL 273.73 VL 27.034 GAL -4.04 AZL 89.13 HCA 166.15 SMA 130.80 ECC .17682 INC .8667 V1 29.298
 RP 107.75 LAP .21 LOP 79.88 VP 38.063 GAP .84 AZP 90.84 TAL 199.44 TAP 5.59 RCA 107.67 APO 153.93 V2 35.170
 RC 95.596 GL 7.59 GP -44.24 ZAL 129.88 ZAP 100.64 ETS 350.35 ZAE 135.77 ETE 243.87 ZAC 114.46 ETC 357.10 CLP-104.94

PLANETOCENTRIC CONIC

C3 9.530 VHL 3.087 DLA 20.87 RAL 148.42 RAD 6567.3 VEL 11.442 PTH 1.98 VHP 4.024 DPA -28.45 RAP 141.49 ECC 1.1568
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 1 56 2767.56 -28.06 79.46 4.95 93.99 0 48 4 2167.6 -27.21 70.90
 90.00 17 59 18 3981.46 -6.96 159.73 .37 62.48 19 5 39 3381.5 -10.59 152.94
 100.00 1 37 12 2460.36 -29.34 56.73 4.82 95.97 2 18 13 1860.4 -28.21 48.11
 100.00 19 6 43 3763.89 -5.82 143.12 359.75 60.63 20 9 27 3163.9 -9.69 136.47
 110.00 3 14 58 2154.54 -32.54 32.95 4.26 101.08 3 50 52 1554.5 -30.68 24.23
 110.00 19 45 27 3642.48 -3.07 132.21 358.04 55.94 20 46 10 3042.5 -7.52 125.95

DIFFERENTIAL CORRECTIONS

TOE .3114 TRA -.3971 TC3-2.7901 BAU .5349
 RDE .1496 RRA -.0902 RC3-3.1370 FAU .11757
 FDE .7288 FRA -.2453 FC-10.6803 BSP 8403
 BDE .3455 BRA .4072 BC3 4.1982 FSP -1862

MID-COURSE EXECUTION ACCURACY

SGT 1980.9 SGR 1964.8 SG3 583.1
 RRT .9348 RRF .9980 RTF .9369
 SGB 2790.1 R23 .1708 R13 .9834
 SG1 2744.2 SG2 503.7 THA 44.75

ORBIT DETERMINATION ACCURACY

ST 626.7 SR 288.8 SS 477.9
 CRT .9738 RS -.9949 CST -.9594
 LSA 831.6 MSA 112.5 SSA 19.2
 EL1 687.4 EL2 59.8 ALF 24.36

LAUNCH DATE JUN 26 1967

FLIGHT TIME 132.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 371.846

RL 152.07 LAL .00 LOL 273.73 VL 27.018 GAL -3.93 AZL 87.84 HCA 169.38 SMA 130.68 ECC .17702 INC 2.1588 V1 29.298
 RP 107.72 LAP .40 LOP 83.11 VP 38.060 GAP 1.23 AZP 92.12 TAL 198.84 TAP 8.22 RCA 107.55 APO 153.82 V2 35.180
 RC 97.843 GL 18.43 GP -51.72 ZAL 126.83 ZAP 102.39 ETS 345.03 ZAE 127.69 ETE 242.29 ZAC 115.03 ETC 352.34 CLP-110.26

PLANETOCENTRIC CONIC

C3 10.321 VHL 3.213 DLA 30.60 RAL 153.87 RAD 6567.4 VEL 11.477 PTH 1.99 VHP 4.640 DPA -34.72 RAP 136.42 ECC 1.1699
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.90 19 43 26 3702.40 -24.66 147.38 12.96 71.29 20 45 9 3102.4 -26.98 139.29
 102.10 22 57 20 3078.32 -24.65 101.38 12.95 71.27 23 48 39 2478.3 -26.97 93.29
 77.90 19 43 26 3702.40 -24.66 147.38 12.96 71.29 20 45 9 3102.4 -26.98 139.29
 102.10 22 57 20 3078.32 -24.65 101.38 12.95 71.27 23 48 39 2478.3 -26.97 93.29
 110.00 1 51 27 2546.38 -33.60 63.25 15.26 83.33 2 33 53 1946.4 -34.16 54.05
 110.00 21 52 26 3282.33 -16.31 112.73 8.88 59.53 22 47 8 2682.3 -20.23 105.80

DIFFERENTIAL CORRECTIONS

TOE .5982 TRA -.2969 TC3-2.9433 BAU .5963
 RDE .3948 RRA .0174 RC3-3.1637 FAU .08951
 FDE 1.0893 FRA .0679 FC3-7.5076 BSP 9465
 BDE .7167 BRA .2974 BC3 4.3211 FSP -1446

MID-COURSE EXECUTION ACCURACY

SGT 2256.7 SGR 2151.6 SG3 449.5
 RRT .9419 RRF .9987 RTF .9462
 SGB 3118.0 R23 .1624 R13 .9856
 SG1 3072.5 SG2 531.0 THA 43.55

ORBIT DETERMINATION ACCURACY

ST 1084.1 SR 706.7 SS 781.2
 CRT .9821 CRS -.9999 CST -.9813
 LSA 1504.7 MSA 144.6 SSA 6.7
 EL1 1289.3 EL2 111.8 ALF 32.91

LAUNCH DATE JUN 26 1967

FLIGHT TIME 134.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 378.091

RL 152.07 LAL .00 LOL 273.73 VL 26.999 GAL -3.80 AZL 85.44 MCA 172.59 SMA 130.55 ECC .17731 INC 4.5592 V1 29.298
 RP 107.69 LAP .59 LOP 86.34 VP 38.056 GAP 1.61 AZP 94.52 TAL 198.17 TAP 10.76 RCA 107.40 APO 153.70 V2 35.190
 RC 100.092 GL 34.85 GP -61.86 ZAL 119.87 ZAP 102.12 ETS 338.17 ZAE 117.37 ETE 240.66 ZAC 114.41 ETC 345.80 CLP-116.43

PLANETOCENTRIC CONIC

C3 14.040 VHL 3.747 DLA 44.84 RAL 164.49 RAD 6567.6 VEL 11.637 PTH 2.04 VHP 5.903 DPA -43.17 RAP 128.91 ECC 1.2311
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.65 18 14 40 4156.08 -33.04 188.45 33.67 57.76 19 23 56 3556.1 -37.02 180.39
 126.35 1 54 46 2754.35 -33.02 79.94 33.66 57.74 2 40 40 2154.4 -37.01 71.89
 53.65 18 14 40 4156.08 -33.04 188.45 33.67 57.76 19 23 56 3556.1 -37.02 180.39
 126.35 1 54 46 2754.35 -33.02 79.94 33.66 57.74 2 40 40 2154.4 -37.01 71.89
 53.65 18 14 40 4156.08 -33.04 188.45 33.67 57.76 19 23 56 3556.1 -37.02 180.39
 126.35 1 54 46 2754.35 -33.02 79.94 33.66 57.74 2 40 40 2154.4 -37.01 71.89

DIFFERENTIAL CORRECTIONS

TDE 1.2103 TRA -.0580 TC3-2.4090 BAU .6436
 RDE .8177 RRA .2380 RC3-2.4402 FAU .05682
 FDE 1.3141 FRA .3476 FC3-3.5039 BSP 10524
 BDE 1.4607 BRA .2449 BC3 3.4290 FSP -956

MID-COURSE EXECUTION ACCURACY

SGT 2588.5 SGR 2274.0 SG3 292.9
 RRT .9431 RRF .9986 RTF .9533
 SGB 3445.4 R23 .1569 R13 .9868
 SG1 3396.9 SG2 576.0 THA 41.08

ORBIT DETERMINATION ACCURACY

ST 1851.9 SR 1261.0 SS 1032.1
 CRT .9897 CRS -.9999 CST -.9913
 LSA 2460.9 MSA 169.9 SSA 2.9
 EL1 2235.5 EL2 149.3 ALF 34.15

LAUNCH DATE JUN 26 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 384.282

RL 152.07 LAL .00 LOL 273.73 VL 26.977 GAL -3.66 AZL 79.43 MCA 175.77 SMA 130.40 ECC .17768 INC10.5718 V1 29.298
 RP 107.66 LAP .78 LOP 89.57 VP 38.049 GAP 1.98 AZP 100.54 TAL 197.41 TAP 13.18 RCA 107.23 APO 153.57 V2 35.199
 RC 102.344 GL 55.81 GP -76.03 ZAL 107.53 ZAP 99.02 ETS 325.66 ZAE 103.08 ETE 233.82 ZAC 112.15 ETC 332.81 CLP-130.51

PLANETOCENTRIC CONIC

C3 35.657 VHL 5.971 DLA 60.02 RAL 189.41 RAD 6568.4 VEL 12.531 PTH 2.27 VHP 9.380 DPA -53.98 RAP 113.87 ECC 1.5868
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 34.58 18 55 27 4513.52 -30.09 222.96 79.89 35.28 20 10 41 3913.5 -36.50 217.64
 145.42 4 32 50 2845.16 -30.08 86.16 79.88 35.27 5 20 15 2245.2 -36.49 80.84
 34.58 18 55 27 4513.52 -30.09 222.96 79.89 35.28 20 10 41 3913.5 -36.50 217.64
 145.42 4 32 50 2845.16 -30.08 86.16 79.88 35.27 5 20 15 2245.2 -36.49 80.84
 34.58 18 55 27 4513.52 -30.09 222.96 79.89 35.28 20 10 41 3913.5 -36.50 217.64
 145.42 4 32 50 2845.16 -30.08 86.16 79.88 35.27 5 20 15 2245.2 -36.49 80.84

DIFFERENTIAL CORRECTIONS

TDE 2.6610 TRA .7313 TC3 -.9822 BAU .6007
 RDE 1.1303 RRA .7314 RC3 -.7894 FAU .02393
 FDE 1.1231 FRA .5536 FC3 -.5809 BSP 11312
 BDE 2.8911 BRA 1.0343 BC3 1.2601 FSP -472

MID-COURSE EXECUTION ACCURACY

SGT 3141.2 SGR 2009.4 SG3 143.9
 RRT .9264 RRF .9910 RTF .9670
 SGB 3728.9 R23 .1463 R13 .9887
 SG1 3672.3 SG2 647.2 THA 31.75

ORBIT DETERMINATION ACCURACY

ST 2588.0 SR 1163.8 SS 910.9
 CRT .9786 CRS -.9966 CST -.9923
 LSA 2971.2 MSA 232.5 SSA 1.4
 EL1 2829.2 EL2 219.1 ALF 23.91

LAUNCH DATE JUN 26 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 390.144

RL 152.07 LAL .00 LOL 273.73 VL 26.953 GAL -3.45 AZL 43.89 MCA 178.67 SMA 130.24 ECC .17781 INC46.1054 V1 29.298
 RP 107.63 LAP .96 LOP 92.80 VP 38.040 GAP 2.25 AZP 136.10 TAL 196.34 TAP 15.00 RCA 107.08 APO 153.39 V2 35.208
 RC 104.596 GL 60.93 GP -69.86 ZAL 94.39 ZAP 93.06 ETS 193.33 ZAE 72.49 ETE 105.86 ZAC 108.95 ETC 195.40 CLP 98.92

PLANETOCENTRIC CONIC

C3 492.077 VHL 22.183 DLA 55.07 RAL 212.34 RAD 6572.3 VEL 24.766 PTH 3.33 VHP 30.719 DPA -57.52 RAP 58.26 ECC 9.0983
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 40.57 20 42 52 4963.07 -2.15 235.11 120.85 34.96 22 5 35 4363.1 -8.69 230.90
 139.43 5 48 20 3357.86 -2.13 106.04 120.83 34.96 6 44 18 2757.9 -8.68 101.84
 40.57 20 42 52 4963.07 -2.15 235.11 120.85 34.96 22 5 35 4363.1 -8.69 230.90
 139.43 5 48 20 3357.86 -2.13 106.04 120.83 34.96 6 44 18 2757.9 -8.68 101.84
 40.57 20 42 52 4963.07 -2.15 235.11 120.85 34.96 22 5 35 4363.1 -8.69 230.90
 139.43 5 48 20 3357.86 -2.13 106.04 120.83 34.96 6 44 18 2757.9 -8.68 101.84

DIFFERENTIAL CORRECTIONS

TDE-2.3076 TRA .1540 TC3 -.0443 BAU 1.3337
 RDE-6.4572 RRA-6.8397 RC3 -.1978 FAU-.02120
 FDE 1.0744 FRA 1.3606 FC3 .0373 BSP 9676
 BDE 6.8571 BRA 6.8415 BC3 .2027 FSP -167

MID-COURSE EXECUTION ACCURACY

SGT 631.4 SGR 3615.4 SG3 59.9
 RRT .4171 RRF -.9976 RTF -.3545
 SGB 3670.1 R23 -.0795 R13 -.9968
 SG1 3625.2 SG2 572.3 THA 85.73

ORBIT DETERMINATION ACCURACY

ST 596.4 SR 1907.6 SS 884.0
 CRT .8569 CRS .9969 CST .8134
 LSA 2163.0 MSA 312.1 SSA .7
 EL1 1976.5 EL2 296.7 ALF 74.65

LAUNCH DATE JUN 26 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 397.076

RL 152.07 LAL .00 LOL 273.73 VL 26.927 GAL -3.44 AZL 116.33 MCA 182.58 SMA 130.06 ECC .17924 INC26.3250 V1 29.298
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.029 GAP 2.81 AZP 63.70 TAL 196.11 TAP 18.69 RCA 106.75 APO 153.37 V2 35.216
 RC 106.849 GL -65.34 GP 82.28 ZAL 97.40 ZAP 97.64 ETS 123.41 ZAE 87.22 ETE 210.32 ZAC 83.49 ETC 112.73 CLP 172.06

PLANETOCENTRIC CONIC

C3 172.062 VHL 13.117 DLA -52.45 RAL 131.58 RAD 6570.9 VEL 17.129 PTH 2.93 VHP 15.043 DPA 73.12 RAP 282.22 ECC 3.8317
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 43.81 3 31 59 2169.31 9.03 58.91 34.55 141.90 4 8 8 1569.3 15.28 54.22
 136.19 12 14 57 604.52 9.05 294.37 34.57 141.90 12 25 2 4.5 15.30 289.68
 43.81 3 31 59 2169.31 9.03 58.91 34.55 141.90 4 8 8 1569.3 15.28 54.22
 136.19 12 14 57 604.52 9.05 294.37 34.57 141.90 12 25 2 4.5 15.30 289.68
 43.81 3 31 59 2169.31 9.03 58.91 34.55 141.90 4 8 8 1569.3 15.28 54.22
 136.19 12 14 57 604.52 9.05 294.37 34.57 141.90 12 25 2 4.5 15.30 289.68

DIFFERENTIAL CORRECTIONS

TDE-4.5365 TRA-1.2096 TC3 -.0172 BAU .0697
 RDE-5.9148 RRA-2.7069 RC3 .0250 FAU .00176
 FDE-2.1716 FRA -.6636 FC3 -.0089 BSP 10653
 BDE 7.4542 BRA 2.9648 BC3 .0303 FSP -256

MID-COURSE EXECUTION ACCURACY

SGT 2163.4 SGR 3231.7 SG3 91.7
 RRT .9724 RRF .9831 RTF .9986
 SGB 3888.9 R23 -.1116 R13 .9937
 SG1 3866.0 SG2 421.6 THA 56.49

ORBIT DETERMINATION ACCURACY

ST 1998.5 SR 2648.3 SS 1246.7
 CRT .9959 CRS -.9974 CST -.9998
 LSA 3541.0 MSA 152.3 SSA .6
 EL1 3314.6 EL2 145.2 ALF 52.99

LAUNCH DATE JUN 26 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 403.143

RL 152.07 LAL .00 LOL 273.73 VL 26.899 GAL -3.25 AZL 103.42 HCA 185.70 SMA 129.87 ECC .17983 INC13.4229 V1 29.298
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.016 GAP 3.13 AZP 76.64 TAL 195.14 TAP 20.84 RCA 106.51 APO 153.22 V2 35.223
 RC 109.101 GL -60.30 GP 65.54 ZAL 102.89 ZAP 107.31 ETS 46.90 ZAE 106.07 ETE 137.84 ZAC 89.38 ETC 38.38 CLP-135.95

PLANETOCENTRIC CONIC

C3 51.514 VHL 7.177 DLA -46.04 RAL 131.06 RAD 6568.9 VEL 13.148 PTH 2.40 VHP 7.408 DPA 71.36 RAP 209.13 ECC 1.8478
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.05 3 57 12 1844.49 20.46 39.35 19.96 132.19 4 27 56 1244.5 25.71 33.20
 127.95 11 45 34 5699.26 20.47 265.85 19.97 132.19 13 20 33 5099.3 25.72 259.69
 52.05 3 57 12 1844.49 20.46 39.35 19.96 132.19 4 27 56 1244.5 25.71 33.20
 127.95 11 45 34 5699.26 20.47 265.85 19.97 132.19 13 20 33 5099.3 25.72 259.69
 52.05 3 57 12 1844.49 20.46 39.35 19.96 132.19 4 27 56 1244.5 25.71 33.20
 127.95 11 45 34 5699.26 20.47 265.85 19.97 132.19 13 20 33 5099.3 25.72 259.69

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-3.2922 TRA-1.9491 TC3 -.7316 BAU .5493 SGT 3610.3 SGR 1639.3 SG3 215.7 ST 2713.0 SR 1511.7 SS 1366.1
 RDE 1.8857 RRA .4017 RC3 .3178 FAU .03327 RRT -.9243 RRF -.9859 RTF .9738 CRT -.9874 CRS .9983 CST -.9950
 FDE-2.6434 FRA -.9267 FC3 -.5591 BSP 12188 SGB 3965.1 R23 .1628 R13 -.9861 LSA 3385.5 MSA 223.4 SSA 1.5
 BDE 3.7940 BRA 1.9901 BC3 .7977 FSP -679 SG1 3923.1 SG2 575.7 THA 156.70 EL1 3098.7 EL2 209.2 ALF 151.03

LAUNCH DATE JUN 26 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 409.281

RL 152.07 LAL .00 LOL 273.73 VL 26.870 GAL -3.07 AZL 99.70 HCA 188.91 SMA 129.67 ECC .18063 INC 9.7044 V1 29.298
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.001 GAP 3.48 AZP 80.41 TAL 194.19 TAP 23.10 RCA 106.25 APO 153.09 V2 35.230
 RC 111.351 GL -54.48 GP 51.43 ZAL 105.82 ZAP 115.95 ETS 39.46 ZAE 117.19 ETE 137.56 ZAC 94.95 ETC 32.13 CLP-134.58

PLANETOCENTRIC CONIC

C3 30.877 VHL 5.557 DLA -40.68 RAL 134.29 RAD 6568.2 VEL 12.339 PTH 2.22 VHP 5.527 DPA 61.08 RAP 183.71 ECC 1.5082
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 59.49 4 40 5 1635.22 23.56 23.31 13.79 124.17 5 7 20 1035.2 27.87 16.24
 120.51 11 28 27 5650.91 23.57 264.17 13.80 124.16 13 2 38 5050.9 27.88 257.10
 59.49 4 40 5 1635.22 23.56 23.31 13.79 124.17 5 7 20 1035.2 27.87 16.24
 120.51 11 28 27 5650.91 23.57 264.17 13.80 124.16 13 2 38 5050.9 27.88 257.10
 59.49 4 40 5 1635.22 23.56 23.31 13.79 124.17 5 7 20 1035.2 27.87 16.24
 120.51 11 28 27 5650.91 23.57 264.17 13.80 124.16 13 2 38 5050.9 27.88 257.10

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4187 TRA-1.5583 TC3 -1.4257 BAU .6361 SGT 3635.8 SGR 1555.3 SG3 345.4 ST 2574.1 SR 1349.5 SS 1555.3
 RDE 1.3024 RRA .3238 RC3 .5845 FAU .06010 RRT -.9392 RRF -.9943 RTF .9670 CRT -.9885 CRS .9994 CST -.9932
 FDE-3.1304 FRA -1.0541 FC3 -1.6850 BSP 12230 SGB 3954.5 R23 .2007 R13 -.9786 LSA 3289.4 MSA 214.7 SSA 2.2
 BDE 2.7471 BRA 1.5916 BC3 1.5409 FSP -1102 SG1 3923.4 SG2 495.0 THA 157.74 EL1 2900.8 EL2 180.8 ALF 152.49

LAUNCH DATE JUN 26 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 415.417

RL 152.07 LAL .00 LOL 273.73 VL 26.839 GAL -2.89 AZL 97.95 HCA 192.14 SMA 129.46 ECC .18154 INC 7.9477 V1 29.298
 RP 107.55 LAP 1.67 LOP 105.75 VP 37.985 GAP 3.82 AZP 82.23 TAL 193.22 TAP 25.36 RCA 105.95 APO 152.96 V2 35.236
 RC 113.598 GL -50.11 GP 41.05 ZAL 107.18 ZAP 122.93 ETS 35.70 ZAE 124.05 ETE 142.20 ZAC 98.97 ETC 29.23 CLP-136.13

PLANETOCENTRIC CONIC

C3 23.336 VHL 4.831 DLA -36.97 RAL 137.32 RAD 6567.9 VEL 12.030 PTH 2.15 VHP 4.843 DPA 52.04 RAP 174.13 ECC 1.3840
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.17 5 19 35 1486.97 24.00 11.28 11.04 119.01 5 44 22 887.0 27.67 3.80
 114.83 11 13 5 5660.23 24.01 265.24 11.05 119.00 12 47 25 5060.2 27.68 257.75
 65.17 5 19 35 1486.97 24.00 11.28 11.04 119.01 5 44 22 887.0 27.67 3.80
 114.83 11 13 5 5660.23 24.01 265.24 11.05 119.00 12 47 25 5060.2 27.68 257.75
 65.17 5 19 35 1486.97 24.00 11.28 11.04 119.01 5 44 22 887.0 27.67 3.80
 114.83 11 13 5 5660.23 24.01 265.24 11.05 119.00 12 47 25 5060.2 27.68 257.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.1002 TRA-1.3784 TC3 -2.0675 BAU .6778 SGT 3792.4 SGR 1309.1 SG3 439.9 ST 2566.3 SR 1096.4 SS 1654.5
 RDE .9206 RRA .2184 RC3 .6677 FAU .07944 RRT -.9411 RRF -.9942 RTF .9653 CRT -.9883 CRS .9996 CST -.9924
 FDE-3.3097 FRA -1.0435 FC3 -2.9472 BSP 12654 SGB 4012.0 R23 .2201 R13 -.9735 LSA 3237.5 MSA 209.7 SSA 3.0
 BDE 2.2931 BRA 1.3956 BC3 2.1727 FSP -1450 SG1 3989.9 SG2 420.6 THA 161.79 EL1 2786.4 EL2 153.7 ALF 157.03

LAUNCH DATE JUN 26 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 421.548

RL 152.07 LAL .00 LOL 273.73 VL 26.807 GAL -2.69 AZL 96.92 HCA 195.37 SMA 129.24 ECC .18257 INC 6.9210 V1 29.298
 RP 107.53 LAP 1.83 LOP 108.9 VP 37.967 GAP 4.16 AZP 83.32 TAL 192.20 TAP 27.58 RCA 105.64 APO 152.83 V2 35.241
 RC 115.842 GL -46.85 GP 33.4 ZAL 107.54 ZAP 128.47 ETS 32.80 ZAE 128.07 ETE 147.50 ZAC 101.58 ETC 26.99 CLP-138.21

PLANETOCENTRIC CONIC

C3 19.563 VHL 4.423 DLA -31.04 RAL 140.06 RAD 6567.8 VEL 11.872 PTH 2.11 VHP 4.572 DPA 45.00 RAP 169.58 ECC 1.3220
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.52 5 54 45 1372.01 23.76 1.99 10.09 115.70 6 17 37 772.0 27.02 354.32
 110.48 10 59 46 5690.30 23.78 267.50 10.10 115.68 12 34 36 5090.3 27.03 259.82
 69.52 5 54 45 1372.01 23.76 1.99 10.09 115.70 6 17 37 772.0 27.02 354.32
 110.48 10 59 46 5690.30 23.78 267.50 10.10 115.68 12 34 36 5090.3 27.03 259.82
 69.52 5 54 45 1372.01 23.76 1.99 10.09 115.70 6 17 37 772.0 27.02 354.32
 110.48 10 59 46 5690.30 23.78 267.50 10.10 115.68 12 34 36 5090.3 27.03 259.82

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9090 TRA-1.2226 TC3 -2.5578 BAU .6871 SGT 3863.0 SGR 1029.0 SG3 473.1 ST 2540.1 SR 861.7 SS 1633.9
 RDE .6635 RRA .1249 RC3 .5997 FAU .08580 RRT -.9316 RRF -.9904 RTF .9609 CRT -.9871 CRS .9996 CST -.9912
 FDE-3.1772 FRA -.8437 FC3 -3.7971 BSP 12084 SGB 3997.7 R23 .2401 R13 -.9666 LSA 3133.8 MSA 208.0 SSA 3.9
 BDE 2.0210 BRA 1.2290 BC3 2.6271 FSP -1470 SG1 3981.2 SG2 363.0 THA 165.95 EL1 2679.1 EL2 130.7 ALF 161.44

LAUNCH DATE JUN 26 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 427.660

RL 152.07 LAL .00 LOL 273.73 VL 26.773 GAL -2.48 AZL 96.24 HCA 198.61 SMA 129.01 ECC .18370 INC 6.2446 V1 29.298
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.948 GAP 4.50 AZP 84.08 TAL 191.16 TAP 29.77 RCA 105.31 APO 152.71 V2 35.246
 RC 118.080 GL -44.35 GP 27.82 ZAL 107.26 ZAP 132.94 ETS 30.41 ZAE 130.30 ETE 152.40 ZAC 103.12 ETC 25.09 CLP-140.38

PLANETOCENTRIC CONIC

C3 17.326 VHL 4.162 DLA -32.71 RAL 142.61 RAD 6567.7 VEL 11.777 PTH 2.08 VHP 4.481 DPA 39.56 RAP 167.24 ECC 1.2851
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.91 6 25 56 1279.20 23.42 354.63 10.16 113.50 6 47 15 679.2 26.40 346.86
 107.09 10 49 0 5726.20 23.44 270.11 10.17 113.49 12 24 26 5126.2 26.41 262.34
 72.91 6 25 56 1279.20 23.42 354.63 10.16 113.50 6 47 15 679.2 26.40 346.86
 107.09 10 49 0 5726.20 23.44 270.11 10.17 113.49 12 24 26 5126.2 26.41 262.34
 110.00 9 51 13 616.35 17.06 302.52 6.74 120.08 10 1 30 16.3 20.93 295.53
 110.00 12 22 53 5437.05 30.13 250.54 12.93 106.97 13 53 30 4837.1 32.15 241.92

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8295 TRA-1.1303 TC3-3.0545 BAU .7179 SGT 4028.2 SGR 844.5 SG3 495.3 ST 2579.8 SR 711.1 SS 1625.4
 RDE .5157 RRA .0801 RC3 .5264 FAU .09018 RRT -.9243 RRF -.9837 RTF .9603 CRT -.9869 CRS .9996 CST -.9908
 FDE-3.0385 FRA -.6945 FC3-4.5064 BSP 12616 SGB 4115.8 R23 .2375 R13 -.9639 LSA 3124.2 MSA 204.7 SSA 4.9
 BDE 1.9008 BRA 1.1331 BC3 3.0995 FSP -1571 SG1 4103.6 SG2 316.4 THA 168.97 EL1 2673.7 EL2 110.6 ALF 164.75

LAUNCH DATE JUN 26 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 433.756

RL 152.07 LAL .00 LOL 273.73 VL 26.739 GAL -2.27 AZL 95.76 HCA 201.85 SMA 128.78 ECC .18494 INC 5.7626 V1 29.298
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.927 GAP 4.83 AZP 84.65 TAL 190.08 TAP 31.94 RCA 104.96 APO 152.60 V2 35.250
 RC 120.312 GL -42.36 GP 23.56 ZAL 106.52 ZAP 136.66 ETS 28.41 ZAE 131.44 ETE 156.60 ZAC 103.89 ETC 23.46 CLP-142.51

PLANETOCENTRIC CONIC

C3 15.850 VHL 3.981 DLA -31.53 RAL 145.09 RAD 6567.6 VEL 11.715 PTH 2.06 VHP 4.481 DPA 35.28 RAP 166.08 ECC 1.2609
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.52 6 53 20 1204.19 23.16 348.79 10.88 112.02 7 13 24 604.2 25.94 340.96
 104.48 10 41 22 5760.44 23.17 272.60 10.88 112.01 12 17 23 5160.4 25.95 264.76
 75.52 6 53 20 1204.19 23.16 348.79 10.88 112.02 7 13 24 604.2 25.94 340.96
 104.48 10 41 22 5760.44 23.17 272.60 10.88 112.01 12 17 23 5160.4 25.95 264.76
 110.00 9 35 36 677.35 14.95 305.98 6.54 121.11 9 46 53 77.3 18.96 299.16
 110.00 12 58 17 5335.28 31.92 243.16 13.99 102.94 14 27 12 4735.3 33.37 234.23

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7851 TRA-1.0413 TC3-3.4874 BAU .7447 SGT 4171.5 SGR 696.9 SG3 497.0 ST 2623.9 SR 600.3 SS 1595.6
 RDE .4167 RRA .0499 RC3 .4332 FAU .09026 RRT -.9104 RRF -.9713 RTF .9592 CRT -.9871 CRS .9997 CST -.9905
 FDE-2.8563 FRA -.5244 FC3-4.9298 BSP 13006 SGB 4229.4 R23 .2270 R13 -.9616 LSA 3122.6 MSA 201.4 SSA 5.9
 BDE 1.8331 BRA 1.0425 BC3 3.5142 FSP -1585 SG1 4219.7 SG2 285.1 THA 171.31 EL1 2690.1 EL2 93.8 ALF 167.26

LAUNCH DATE JUN 26 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 439.836

RL 152.07 LAL .00 LOL 273.73 VL 26.703 GAL -2.04 AZL 95.40 HCA 205.10 SMA 128.54 ECC .18630 INC 5.3999 V1 29.298
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.905 GAP 5.17 AZP 85.11 TAL 188.97 TAP 34.07 RCA 104.60 APO 152.49 V2 35.253
 RC 122.538 GL -40.74 GP 20.27 ZAL 105.44 ZAP 139.84 ETS 26.74 ZAE 131.93 ETE 160.07 ZAC 104.08 ETC 22.05 CLP-144.56

PLANETOCENTRIC CONIC

C3 14.810 VHL 3.848 DLA -30.75 RAL 147.55 RAD 6567.6 VEL 11.670 PTH 2.05 VHP 4.532 DPA 31.83 RAP 165.67 ECC 1.2437
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.47 7 16 56 1145.49 22.99 344.30 12.05 111.01 7 36 1 545.5 25.64 336.43
 102.53 10 37 25 5788.61 23.00 274.65 12.06 111.00 12 13 53 5188.6 25.65 266.78
 77.47 7 16 56 1145.49 22.99 344.30 12.05 111.01 7 36 1 545.5 25.64 336.43
 102.53 10 37 25 5788.61 23.00 274.65 12.06 111.00 12 13 53 5188.6 25.65 266.78
 110.00 9 31 47 706.51 13.92 307.61 7.34 121.54 9 43 34 106.5 17.99 300.86
 110.00 13 21 43 5275.58 32.74 238.69 15.15 100.42 14 49 39 4675.6 33.83 229.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7664 TRA -.9539 TC3-3.8772 BAU .7706 SGT 4307.3 SGR 585.3 SG3 488.4 ST 2677.8 SR 521.1 SS 1560.9
 RDE .3498 RRA .0310 RC3 .3401 FAU .08814 RRT -.8882 RRF -.9503 RTF .9581 CRT -.9878 CRS .9998 CST -.9903
 FDE-2.6733 FRA -.3582 FC3-5.1525 BSP 13403 SGB 4346.9 R23 .2089 R13 -.9597 LSA 3136.8 MSA 197.9 SSA 7.0
 BDE 1.8007 BRA .9544 BC3 3.8921 FSP -1562 SG1 4338.7 SG2 267.0 THA 173.09 EL1 2726.8 EL2 79.7 ALF 169.11

LAUNCH DATE JUN 26 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 445.899

RL 152.07 LAL .00 LOL 273.73 VL 26.667 GAL -1.80 AZL 95.12 HCA 208.34 SMA 128.30 ECC .18776 INC 5.1155 V1 29.298
 RP 107.49 LAP 2.43 LOP 121.98 VP 37.882 GAP 5.50 AZP 85.50 TAL 187.82 TAP 36.17 RCA 104.21 APO 152.39 V2 35.256
 RC 124.755 GL -39.36 GP 17.68 ZAL 104.08 ZAP 142.61 ETS 25.34 ZAE 132.04 ETE 162.92 ZAC 103.85 ETC 20.82 CLP-146.50

PLANETOCENTRIC CONIC

C3 14.044 VHL 3.748 DLA -30.28 RAL 150.04 RAD 6567.6 VEL 11.637 PTH 2.04 VHP 4.614 DPA 28.96 RAP 165.75 ECC 1.2311
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.81 7 36 41 1102.51 22.93 341.06 13.59 110.33 7 55 4 502.5 25.49 333.16
 101.19 10 37 29 5808.07 22.94 276.08 13.59 110.32 12 14 17 5208.1 25.50 268.18
 78.81 7 36 41 1102.51 22.93 341.06 13.59 110.33 7 55 4 502.5 25.49 333.16
 101.19 10 37 29 5808.07 22.94 276.08 13.59 110.32 12 14 17 5208.1 25.50 268.18
 110.00 9 34 6 719.88 13.44 308.35 8.71 121.73 9 46 6 119.9 17.54 301.64
 110.00 13 39 15 5238.70 33.16 235.90 16.60 98.82 15 6 34 4638.7 34.02 226.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7649 TRA -.8651 TC3-4.2298 BAU .7956 SGT 4435.9 SGR 502.8 SG3 474.1 ST 2738.8 SR 464.4 SS 1525.6
 RDE .3037 RRA .0197 RC3 .2535 FAU .08484 RRT -.8556 RRF -.9177 RTF .9570 CRT -.9891 CRS .9998 CST -.9902
 FDE-2.5010 FRA -.2037 FC3-5.2298 BSP 13789 SGB 4464.3 R23 .1857 R13 -.9581 LSA 3163.3 MSA 193.9 SSA 8.1
 BDE 1.7908 BRA .8654 BC3 4.2374 FSP -1519 SG1 4456.8 SG2 259.1 THA 174.44 EL1 2777.1 EL2 67.4 ALF 170.47

LAUNCH DATE JUN 26 1967

FLIGHT TIME 158.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 451.944

RL 152.07 LAL .00 LOL 273.73 VL 26.629 GAL -1.55 AZL 94.89 HCA 211.59 SMA 128.06 ECC .18935 INC 4.8851 V1 29.298
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.858 GAP 5.83 AZP 85.84 TAL 186.65 TAP 38.24 RCA 103.81 APO 152.30 V2 .35.258
 RC 126.964 GL -38.15 GP 15.60 ZAL 102.49 ZAP 145.08 ETS 24.17 ZAE 131.92 ETE 165.25 ZAC 103.29 ETC 19.74 CLP-148.36

PLANETOCENTRIC CONIC

C3 13.469 VHL 3.670 DLA -30.02 RAL 152.58 RAD 6567.5 VEL 11.613 PTH 2.03 VHP 4.716 DPA 26.52 RAP 166.20 ECC 1.2217
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.58 7 52 35 1075.01 22.96 339.02 15.42 109.90 8 10 30 475.0 25.46 331.10
 100.42 10 41 52 5817.25 22.97 276.78 15.42 109.88 12 18 49 5217.2 25.47 268.86
 79.58 7 52 35 1075.01 22.96 339.02 15.42 109.90 8 10 30 475.0 25.46 331.10
 100.42 10 41 52 5817.25 22.97 276.78 15.42 109.88 12 18 49 5217.2 25.47 268.86
 110.00 9 40 24 723.48 13.31 308.55 10.51 121.78 9 52 28 123.5 17.42 301.85
 110.00 13 53 13 5216.77 33.38 234.22 18.33 97.85 15 20 10 4616.8 34.10 225.06

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7761 TRA -.7724 TC3-4.5474 BAU .8194
 RDE .2716 RRA .0137 RC3 .1756 FAU .08089
 FDE-2.3440 FRA -.0618 FC3-5.1995 BSP 14152
 BDE 1.7967 BRA .7725 BC3 4.5508 FSP -1463

SGT 4557.3 SGR 443.9 SG3 456.9
 RRT -.8108 RRF -.8717 RTF .9560
 SGB 4578.9 R23 .1607 R13 -.9567
 SG1 4571.5 SG2 259.0 THA 175.47

ST 2805.9 SR 424.1 SS 1491.8
 CRT -.9909 CRS .9997 CST -.9902
 LSA 3200.4 MSA 189.6 SSA 9.2
 EL1 2837.3 EL2 56.3 ALF 171.48

LAUNCH DATE JUN 26 1967

FLIGHT TIME 160.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 457.972

RL 152.07 LAL .00 LOL 273.73 VL 26.591 GAL -1.28 AZL 94.69 HCA 214.84 SMA 127.81 ECC .19107 INC 4.6937 V1 29.298
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.832 GAP 6.15 AZP 86.14 TAL 185.45 TAP 40.29 RCA 103.39 APO 152.23 V2 35.259
 RC 129.165 GL -37.05 GP 13.91 ZAL 100.71 ZAP 147.31 ETS 23.19 ZAE 131.69 ETE 167.15 ZAC 102.47 ETC 18.80 CLP-150.11

PLANETOCENTRIC CONIC

C3 13.034 VHL 3.610 DLA -29.94 RAL 155.20 RAD 6567.5 VEL 11.594 PTH 2.03 VHP 4.832 DPA 24.39 RAP 166.92 ECC 1.2145
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.84 8 5 0 1061.57 23.06 338.06 17.51 109.64 8 22 42 461.6 25.53 330.13
 100.16 10 50 18 5816.47 23.07 276.76 17.52 109.63 12 27 15 5216.5 25.54 268.82
 79.84 8 5 0 1061.57 23.06 338.06 17.51 109.64 8 22 42 461.6 25.53 330.13
 100.16 10 50 18 5816.47 23.07 276.76 17.52 109.63 12 27 15 5216.5 25.54 268.82
 110.00 9 49 37 720.44 13.42 308.38 12.64 121.74 10 1 38 120.4 17.52 301.67
 110.00 14 4 52 5205.61 33.48 233.37 20.35 97.35 15 31 37 4605.6 34.13 224.19

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.7965 TRA -.6735 TC3-4.8305 BAU .8419
 RDE .2494 RRA .0111 RC3 .1068 FAU .07662
 FDE-2.2019 FRA .0693 FC3-5.0893 BSP 14501
 BDE 1.8138 BRA .6736 BC3 4.8317 FSP -1402

SGT 4670.8 SGR 403.7 SG3 438.3
 RRT -.7543 RRF -.8124 RTF .9549
 SGB 4688.2 R23 .1369 R13 -.9554
 SG1 4680.7 SG2 264.5 THA 176.26

ST 2877.0 SR 395.8 SS 1459.7
 CRT -.9931 CRS .9993 CST -.9902
 LSA 3245.0 MSA 185.0 SSA 10.3
 EL1 2903.7 EL2 46.1 ALF 172.22

LAUNCH DATE JUN 26 1967

FLIGHT TIME 162.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 463.981

RL 152.07 LAL .00 LOL 273.73 VL 26.553 GAL -1.01 AZL 94.53 HCA 218.08 SMA 127.56 ECC .19291 INC 4.5310 V1 29.298
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.805 GAP 6.48 AZP 86.43 TAL 184.23 TAP 42.31 RCA 102.95 APO 152.16 V2 35.259
 RC 131.355 GL -36.03 GP 12.51 ZAL 98.75 ZAP 149.34 ETS 22.38 ZAE 131.39 ETE 168.72 ZAC 101.43 ETC 17.95 CLP-151.78

PLANETOCENTRIC CONIC

C3 12.712 VHL 3.565 DLA -29.99 RAL 157.90 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 4.959 DPA 22.50 RAP 167.85 ECC 1.2092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.69 8 14 37 1059.89 23.22 338.00 19.85 109.53 8 32 17 459.9 25.67 330.05
 100.31 11 2 15 5807.40 23.23 276.14 19.86 109.52 12 39 2 5207.4 25.68 268.19
 79.69 8 14 37 1059.89 23.22 338.00 19.85 109.53 8 32 17 459.9 25.67 330.05
 100.31 11 2 15 5807.40 23.23 276.14 19.86 109.52 12 39 2 5207.4 25.68 268.19
 110.00 10 1 6 712.69 13.70 307.95 15.05 121.63 10 12 59 112.7 17.78 301.22
 110.00 14 14 56 5202.60 33.50 233.14 22.63 97.21 15 41 38 4602.6 34.14 223.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8263 TRA -.5694 TC3-5.0869 BAU .8646
 RDE .2345 RRA .0111 RC3 .0485 FAU .07251
 FDE-2.0726 FRA .1863 FC3-4.9379 BSP 14875
 BDE 1.8413 BRA .5695 BC3 5.0872 FSP -1348

SGT 4784.1 SGR 379.0 SG3 420.3
 RRT -.6912 RRF -.7446 RTF .9542
 SGB 4799.1 R23 .1149 R13 -.9545
 SG1 4791.3 SG2 273.5 THA 176.86

ST 2954.0 SR 376.9 SS 1431.8
 CRT -.9953 CRS .9985 CST -.9904
 LSA 3299.3 MSA 180.1 SSA 11.4
 EL1 2977.7 EL2 36.4 ALF 172.76

LAUNCH DATE JUN 26 1967

FLIGHT TIME 164.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 469.970

RL 152.07 LAL .00 LOL 273.73 VL 26.514 GAL -.72 AZL 94.39 HCA 221.33 SMA 127.30 ECC .19490 INC 4.3904 V1 29.298
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.777 GAP 6.81 AZP 86.70 TAL 182.98 TAP 44.31 RCA 102.49 APO 152.12 V2 35.259
 RC 133.537 GL -35.06 GP 11.34 ZAL 96.63 ZAP 151.22 ETS 21.71 ZAE 131.06 ETE 170.03 ZAC 100.23 ETC 17.20 CLP-153.37

PLANETOCENTRIC CONIC

C3 12.486 VHL 3.534 DLA -30.14 RAL 160.69 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 5.094 DPA 20.78 RAP 168.94 ECC 1.2055
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.23 8 22 21 1066.97 23.42 338.60 22.42 109.53 8 40 8 467.0 25.86 330.63
 100.77 11 16 49 5792.65 23.43 275.12 22.43 109.52 12 53 22 5192.7 25.87 267.16
 79.23 8 22 21 1066.97 23.42 338.60 22.42 109.53 8 40 8 467.0 25.86 330.63
 100.77 11 16 49 5792.65 23.43 275.12 22.43 109.52 12 53 22 5192.7 25.87 267.16
 110.00 10 14 27 701.58 14.09 307.34 17.73 121.47 10 26 8 101.6 18.15 300.58
 110.00 14 23 54 5206.03 33.47 233.40 25.16 97.37 15 50 40 4606.0 34.13 224.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.8633 TRA -.4594 TC3-5.3114 BAU .8866
 RDE .2249 RRA .0128 RC3 -.0011 FAU .06845
 FDE-1.9663 FRA .2911 FC3-4.7460 BSP 15255
 BDE 1.8769 BRA .4596 BC3 5.3114 FSP -1294

SGT 4894.9 SGR 365.5 SG3 402.6
 RRT -.6259 RRF -.6736 RTF .9537
 SGB 4908.5 R23 .0957 R13 -.9540
 SG1 4900.2 SG2 284.8 THA 177.31

ST 3034.5 SR 364.8 SS 1406.0
 CRT -.9972 CRS .9970 CST -.9907
 LSA 3359.7 MSA 174.7 SSA 12.5
 EL1 3056.2 EL2 27.3 ALF 173.16

LAUNCH DATE JUN 26 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 475.941

RL 152.07 LAL .00 LOL 273.73 VL 26.475 GAL -.42 AZL 94.27 HCA 224.58 SMA 127.05 ECC .19703 INC 4.2668 V1 29.298
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.748 GAP 7.14 AZP 86.96 TAL 181.71 TAP 46.28 RCA 102.02 APO 152.08 V2 35.257
 RC 135.709 GL -34.10 GP 10.35 ZAL 94.38 ZAP 152.97 ETS 21.17 ZAE 130.73 ETE 171.12 ZAC 98.88 ETC 16.53 CLP-154.89

PLANETOCENTRIC CONIC

C3 12.345 VHL 3.514 DLA -30.35 RAL 163.59 RAD 6567.5 VEL 11.564 PTH 2.02 VHP 5.237 DPA 19.20 RAP 170.18 ECC 1.2032
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.59 8 29 7 1079.76 23.63 339.64 25.21 109.62 8 47 7 479.8 26.09 331.66
 101.41 11 33 9 5775.04 23.64 273.89 25.22 109.61 13 9 24 5175.0 26.10 265.91
 78.59 8 29 7 1079.76 23.63 339.64 25.21 109.62 8 47 7 479.8 26.09 331.66
 101.41 11 33 9 5775.04 23.64 273.89 25.22 109.61 13 9 24 5175.0 26.10 265.91
 110.00 10 29 19 688.17 14.57 306.59 20.66 121.27 10 40 47 88.2 18.60 299.79
 110.00 14 32 9 5214.63 33.40 234.06 27.92 97.75 15 59 3 4614.6 34.11 224.89

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9035 TRA -.3401 TC3-5.4938 BAU .9067 SGT 4995.2 SGR 360.0 SG3 384.7 ST 3112.2 SR 357.7 SS 1379.0
 RDE .2193 RRA .0154 RC3 -.0431 FAU .06435 RRT -.5626 RRF -.6044 RTF .9531 CRT -.9985 CRS .9947 CST -.9910
 FDE-1.8631 FRA .3894 FC3-4.5124 BSP 15597 SGB 5008.2 R23 .0801 R13 -.9933 LSA 3418.6 MSA 169.5 SSA 13.6
 BDE 1.9161 BRA .3404 BC3 5.4940 FSP -1240 SGI 4999.4 SG2 297.4 THA 177.67 ELI 3132.7 EL2 19.4 ALF 173.45

LAUNCH DATE JUN 26 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 481.891

RL 152.07 LAL .00 LOL 273.73 VL 26.435 GAL -.10 AZL 94.16 HCA 227.82 SMA 126.79 ECC .19932 INC 4.1566 V1 29.298
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.719 GAP 7.48 AZP 87.21 TAL 180.42 TAP 48.24 RCA 101.52 APO 152.07 V2 35.255
 RC 137.871 GL -33.14 GP 9.51 ZAL 92.01 ZAP 154.60 ETS 20.74 ZAE 130.40 ETE 172.03 ZAC 97.41 ETC 15.92 CLP-156.34

PLANETOCENTRIC CONIC

C3 12.286 VHL 3.505 DLA -30.61 RAL 166.58 RAD 6567.5 VEL 11.562 PTH 2.02 VHP 5.386 DPA 17.71 RAP 171.54 ECC 1.2022
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.85 8 35 37 1096.02 23.85 340.94 28.21 109.78 8 53 53 496.0 26.33 332.96
 102.15 11 50 33 5756.72 23.86 272.61 28.22 109.77 13 26 30 5156.7 26.34 264.62
 77.85 8 35 37 1096.02 23.85 340.94 28.21 109.78 8 53 53 496.0 26.33 332.96
 102.15 11 50 33 5756.72 23.86 272.61 28.22 109.77 13 26 30 5156.7 26.34 264.62
 110.00 10 45 25 673.37 15.09 305.76 23.80 121.04 10 56 38 73.4 19.09 298.93
 110.00 14 39 56 5227.37 33.28 235.03 30.90 98.32 16 7 3 4627.4 34.87 225.88

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9556 TRA -.2231 TC3-5.6761 BAU .9323 SGT 5121.6 SGR 361.5 SG3 371.2 ST 3201.5 SR 356.1 SS 1362.3
 RDE .2177 RRA .0197 RC3 -.0731 FAU .06138 RRT -.5130 RRF -.5466 RTF .9549 CRT -.9991 CRS .9920 CST -.9916
 FDE-1.7827 FRA .4615 FC3-4.3253 BSP 16255 SGB 5134.4 R23 .0641 R13 -.9550 LSA 3493.6 MSA 162.5 SSA 14.6
 BDE 1.9677 BRA .2239 BC3 5.6765 FSP -1237 SGI 5125.0 SG2 310.2 THA 177.92 ELI 3221.2 EL2 15.0 ALF 173.66

LAUNCH DATE JUN 26 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 487.820

RL 152.07 LAL .00 LOL 273.73 VL 26.395 GAL .23 AZL 94.06 HCA 231.07 SMA 126.54 ECC .20177 INC 4.0572 V1 29.298
 RP 107.50 LAP 3.16 LOP 144.73 VP 37.688 GAP 7.81 AZP 87.45 TAL 179.11 TAP 50.18 RCA 101.01 APO 152.07 V2 35.253
 RC 140.023 GL -32.17 GP 8.79 ZAL 89.53 ZAP 156.14 ETS 20.41 ZAE 130.09 ETE 172.81 ZAC 95.84 ETC 15.37 CLP-157.72

PLANETOCENTRIC CONIC

C3 12.305 VHL 3.508 DLA -30.90 RAL 169.67 RAD 6567.5 VEL 11.563 PTH 2.02 VHP 5.542 DPA 16.31 RAP 172.99 ECC 1.2025
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.07 8 42 21 1114.09 24.06 342.38 31.41 110.00 9 0 55 514.1 26.57 334.39
 102.93 12 8 29 5739.32 24.07 271.38 31.42 109.99 13 44 8 5139.3 26.57 263.39
 77.07 8 42 21 1114.09 24.06 342.38 31.41 110.00 9 0 55 514.1 26.57 334.39
 102.93 12 8 29 5739.32 24.07 271.38 31.42 109.99 13 44 8 5139.3 26.57 263.39
 110.00 11 2 32 657.99 15.63 304.89 27.16 120.80 11 13 30 58.0 19.59 298.02
 110.00 14 47 29 5243.41 33.11 236.26 34.08 99.02 16 14 52 4643.4 34.00 227.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9933 TRA -.0773 TC3-5.7483 BAU .9458 SGT 5185.2 SGR 364.7 SG3 351.6 ST 3258.4 SR 355.1 SS 1324.8
 RDE .2173 RRA .0223 RC3 -.1034 FAU .05685 RRT -.4597 RRF -.4892 RTF .9528 CRT -.9988 CRS .9878 CST -.9916
 FDE-1.6818 FRA .5606 FC3-3.9996 BSP 16237 SGB 5198.0 R23 .0558 R13 -.9529 LSA 3531.7 MSA 159.5 SSA 15.6
 BDE 2.0051 BRA .0805 BC3 5.7493 FSP -1137 SGI 5187.9 SG2 323.7 THA 178.14 ELI 3277.7 EL2 17.2 ALF 173.79

LAUNCH DATE JUN 26 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 493.729

RL 152.07 LAL .00 LOL 273.73 VL 26.355 GAL .57 AZL 93.97 HCA 234.31 SMA 126.28 ECC .20440 INC 3.9666 V1 29.298
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.657 GAP 8.15 AZP 87.68 TAL 177.78 TAP 52.10 RCA 100.47 APO 152.09 V2 35.249
 RC 142.165 GL -31.17 GP 8.16 ZAL 86.96 ZAP 157.59 ETS 20.19 ZAE 129.80 ETE 173.47 ZAC 94.18 ETC 14.88 CLP-159.05

PLANETOCENTRIC CONIC

C3 12.404 VHL 3.522 DLA -31.20 RAL 172.86 RAD 6567.5 VEL 11.567 PTH 2.02 VHP 5.703 DPA 14.96 RAP 174.53 ECC 1.2041
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.32 8 49 37 1132.85 24.24 343.86 34.80 110.27 9 8 30 532.9 26.78 335.87
 103.68 12 26 35 5723.96 24.26 270.30 34.81 110.25 14 1 59 5124.0 26.79 262.31
 76.32 8 49 37 1132.85 24.24 343.86 34.80 110.27 9 8 30 532.9 26.78 335.87
 103.68 12 26 35 5723.96 24.26 270.30 34.81 110.25 14 1 59 5124.0 26.79 262.31
 110.00 11 20 22 642.85 16.15 304.03 30.71 120.54 11 31 5 42.9 20.08 297.12
 110.00 14 55 0 5261.96 32.90 237.67 37.45 99.83 16 22 42 4662.0 33.91 228.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0404 TRA .0715 TC3-5.7970 BAU .9615 SGT 5264.1 SGR 371.6 SG3 335.1 ST 3321.9 SR 358.0 SS 1295.3
 RDE .2199 RRA .0256 RC3 -.1248 FAU .05297 RRT -.4202 RRF -.4458 RTF .9520 CRT -.9976 CRS .9830 CST -.9919
 FDE-1.5994 FRA .6417 FC3-3.6970 BSP 16489 SGB 5277.2 R23 .0486 R13 -.9521 LSA 3580.0 MSA 155.6 SSA 16.5
 BDE 2.0522 BRA .0760 BC3 5.7984 FSP -1082 SGI 5266.4 SG2 337.0 THA 178.29 ELI 3341.0 EL2 24.6 ALF 173.86

LAUNCH DATE JUN 26 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 499.613

RL 152.07 LAL .00 LOL 273.73 VL 26.314 GAL .93 AZL 93.88 HCA 237.56 SMA 126.03 ECC .20722 INC 3.8831 V1 29.298
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.624 GAP 8.50 AZP 87.91 TAL 176.44 TAP 54.00 RCA 99.91 APO 152.14 V2 35.245
 RC 144.295 GL -30.15 GP 7.61 ZAL 84.31 ZAP 158.97 ETS 20.06 ZAE 129.52 ETE 174.03 ZAC 92.43 ETC 14.43 CLP-160.33

PLANETOCENTRIC CONIC

C3 12.586 VHL 3.548 OLA -31.49 RAL 176.11 RAD 6567.5 VEL 11.575 PTH 2.02 VHP 5.870 DPA 13.67 RAP 176.13 ECC 1.2071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.61 8 57 42 1151.40 24.38 345.32 38.36 110.57 9 16 54 551.4 26.96 337.34
 104.39 12 44 29 5711.61 24.40 269.42 38.37 110.56 14 19 41 5111.6 26.97 261.43
 75.61 8 57 42 1151.40 24.38 345.32 38.36 110.57 9 16 54 551.4 26.96 337.34
 104.39 12 44 29 5711.61 24.40 269.42 38.37 110.56 14 19 41 5111.6 26.97 261.43
 110.00 11 38 38 628.86 16.63 303.23 34.43 120.30 11 49 6 28.9 20.53 296.28
 110.00 15 2 44 5282.15 32.66 239.19 41.00 100.70 16 30 46 4682.2 33.79 230.14

DIFFERENTIAL CORRECTIONS

TOE-2.0894 TRA .2254 TC3-5.8185 BAU .9793
 RDE .2247 RRA .0290 RC3 -.1383 FAU .04968
 FDE-1.5241 FRA .7113 FC3-3.4173 BSP 16792
 BDE 2.1015 BRA .2272 BC3 5.8202 FSP -1038

MID-COURSE EXECUTION ACCURACY

SGT 5349.1 SGR 379.9 SG3 320.4
 RRT -.3917 RRF -.4125 RTF .9523
 SGB 5362.6 R23 .0412 R13 -.9524
 SG1 5351.2 SG2 349.4 THA 178.40

ORBIT DETERMINATION ACCURACY

ST 3379.2 SR 363.3 SS 1265.7
 CRT -.9955 CRS .9777 CST -.9922
 LSA 3623.5 MSA 151.9 SSA 17.4
 EL1 3398.5 EL2 34.1 ALF 173.89

LAUNCH DATE JUN 26 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

DISTANCE 505.473

RL 152.07 LAL .00 LOL 273.73 VL 26.274 GAL 1.30 AZL 93.81 HCA 240.80 SMA 125.77 ECC .21024 INC 3.8054 V1 29.298
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.591 GAP 8.85 AZP 88.14 TAL 175.09 TAP 55.89 RCA 99.33 APO 152.21 V2 35.240
 RC 146.414 GL -29.09 GP 7.13 ZAL 81.61 ZAP 160.28 ETS 20.04 ZAE 129.26 ETE 174.51 ZAC 90.62 ETC 14.03 CLP-161.57

PLANETOCENTRIC CONIC

C3 12.854 VHL 3.585 OLA -31.76 RAL 179.43 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 6.044 DPA 12.41 RAP 177.80 ECC 1.2115
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.99 9 6 39 1169.43 24.47 346.73 42.08 110.90 9 26 8 569.4 27.09 338.75
 105.01 13 2 2 5702.64 24.48 268.78 42.09 110.89 14 37 5 5102.6 27.10 260.80
 74.99 9 6 39 1169.43 24.47 346.73 42.08 110.90 9 26 8 569.4 27.09 338.75
 105.01 13 2 2 5702.64 24.48 268.78 42.09 110.89 14 37 5 5102.6 27.10 260.80
 110.00 11 57 0 616.86 17.04 302.55 38.30 120.09 12 7 16 16.9 20.91 295.56
 110.00 15 10 52 5303.20 32.38 240.77 44.70 101.60 16 39 15 4703.2 33.64 231.76

DIFFERENTIAL CORRECTIONS

TOE-2.1370 TRA .3915 TC3-5.7900 BAU .9953
 RDE .2313 RRA .0319 RC3 -.1466 FAU .04647
 FDE-1.4519 FRA .7790 FC3-3.1298 BSP 17067
 BDE 2.1495 BRA .3928 BC3 5.7919 FSP -995

MID-COURSE EXECUTION ACCURACY

SGT 5426.0 SGR 389.0 SG3 306.2
 RRT -.3705 RRF -.3874 RTF .9525
 SGB 5439.9 R23 .0354 R13 -.9525
 SG1 5427.9 SG2 361.2 THA 178.47

ORBIT DETERMINATION ACCURACY

ST 3424.5 SR 370.1 SS 1233.7
 CRT -.9926 CRS .9717 CST -.9925
 LSA 3655.6 MSA 149.4 SSA 18.1
 EL1 3444.1 EL2 44.7 ALF 173.88

LAUNCH DATE JUN 26 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

DISTANCE 511.308

RL 152.07 LAL .00 LOL 273.73 VL 26.233 GAL 1.70 AZL 93.73 HCA 244.05 SMA 125.52 ECC .21348 INC 3.7325 V1 29.298
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.558 GAP 9.21 AZP 88.36 TAL 173.72 TAP 57.77 RCA 98.72 APO 152.31 V2 35.234
 RC 148.521 GL -28.00 GP 6.71 ZAL 78.86 ZAP 161.53 ETS 20.11 ZAE 129.03 ETE 174.93 ZAC 88.75 ETC 13.66 CLP-162.76

PLANETOCENTRIC CONIC

C3 13.216 VHL 3.635 OLA -31.99 RAL 182.80 RAD 6567.5 VEL 11.602 PTH 2.03 VHP 6.224 DPA 11.19 RAP 179.52 ECC 1.2175
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.46 9 16 30 1186.59 24.49 348.04 45.94 111.25 9 36 17 586.6 27.16 340.07
 105.54 13 19 3 5697.46 24.51 268.40 45.95 111.23 14 54 0 5097.5 27.17 260.43
 74.46 9 16 30 1186.59 24.49 348.04 45.94 111.25 9 36 17 586.6 27.16 340.07
 105.54 13 19 3 5697.46 24.51 268.40 45.95 111.23 14 54 0 5097.5 27.17 260.43
 110.00 12 15 7 607.81 17.35 302.03 42.28 119.92 12 25 15 7.8 21.20 295.01
 110.00 15 19 37 5324.23 32.08 242.34 48.55 102.48 16 48 21 4724.2 33.47 233.38

DIFFERENTIAL CORRECTIONS

TOE-2.1806 TRA .5698 TC3-5.7088 BAU 1.0090
 RDE .2396 RRA .0342 RC3 -.1503 FAU .04329
 FDE-1.3808 FRA .8438 FC3-2.8356 BSP 17256
 BDE 2.1937 BRA .5709 BC3 5.7108 FSP -948

MID-COURSE EXECUTION ACCURACY

SGT 5492.0 SGR 398.2 SG3 292.3
 RRT -.3552 RRF -.3688 RTF .9525
 SGB 5506.4 R23 .0309 R13 -.9526
 SG1 5493.8 SG2 372.1 THA 178.52

ORBIT DETERMINATION ACCURACY

ST 3453.6 SR 378.1 SS 1197.8
 CRT -.9889 CRS .9649 CST -.9927
 LSA 3671.9 MSA 148.2 SSA 18.6
 EL1 3473.8 EL2 55.9 ALF 173.82

LAUNCH DATE JUN 26 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

DISTANCE 517.115

RL 152.07 LAL .00 LOL 273.73 VL 26.192 GAL 2.11 AZL 93.66 HCA 247.29 SMA 125.27 ECC .21695 INC 3.6635 V1 29.298
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.523 GAP 9.57 AZP 88.58 TAL 172.34 TAP 59.63 RCA 98.09 APO 152.44 V2 35.228
 RC 150.615 GL -26.88 GP 6.33 ZAL 76.09 ZAP 162.74 ETS 20.29 ZAE 128.81 ETE 175.28 ZAC 86.83 ETC 13.34 CLP-163.91

PLANETOCENTRIC CONIC

C3 13.679 VHL 3.699 OLA -32.17 RAL 186.20 RAD 6567.5 VEL 11.622 PTH 2.04 VHP 6.412 DPA 9.99 RAP 181.28 ECC 1.2251
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.05 9 27 18 1202.68 24.44 349.24 49.92 111.60 9 47 21 602.7 27.16 341.30
 105.95 13 35 21 5696.35 24.45 268.29 49.92 111.59 15 10 17 5096.4 27.16 260.34
 74.05 9 27 18 1202.68 24.44 349.24 49.92 111.60 9 47 21 602.7 27.16 341.30
 105.95 13 35 21 5696.35 24.45 268.29 49.92 111.59 15 10 17 5096.4 27.16 260.34
 110.00 12 32 37 602.68 17.53 301.73 46.35 119.83 12 42 39 2.7 21.36 294.70
 110.00 15 29 13 5344.35 31.78 243.83 52.53 103.31 16 58 17 4744.3 33.28 234.92

DIFFERENTIAL CORRECTIONS

TOE-2.2252 TRA .7561 TC3-5.5934 BAU 1.0233
 RDE .2496 RRA .0358 RC3 -.1494 FAU .04039
 FDE-1.3158 FRA .9025 FC3-2.5559 BSP 17514
 BDE 2.2391 BRA .7570 BC3 5.5954 FSP -911

MID-COURSE EXECUTION ACCURACY

SGT 5560.3 SGR 407.5 SG3 279.4
 RRT -.3465 RRF -.3575 RTF .9529
 SGB 5575.2 R23 .0274 R13 -.9530
 SG1 5562.1 SG2 382.1 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 3474.2 SR 387.2 SS 1162.5
 CRT -.9845 CRS .9578 CST -.9929
 LSA 3680.9 MSA 148.0 SSA 19.0
 EL1 3495.1 EL2 67.5 ALF 173.74

LAUNCH DATE JUN 26 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

DISTANCE 522.892

RL 152.07 LAL .00 LOL 273.73 VL 26.151 GAL 2.54 AZL 93.60 MCA 250.53 SMA 125.01 ECC .22067 INC 3.5977 V1 29.298
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.489 GAP 9.95 AZP 88.80 TAL 170.96 TAP 61.49 RCA 97.43 APO 152.60 V2 35.221
 RC 152.696 GL -25.74 GP 6.00 ZAL 73.32 ZAP 163.90 ETS 20.59 ZAE 128.6J ETE 175.59 ZAC 84.86 ETC 13.04 CLP-165.03

PLANETOCENTRIC CONIC

C3 14.253 VHL 3.775 DLA -32.31 RAL 189.60 RAD 6567.6 VEL 11.646 PTH 2.04 VHP 6.607 DPA 8.81 RAP 183.09 ECC 1.2346
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.76 9 38 56 1217.74 24.31 350.33 53.99 111.96 9 59 14 617.7 27.07 342.42
 106.24 13 50 52 5699.33 24.32 268.46 53.99 111.95 15 25 51 5099.3 27.08 260.54
 73.76 9 38 56 1217.74 24.31 350.33 53.99 111.96 9 59 14 617.7 27.07 342.42
 106.24 13 50 52 5699.33 24.32 268.46 53.99 111.95 15 25 51 5099.3 27.08 260.54
 110.00 12 49 8 602.36 17.54 301.71 50.47 119.82 12 59 10 2.4 21.37 294.68
 110.00 15 39 51 5362.71 31.48 245.18 56.62 104.06 17 9 14 4762.7 33.09 236.32

DIFFERENTIAL CORRECTIONS

TDE-2.2664 TRA .9532 TC3-5.4380 BAU 1.0366
 RDE .2611 RRA .0366 RC3 -.1448 FAU .03761
 FDE-1.2525 FRA .9580 FC3-2.2844 BSP 17756
 BDE 2.2814 BRA .9539 BC3 5.4400 FSP -875

MID-COURSE EXECUTION ACCURACY

SGT 5623.1 SGR 416.3 SG3 267.0
 RRT -.3424 RRF -.3510 RTF .9534
 SGB 5638.5 R23 .0245 R13 -.9534
 SG1 5625.0 SG2 391.0 THA 178.54

ORBIT DETERMINATION ACCURACY

ST 3479.9 SR 396.8 SS 1124.8
 CRT -.9795 CRS .9503 CST -.9931
 LSA 3675.5 MSA 149.3 SSA 19.1
 EL1 3501.5 EL2 79.4 ALF 173.62

LAUNCH DATE JUN 26 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 528.636

RL 152.07 LAL .00 LOL 273.73 VL 26.111 GAL 2.99 AZL 93.53 MCA 253.77 SMA 124.76 ECC .22467 INC 3.5346 V1 29.298
 RP 107.62 LAP 3.39 LOP 167.47 VP 37.453 GAP 10.34 AZP 89.01 TAL 169.56 TAP 63.33 RCA 96.73 APO 152.79 V2 35.214
 RC 154.762 GL -24.57 GP 5.70 ZAL 70.55 ZAP 165.01 ETS 21.02 ZAE 128.42 ETE 175.86 ZAC 82.85 ETC 12.79 CLP-166.12

PLANETOCENTRIC CONIC

C3 14.948 VHL 3.866 DLA -32.38 RAL 192.99 RAD 6567.6 VEL 11.676 PTH 2.05 VHP 6.811 DPA 7.66 RAP 184.93 ECC 1.2460
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.60 9 51 25 1231.61 24.09 351.30 58.13 112.32 10 11 56 631.6 26.90 343.41
 106.40 14 5 27 5706.62 24.10 268.92 58.14 112.31 15 40 34 5106.6 26.91 261.03
 73.60 9 51 25 1231.61 24.09 351.30 58.13 112.32 10 11 56 631.6 26.90 343.41
 106.40 14 5 27 5706.62 24.10 268.92 58.14 112.31 15 40 34 5106.6 26.91 261.03
 110.00 13 4 20 607.59 17.36 302.01 54.61 119.92 13 14 28 7.6 21.21 295.00
 110.00 15 51 42 5378.64 31.21 246.34 60.82 104.70 17 21 21 4778.6 32.91 237.53

DIFFERENTIAL CORRECTIONS

TDE-2.3033 TRA 1.1625 TC3-5.2448 BAU 1.0485
 RDE .2740 RRA .0364 RC3 -.1374 FAU .03495
 FDE-1.1911 FRA 1.0115 FC3-2.0244 BSP 17968
 BDE 2.3195 BRA 1.1631 BC3 5.2466 FSP -840

MID-COURSE EXECUTION ACCURACY

SGT 5679.8 SGR 424.6 SG3 255.1
 RRT -.3420 RRF -.3487 RTF .9538
 SGB 5695.6 R23 .0222 R13 -.9539
 SG1 5681.6 SG2 398.8 THA 178.53

ORBIT DETERMINATION ACCURACY

ST 3469.9 SR 406.5 SS 1085.3
 CRT -.9740 CRS .9422 CST -.9933
 LSA 3655.1 MSA 152.0 SSA 19.1
 EL1 3492.4 EL2 91.5 ALF 173.49

LAUNCH DATE JUN 26 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 534.346

RL 152.07 LAL .00 LOL 273.73 VL 26.070 GAL 3.46 AZL 93.47 MCA 257.01 SMA 124.52 ECC .22896 INC 3.4735 V1 29.298
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.417 GAP 10.73 AZP 89.22 TAL 168.16 TAP 65.17 RCA 96.01 APO 153.03 V2 35.205
 RC 156.813 GL -23.39 GP 5.44 ZAL 67.81 ZAP 166.09 ETS 21.59 ZAE 128.25 ETE 176.09 ZAC 80.81 ETC 12.79 CLP-167.18

PLANETOCENTRIC CONIC

C3 15.778 VHL 3.972 DLA -32.39 RAL 196.35 RAD 6567.6 VEL 11.712 PTH 2.06 VHP 7.024 DPA 6.51 RAP 186.81 ECC 1.2597
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.57 10 4 38 1244.31 23.78 352.13 62.33 112.67 10 25 22 644.3 26.64 344.28
 106.43 14 19 1 5718.24 23.80 269.67 62.34 112.65 15 54 20 5118.2 26.65 261.82
 73.57 10 4 38 1244.31 23.78 352.13 62.33 112.67 10 25 22 644.3 26.64 344.28
 106.43 14 19 1 5718.24 23.80 269.67 62.34 112.65 15 54 20 5118.2 26.65 261.82
 110.00 13 18 1 618.85 16.98 302.66 58.73 120.12 13 28 20 18.9 20.85 295.68
 110.00 16 4 49 5391.69 30.98 247.29 65.11 105.22 17 34 41 4791.7 32.76 238.52

DIFFERENTIAL CORRECTIONS

TDE-2.3334 TRA 1.3868 TC3-5.0124 BAU 1.0576
 RDE .2881 RRA .0350 RC3 -.1281 FAU .03232
 FDE-1.1302 FRA 1.0648 FC3-1.7734 BSP 18102
 BDE 2.3511 BRA 1.3873 BC3 5.0141 FSP -802

MID-COURSE EXECUTION ACCURACY

SGT 5726.9 SGR 432.1 SG3 243.6
 RRT -.3443 RRF -.3492 RTF .9540
 SGB 5743.2 R23 .0203 R13 -.9541
 SG1 5728.9 SG2 405.5 THA 178.50

ORBIT DETERMINATION ACCURACY

ST 3442.2 SR 416.0 SS 1043.6
 CRT -.9677 CRS .9332 CST -.9934
 LSA 3617.4 MSA 156.5 SSA 18.9
 EL1 3465.6 EL2 104.1 ALF 173.32

LAUNCH DATE JUN 26 1967

FLIGHT TIME 188.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 540.018

RL 152.07 LAL .00 LOL 273.73 VL 26.030 GAL 3.96 AZL 93.41 MCA 260.24 SMA 124.27 ECC .23357 INC 3.4141 V1 29.298
 RP 107.67 LAP 3.36 LOP 173.96 VP 37.381 GAP 11.15 AZP 89.42 TAL 166.76 TAP 67.01 RCA 95.24 APO 153.30 V2 35.197
 RC 158.850 GL -22.20 GP 5.20 ZAL 65.11 ZAP 167.14 ETS 22.34 ZAE 128.08 ETE 176.30 ZAC 78.74 ETC 12.37 CLP-168.22

PLANETOCENTRIC CONIC

C3 16.757 VHL 4.094 DLA -32.34 RAL 199.65 RAD 6567.7 VEL 11.753 PTH 2.07 VHP 7.247 DPA 5.38 RAP 188.71 ECC 1.2758
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.68 10 18 32 1255.81 23.39 352.82 66.56 113.00 10 39 28 655.8 26.29 345.03
 106.32 14 31 29 5734.22 23.40 270.71 66.57 112.99 16 7 3 5134.2 26.30 262.91
 73.68 10 18 32 1255.81 23.39 352.82 66.56 113.00 10 39 28 655.8 26.29 345.03
 106.32 14 31 29 5734.22 23.40 270.71 66.57 112.99 16 7 3 5134.2 26.30 262.91
 110.00 13 30 2 636.27 16.38 303.66 62.81 120.43 13 40 38 36.3 20.30 296.72
 110.00 16 19 9 5401.76 30.80 248.01 69.48 105.62 17 49 11 4801.8 32.63 239.27

DIFFERENTIAL CORRECTIONS

TDE-2.3621 TRA 1.6209 TC3-4.7613 BAU 1.0670
 RDE .3036 RRA .0326 RC3 -.1169 FAU .02991
 FDE-1.0737 FRA 1.1141 FC3-1.5453 BSP 18287
 BDE 2.3815 BRA 1.6212 BC3 4.7627 FSP -770

MID-COURSE EXECUTION ACCURACY

SGT 5773.8 SGR 438.8 SG3 232.9
 RRT -.3500 RRF -.3533 RTF .9546
 SGB 5790.4 R23 .0186 R13 -.9546
 SG1 5775.8 SG2 410.9 THA 178.47

ORBIT DETERMINATION ACCURACY

ST 3404.8 SR 425.2 SS 1003.1
 CRT -.9610 CRS .9240 CST -.9935
 LSA 3571.2 MSA 162.0 SSA 18.5
 EL1 3429.3 EL2 116.7 ALF 173.15

LAUNCH DATE JUN 26 1967

FLIGHT TIME 190.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 545.647

RL 152.07 LAL .00 LOL 273.73 VL 25.989 GAL 4.48 AZL 93.36 HCA 263.48 SMA 124.03 ECC .23854 INC 3.3558 V1 29.298
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.344 GAP 11.57 AZP 89.62 TAL 165.36 TAP 68.84 RCA 94.44 APO 153.61 V2 35.187
 RC 160.871 GL -21.00 GP 4.98 ZAL 62.47 ZAP 168.15 ETS 23.29 ZAE 127.93 ETE 176.47 ZAC 76.64 ETC 12.21 CLP-169.24

PLANETOCENTRIC CONIC

C3 17.906 VHL 4.232 DLA -32.23 RAL 202.89 RAD 6567.7 VEL 11.802 PTH 2.09 VHP 7.481 DPA 4.27 RAP 190.63 ECC 1.2947
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.92 10 33 2 1266.11 22.90 353.38 70.80 113.32 10 54 8 666.1 25.85 345.64
 106.08 14 42 45 5754.59 22.91 272.04 70.81 113.31 16 18 40 5154.6 25.87 264.29
 73.92 10 33 2 1266.11 22.90 353.38 70.80 113.32 10 54 8 666.1 25.85 345.64
 106.08 14 42 45 5754.59 22.91 272.04 70.81 113.31 16 18 40 5154.6 25.87 264.29
 110.00 13 40 25 659.60 15.57 304.98 66.84 120.82 13 51 24 59.6 19.54 298.11
 110.00 16 34 33 5409.09 30.67 248.54 73.90 105.90 18 4 42 4809.1 32.54 239.83

DIFFERENTIAL CORRECTIONS

TDE-2.3870 TRA 1.8676 TC3-4.4901 BAU 1.0751
 RDE .3201 RRA .0289 RC3 -.1047 FAU .02762
 FDE-1.0200 FRA 1.1619 FC3-1.3352 BSP 18473
 BDE 2.4084 BRA 1.8678 BC3 4.4913 FSP -741

MID-COURSE EXECUTION ACCURACY

SGT 5815.7 SGR 444.8 SG3 222.7
 RRT -.3580 RRF -.3599 RTF .9552
 SGB 5832.7 R23 .0173 R13 -.9552
 SG1 5817.9 SG2 415.2 THA 178.42

ORBIT DETERMINATION ACCURACY

ST 3356.1 SR 433.7 SS 963.0
 CRT -.9538 CRS .9144 CST -.9935
 LSA 3514.3 MSA 168.5 SSA 18.1
 EL1 3381.5 EL2 129.3 ALF 172.96

LAUNCH DATE JUN 26 1967

FLIGHT TIME 192.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 551.229

RL 152.07 LAL .00 LOL 273.73 VL 25.949 GAL 5.03 AZL 93.30 HCA 266.71 SMA 123.79 ECC .24388 INC 3.2983 V1 29.298
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.307 GAP 12.02 AZP 89.81 TAL 163.96 TAP 70.67 RCA 93.60 APO 153.98 V2 35.178
 RC 162.878 GL -19.82 GP 4.78 ZAL 59.89 ZAP 169.14 ETS 24.48 ZAE 127.79 ETE 176.62 ZAC 74.52 ETC 12.07 CLP-170.24

PLANETOCENTRIC CONIC

C3 19.243 VHL 4.387 DLA -32.06 RAL 206.03 RAD 6567.8 VEL 11.859 PTH 2.10 VHP 7.728 DPA 3.17 RAP 192.58 ECC 1.3167
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.30 10 48 5 1275.19 22.33 353.81 75.03 113.63 11 9 20 675.2 25.33 346.11
 105.70 14 52 47 5779.32 22.34 273.65 75.04 113.61 16 29 6 5179.3 25.34 265.96
 74.30 10 48 5 1275.19 22.33 353.81 75.03 113.63 11 9 20 675.2 25.33 346.11
 105.70 14 52 47 5779.32 22.34 273.65 75.04 113.61 16 29 6 5179.3 25.34 265.96
 110.00 13 49 15 688.29 14.56 306.59 70.79 121.27 14 0 44 88.3 18.60 299.80
 110.00 16 50 47 5414.22 30.57 248.91 78.36 106.10 18 21 1 4814.2 32.47 240.21

DIFFERENTIAL CORRECTIONS

TDE-2.4072 TRA 2.1289 TC3-4.2025 BAU 1.0814
 RDE .3376 RRA .0238 RC3 -.0922 FAU .02541
 FDE -.9684 FRA 1.2090 FC3-1.1433 BSP 18632
 BDE 2.4308 BRA 2.1290 BC3 4.2035 FSP -712

MID-COURSE EXECUTION ACCURACY

SGT 5851.8 SGR 449.8 SG3 213.0
 RRT -.3678 RRF -.3683 RTF .9558
 SGB 5869.1 R23 .0161 R13 -.9558
 SG1 5854.2 SG2 418.1 THA 178.37

ORBIT DETERMINATION ACCURACY

ST 3296.4 SR 441.1 SS 923.6
 CRT -.9459 CRS .9040 CST -.9936
 LSA 3447.1 MSA 176.0 SSA 17.6
 EL1 3322.8 EL2 142.0 ALF 172.77

LAUNCH DATE JUN 26 1967

FLIGHT TIME 194.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 556.760

RL 152.07 LAL .00 LOL 273.73 VL 25.910 GAL 5.61 AZL 93.24 HCA 269.94 SMA 123.55 ECC .24965 INC 3.2412 V1 29.298
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.269 GAP 12.49 AZP 90.00 TAL 162.56 TAP 72.50 RCA 92.70 APO 154.39 V2 35.167
 RC 164.869 GL -18.64 GP 4.61 ZAL 57.38 ZAP 170.10 ETS 25.98 ZAE 127.65 ETE 176.76 ZAC 72.39 ETC 11.98 CLP-171.22

PLANETOCENTRIC CONIC

C3 20.796 VHL 4.560 DLA -31.83 RAL 209.07 RAD 6567.8 VEL 11.924 PTH 2.12 VHP 7.989 DPA 2.08 RAP 194.55 ECC 1.3422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.81 11 3 40 1282.90 21.67 354.08 79.25 113.91 11 25 2 682.9 24.72 346.45
 105.19 15 1 28 5808.54 21.69 275.57 79.25 113.89 16 38 17 5208.5 24.73 267.93
 74.81 11 3 40 1282.90 21.67 354.08 79.25 113.91 11 25 2 682.9 24.72 346.45
 105.19 15 1 28 5808.54 21.69 275.57 79.25 113.89 16 38 17 5208.5 24.73 267.93
 110.00 13 56 44 721.65 13.37 308.45 74.66 121.75 14 8 46 121.7 17.48 301.74
 110.00 17 7 34 5417.79 30.50 249.17 82.83 106.24 18 37 52 4817.8 32.42 240.48

DIFFERENTIAL CORRECTIONS

TDE-2.4203 TRA 2.4079 TC3-3.8991 BAU 1.0843
 RDE .3559 RRA .0171 RC3 -.0800 FAU .02322
 FDE -.9174 FRA 1.2571 FC3 -.9665 BSP 18698
 BDE 2.4463 BRA 2.4080 BC3 3.9000 FSP -680

MID-COURSE EXECUTION ACCURACY

SGT 5880.0 SGR 453.8 SG3 203.8
 RRT -.3786 RRF -.3776 RTF .9562
 SGB 5897.5 R23 .0148 R13 -.9563
 SG1 5882.5 SG2 419.8 THA 178.32

ORBIT DETERMINATION ACCURACY

ST 3224.9 SR 447.2 SS 884.1
 CRT -.9370 CRS .8923 CST -.9936
 LSA 3368.6 MSA 184.6 SSA 17.0
 EL1 3252.1 EL2 154.9 ALF 172.58

LAUNCH DATE JUN 26 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 562.232

RL 152.07 LAL .00 LOL 273.73 VL 25.870 GAL 6.22 AZL 93.18 HCA 273.17 SMA 123.31 ECC .25589 INC 3.1841 V1 29.298
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.232 GAP 12.98 AZP 90.18 TAL 161.16 TAP 74.34 RCA 91.76 APO 154.87 V2 35.156
 RC 166.846 GL -17.49 GP 4.45 ZAL 54.96 ZAP 171.03 ETS 27.88 ZAE 127.51 ETE 176.87 ZAC 70.23 ETC 11.91 CLP-172.20

PLANETOCENTRIC CONIC

C3 22.592 VHL 4.753 DLA -31.56 RAL 212.00 RAD 6567.9 VEL 11.999 PTH 2.14 VHP 8.266 DPA 1.01 RAP 196.54 ECC 1.3718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.45 11 19 44 1289.08 20.95 354.20 83.42 114.16 11 41 13 689.1 24.03 346.63
 104.55 15 8 44 5842.34 20.96 277.78 83.43 114.15 16 46 6 5242.3 24.04 270.20
 75.45 11 19 44 1289.08 20.95 354.20 83.42 114.16 11 41 13 689.1 24.03 346.63
 104.55 15 8 44 5842.34 20.96 277.78 83.43 114.15 16 46 6 5242.3 24.04 270.20
 110.00 14 3 2 758.96 12.03 310.50 78.45 122.24 14 15 41 159.0 16.20 303.88
 110.00 17 24 37 5420.45 30.45 249.36 87.31 106.34 18 54 57 4820.5 32.39 240.68

DIFFERENTIAL CORRECTIONS

TDE-2.4339 TRA 2.6990 TC3-3.5989 BAU 1.0872
 RDE .3751 RRA .0091 RC3 -.0679 FAU .02122
 FDE -.8718 FRA 1.3031 FC3 -.8131 BSP 18846
 BDE 2.4627 BRA 2.6990 BC3 3.5996 FSP -655

MID-COURSE EXECUTION ACCURACY

SGT 5906.9 SGR 456.9 SG3 195.1
 RRT -.3914 RRF -.3891 RTF .9570
 SGB 5924.5 R23 .0137 R13 -.9570
 SG1 5909.6 SG2 420.3 THA 178.26

ORBIT DETERMINATION ACCURACY

ST 3151.3 SR 452.2 SS 848.3
 CRT -.9277 CRS .8807 CST -.9936
 LSA 3289.0 MSA 193.2 SSA 16.4
 EL1 3179.2 EL2 167.3 ALF 172.40

LAUNCH DATE JUN 26 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 567.639

RL 152.07 LAL .00 LOL 273.73 VL 25.831 GAL 6.87 AZL 93.13 MCA 276.40 SMA 123.08 ECC .26263 INC 3.1267 V1 29.298
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.194 GAP 13.49 AZP 90.35 TAL 159.78 TAP 76.18 RCA 90.76 APO 155.40 V2 35.145
 RC 168.808 GL -16.36 GP 4.30 ZAL 52.63 ZAP 171.93 ETS 30.28 ZAE 127.37 ETE 176.97 ZAC 68.08 ETC 11.88 CLP-173.16

PLANETOCENTRIC CONIC

C3 24.666 VHL 4.966 DLA -31.24 RAL 214.80 RAD 6568.0 VEL 12.085 PTH 2.16 VHP 8.560 DPA -.05 RAP 198.53 ECC 1.4059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.23 11 36 20 1293.57 20.15 354.16 87.56 114.39 11 57 53 693.6 23.27 346.64
 103.77 15 14 31 5880.79 20.16 280.30 87.56 114.38 16 52 32 5280.8 23.28 272.79
 76.23 11 36 20 1293.57 20.15 354.16 87.56 114.39 11 57 53 693.6 23.27 346.64
 103.77 15 14 31 5880.79 20.16 280.30 87.56 114.38 16 52 32 5280.8 23.28 272.79
 110.00 14 8 20 799.54 10.55 312.71 82.15 122.71 14 21 39 199.5 14.78 306.17
 110.00 17 41 41 5422.82 30.41 249.53 91.77 106.43 19 12 4 4822.8 32.35 240.85

DIFFERENTIAL CORRECTIONS

TDE-2.4443 TRA 3.0065 TC3-3.2975 BAU 1.0875
 RDE-.3949 RRA -.0005 RC3 -.0567 FAU .01928
 FDE-.8286 FRA 1.3490 FC3 -.6767 BSP 18968
 BDE 2.4760 BRA 3.0065 BC3 3.2980 FSP -630

MID-COURSE EXECUTION ACCURACY

SGT 5927.6 SGR 459.1 SG3 186.9
 RRT -.4053 RRF -.4017 RTF .9578
 SGB 5945.3 R23 .0126 R13 -.9579
 SG1 5930.5 SG2 419.4 THA 178.19

ORBIT DETERMINATION ACCURACY

ST 3072.9 SR 455.6 SS 814.4
 CRT -.9177 CRS .8683 CST -.9937
 LSA 3205.0 MSA 202.0 SSA 15.9
 EL1 3101.3 EL2 179.3 ALF 172.23

LAUNCH DATE JUN 26 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 572.971

RL 152.07 LAL .00 LOL 273.73 VL 25.792 GAL 7.56 AZL 93.07 MCA 279.63 SMA 122.85 ECC .26993 INC 3.0686 V1 29.298
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.156 GAP 14.04 AZP 90.51 TAL 158.40 TAP 78.03 RCA 89.69 APO 156.01 V2 35.134
 RC 170.755 GL -15.25 GP 4.17 ZAL 50.39 ZAP 172.80 ETS 33.35 ZAE 127.23 ETE 177.06 ZAC 65.91 ETC 11.88 CLP-174.12

PLANETOCENTRIC CONIC

C3 27.060 VHL 5.202 DLA -30.88 RAL 217.47 RAD 6568.1 VEL 12.183 PTH 2.19 VHP 8.874 DPA -1.09 RAP 200.55 ECC 1.4453
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.14 11 53 30 1295.98 19.29 353.92 91.63 114.59 12 15 6 696.0 22.44 346.47
 102.86 15 18 41 636.15 19.30 305.25 91.64 114.58 15 29 18 36.1 22.46 297.79
 77.14 11 53 30 1295.98 19.29 353.92 91.63 114.59 12 15 6 696.0 22.44 346.47
 102.86 15 18 41 636.15 19.30 305.25 91.64 114.58 15 29 18 36.1 22.46 297.79
 110.00 14 12 47 842.76 8.95 315.03 85.77 123.13 14 26 50 242.8 13.25 308.58
 110.00 17 58 35 5425.40 30.36 249.71 96.20 106.53 19 29 0 4825.4 32.32 241.05

DIFFERENTIAL CORRECTIONS

TDE-2.4523 TRA 3.3320 TC3-2.9996 BAU 1.0853
 RDE-.4152 RRA -.0117 RC3 -.0465 FAU .01743
 FDE-.7886 FRA 1.3955 FC3 -.5576 BSP 19068
 BDE 2.4872 BRA 3.3320 BC3 3.0000 FSP -605

MID-COURSE EXECUTION ACCURACY

SGT 5943.0 SGR 460.2 SG3 179.1
 RRT -.4200 RRF -.4152 RTF .9589
 SGB 5960.8 R23 .0115 R13 -.9589
 SG1 5946.2 SG2 417.4 THA 178.13

ORBIT DETERMINATION ACCURACY

ST 2991.7 SR 457.4 SS 783.2
 CRT -.9069 CRS .8554 CST -.9938
 LSA 3119.0 MSA 210.8 SSA 15.3
 EL1 3020.4 EL2 190.8 ALF 172.07

LAUNCH DATE JUN 26 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 578.218

RL 152.07 LAL .00 LOL 273.73 VL 25.753 GAL 8.28 AZL 93.01 MCA 282.85 SMA 122.62 ECC .27787 INC 3.0094 V1 29.298
 RP 107.90 LAP 2.93 LOP 196.60 VP 37.118 GAP 14.62 AZP 90.67 TAL 157.05 TAP 79.90 RCA 88.55 APO 156.70 V2 35.122
 RC 172.686 GL -14.18 GP 4.05 ZAL 48.26 ZAP 173.63 ETS 37.34 ZAE 127.09 ETE 177.13 ZAC 63.74 ETC 11.91 CLP-175.07

PLANETOCENTRIC CONIC

C3 29.823 VHL 5.461 DLA -30.45 RAL 220.02 RAD 6568.2 VEL 12.296 PTH 2.21 VHP 9.209 DPA -2.11 RAP 202.57 ECC 1.4908
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.21 12 11 23 1295.71 18.37 353.46 95.65 114.76 12 32 59 695.7 21.56 346.07
 101.79 15 21 5 684.95 18.39 308.46 95.66 114.75 15 32 30 84.9 21.57 301.07
 78.21 12 11 23 1295.71 18.37 353.46 95.65 114.76 12 32 59 695.7 21.56 346.07
 101.79 15 21 5 684.95 18.39 308.46 95.66 114.75 15 32 30 84.9 21.57 301.07
 110.00 14 16 31 888.13 7.25 317.45 89.31 123.50 14 31 19 288.1 11.60 311.07
 110.00 18 15 8 5428.56 30.29 249.94 100.59 106.65 19 45 36 4828.6 32.27 241.28

DIFFERENTIAL CORRECTIONS

TDE-2.4549 TRA 3.6801 TC3-2.7043 BAU 1.0783
 RDE-.4358 RRA -.0248 RC3 -.0376 FAU .01557
 FDE-.7497 FRA 1.4443 FC3 -.4519 BSP 19074
 BDE 2.4932 BRA 3.6802 BC3 2.7046 FSP -579

MID-COURSE EXECUTION ACCURACY

SGT 5952.5 SGR 460.1 SG3 171.8
 RRT -.4351 RRF -.4289 RTF .9599
 SGB 5970.3 R23 .0103 R13 -.9599
 SG1 5955.9 SG2 414.0 THA 178.06

ORBIT DETERMINATION ACCURACY

ST 2906.6 SR 457.4 SS 753.7
 CRT -.8950 CRS .8412 CST -.9939
 LSA 3029.3 MSA 219.7 SSA 14.8
 EL1 2935.4 EL2 202.0 ALF 171.95

LAUNCH DATE JUN 26 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 583.366

RL 152.07 LAL .00 LOL 273.73 VL 25.715 GAL 9.06 AZL 92.95 MCA 286.07 SMA 122.40 ECC .28650 INC 2.9488 V1 29.298
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.079 GAP 15.24 AZP 90.82 TAL 155.71 TAP 81.78 RCA 87.33 APO 157.47 V2 35.110
 RC 174.603 GL -13.14 GP 3.93 ZAL 46.22 ZAP 174.41 ETS 42.60 ZAE 126.94 ETE 177.20 ZAC 61.57 ETC 11.98 CLP-176.03

PLANETOCENTRIC CONIC

C3 33.013 VHL 5.746 DLA -30.07 RAL 222.42 RAD 6568.3 VEL 12.425 PTH 2.25 VHP 9.570 DPA -3.12 RAP 204.60 ECC 1.5433
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.45 12 30 14 1291.80 17.41 352.70 99.60 114.91 12 51 46 691.8 20.62 345.36
 100.55 15 21 25 739.95 17.42 312.10 99.61 114.90 15 33 45 140.0 20.64 304.76
 79.45 12 30 14 1291.80 17.41 352.70 99.60 114.91 12 51 46 691.8 20.62 345.36
 100.55 15 21 25 739.95 17.42 312.10 99.61 114.90 15 33 45 140.0 20.64 304.76
 110.00 14 19 37 935.22 5.47 319.94 92.78 123.79 14 35 12 335.2 9.88 313.62
 110.00 18 31 13 5432.58 30.22 250.22 104.92 106.80 20 1 45 4832.6 32.22 241.58

DIFFERENTIAL CORRECTIONS

TDE-2.4610 TRA 4.0447 TC3-2.4245 BAU 1.0701
 RDE-.4569 RRA -.0394 RC3 -.0297 FAU .01386
 FDE-.7159 FRA 1.4926 FC3 -.3634 BSP 19165
 BDE 2.5030 BRA 4.0449 BC3 2.4247 FSP -557

MID-COURSE EXECUTION ACCURACY

SGT 5958.5 SGR 459.2 SG3 164.9
 RRT -.4513 RRF -.4440 RTF .9613
 SGB 5976.2 R23 .0092 R13 -.9613
 SG1 5962.2 SG2 409.5 THA 178.00

ORBIT DETERMINATION ACCURACY

ST 2825.6 SR 455.8 SS 728.4
 CRT -.8828 CRS .8275 CST -.9941
 LSA 2944.6 MSA 227.6 SSA 14.3
 EL1 2854.3 EL2 212.0 ALF 171.85

LAUNCH DATE JUN 26 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 18 1968

HELIOCENTRIC CONIC

DISTANCE 588.401

RL 152.07 LAL .00 LOL 273.73 VL 25.677 GAL 9.89 AZL 92.89 HCA 289.29 SMA 122.18 ECC .29591 INC 2.8862 V1 29.298
 RP 107.97 LAP 2.72 LOP 203.04 VP 37.041 GAP 15.90 AZP 90.95 TAL 154.40 TAP 83.69 RCA 86.03 APO 158.34 V2 35.097
 RC 176.504 GL -12.14 GP 3.83 ZAL 44.30 ZAP 175.13 ETS 49.64 ZAE 126.77 ETE 177.25 ZAC 59.41 ETC 12.09 CLP-176.99

PLANETOCENTRIC CONIC

C3 36.703 VHL 6.058 DLA -29.62 RAL 224.69 RAD 6568.4 VEL 12.573 PTH 2.28 VHP 9.958 DPA -4.10 RAP 206.63 ECC 1.6040
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 80.92 12 50 33 1282.58 16.41 351.52 103.48 115.01 13 11 55 682.6 19.64 344.25
 99.08 15 19 12 802.67 16.42 316.27 103.49 115.00 15 32 35 202.7 19.65 308.99
 100.00 14 52 23 888.44 13.30 321.06 101.92 117.02 15 7 11 288.4 16.82 314.04
 100.00 16 0 3 672.04 19.57 308.05 104.97 113.06 16 11 15 72.0 22.52 300.50
 110.00 14 22 11 983.67 3.63 322.48 96.17 124.01 14 38 35 383.7 8.07 316.21
 110.00 18 46 44 5437.62 30.12 250.58 109.19 106.99 20 17 22 4837.6 32.14 241.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4667 TRA 4.4318 TC3-2.1563 BAU 1.0581 SGT 5959.5 SGR 457.2 SG3 158.3 ST 2746.0 SR 452.6 SS 706.0
 RDE .4782 RRA -.0557 RC3 -.0230 FAU .01220 RRT -.4679 RRF -.4597 RTF .9628 CRT -.8700 CRS .8135 CST -.9943
 FDE -.6850 FRA 1.5427 FC3 -.2877 BSP 19238 SGB 5977.0 R23 .0080 R13 -.9628 LSA 2861.6 MSA 234.8 SSA 13.7
 BDE 2.5126 BRA 4.4322 BC3 2.1564 FSP -536 SG1 5963.3 SG2 403.8 THA 177.93 EL1 2774.3 EL2 220.9 ALF 171.79

LAUNCH DATE JUN 26 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 20 1968

HELIOCENTRIC CONIC

DISTANCE 593.304

RL 152.07 LAL .00 LOL 273.73 VL 25.640 GAL 10.78 AZL 92.82 HCA 292.51 SMA 121.97 ECC .30619 INC 2.8211 V1 29.298
 RP 108.01 LAP 2.61 LOP 206.26 VP 37.004 GAP 16.61 AZP 91.08 TAL 153.12 TAP 85.63 RCA 84.62 APO 159.31 V2 35.084
 RC 178.389 GL -11.17 GP 3.74 ZAL 42.48 ZAP 175.74 ETS 59.06 ZAE 126.60 ETE 177.30 ZAC 57.26 ETC 12.24 CLP-177.96

PLANETOCENTRIC CONIC

C3 40.978 VHL 6.401 DLA -29.16 RAL 226.82 RAD 6568.6 VEL 12.741 PTH 2.32 VHP 10.378 DPA -5.07 RAP 208.67 ECC 1.6744
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.74 13 13 20 1264.57 15.37 349.69 107.28 115.09 13 34 24 664.6 18.62 342.46
 97.26 15 13 24 876.36 15.38 321.22 107.29 115.08 15 28 1 276.4 18.64 313.99
 100.00 14 39 5 986.50 10.21 326.69 104.63 118.25 14 55 32 386.5 13.90 319.86
 100.00 16 30 20 629.65 20.68 305.39 109.72 112.08 16 40 49 29.7 23.49 297.73
 110.00 14 24 16 1033.19 1.74 325.07 99.48 124.14 14 41 29 433.2 6.21 318.84
 110.00 19 1 39 5443.78 29.99 251.02 113.39 107.23 20 32 23 4843.8 32.05 242.41

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4726 TRA 4.8438 TC3-1.9006 BAU 1.0413 SGT 5955.3 SGR 454.1 SG3 152.1 ST 2668.6 SR 447.8 SS 686.7
 RDE .4996 RRA -.0739 RC3 -.0175 FAU .01058 RRT -.4849 RRF -.4758 RTF .9645 CRT -.8565 CRS .7994 CST -.9946
 FDE -.6571 FRA 1.5952 FC3 -.2235 BSP 19294 SGB 5972.6 R23 .0069 R13 -.9645 LSA 2781.2 MSA 241.0 SSA 13.2
 BDE 2.5226 BRA 4.8444 BC3 1.9007 FSP -516 SG1 5959.4 SG2 396.9 THA 177.87 EL1 2696.2 EL2 228.7 ALF 171.76

LAUNCH DATE JUN 26 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 22 1968

HELIOCENTRIC CONIC

DISTANCE 598.052

RL 152.07 LAL .00 LOL 273.73 VL 25.603 GAL 11.74 AZL 92.75 HCA 295.72 SMA 121.76 ECC .31746 INC 2.7530 V1 29.298
 RP 108.05 LAP 2.48 LOP 209.47 VP 36.966 GAP 17.38 AZP 91.20 TAL 151.88 TAP 87.60 RCA 83.11 APO 160.41 V2 35.071
 RC 180.257 GL -10.23 GP 3.66 ZAL 40.76 ZAP 176.19 ETS 71.40 ZAE 126.40 ETE 177.35 ZAC 55.13 ETC 12.44 CLP-178.94

PLANETOCENTRIC CONIC

C3 45.946 VHL 6.778 DLA -28.68 RAL 228.81 RAD 6568.7 VEL 12.935 PTH 2.36 VHP 10.834 DPA -6.00 RAP 210.70 ECC 1.7561
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.26 13 41 39 1227.70 14.31 346.46 111.00 115.12 14 2 7 627.7 17.58 339.28
 94.74 15 0 58 970.85 14.32 327.66 111.01 115.11 15 17 9 370.8 17.59 320.48
 100.00 14 31 14 1066.74 7.59 331.21 107.51 119.00 14 49 1 466.7 11.40 324.50
 100.00 16 54 5 607.04 21.25 303.96 114.14 111.53 17 4 12 7.0 23.99 296.23
 110.00 14 25 54 1083.52 -1.18 327.70 102.73 124.18 14 43 57 483.5 4.30 321.49
 110.00 19 15 54 5451.07 29.84 251.54 117.51 107.50 20 46 45 4851.1 31.94 242.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4762 TRA 5.2865 TC3-1.6560 BAU 1.0172 SGT 5946.8 SGR 449.9 SG3 146.3 ST 2592.4 SR 441.1 SS 669.9
 RDE .5209 RRA -.0941 RC3 -.0133 FAU .00892 RRT -.5019 RRF -.4919 RTF .9663 CRT -.8422 CRS .7845 CST -.9949
 FDE -.6306 FRA 1.6518 FC3 -.1681 BSP 19234 SGB 5963.8 R23 .0056 R13 -.9663 LSA 2702.4 MSA 246.4 SSA 12.8
 BDE 2.5304 BRA 5.2874 BC3 1.6560 FSP -494 SG1 5951.1 SG2 388.8 THA 177.82 EL1 2619.1 EL2 235.4 ALF 171.78

LAUNCH DATE JUN 26 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 24 1968

HELIOCENTRIC CONIC

DISTANCE 602.616

RL 152.07 LAL .00 LOL 273.73 VL 25.567 GAL 12.77 AZL 92.68 HCA 298.93 SMA 121.55 ECC .32984 INC 2.6811 V1 29.298
 RP 108.09 LAP 2.35 LOP 212.69 VP 36.929 GAP 18.22 AZP 91.30 TAL 150.69 TAP 89.62 RCA 81.46 APO 161.65 V2 35.058
 RC 182.108 GL -9.33 GP 3.58 ZAL 39.17 ZAP 176.42 ETS 86.48 ZAE 126.18 ETE 177.39 ZAC 53.01 ETC 12.67 CLP-179.93

PLANETOCENTRIC CONIC

C3 51.736 VHL 7.193 DLA -28.19 RAL 230.66 RAD 6568.9 VEL 13.157 PTH 2.40 VHP 11.332 DPA -6.91 RAP 212.73 ECC 1.8514
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 14 4 58 1205.92 11.01 343.24 113.54 116.25 14 25 4 605.9 14.45 336.26
 90.00 14 52 26 1051.93 15.48 334.14 113.69 114.01 15 9 58 451.9 18.59 326.85
 100.00 14 25 27 1139.63 5.16 335.26 110.42 119.48 14 44 27 539.6 9.05 328.63
 100.00 17 14 38 5881.49 21.59 280.99 118.37 111.19 18 52 40 5281.5 24.28 273.23
 110.00 14 27 6 1134.44 -2.13 330.35 105.90 124.12 14 46 1 534.4 2.36 324.15
 110.00 19 29 29 5459.45 29.67 252.13 121.54 107.81 21 0 28 4859.4 31.82 243.57

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4882 TRA 5.7546 TC3-1.4319 BAU .9904 SGT 5934.6 SGR 444.7 SG3 140.8 ST 2523.2 SR 433.1 SS 657.1
 RDE .5423 RRA -.1158 RC3 -.0100 FAU .00737 RRT -.5195 RRF -.5089 RTF .9684 CRT -.8283 CRS .7711 CST -.9953
 FDE -.6091 FRA 1.7103 FC3 -.1233 BSP 19294 SGB 5951.2 R23 .0044 R13 -.9684 LSA 2631.2 MSA 250.0 SSA 12.3
 BDE 2.5466 BRA 5.7557 BC3 1.4320 FSP -476 SG1 5939.1 SG2 379.7 THA 177.76 EL1 2548.8 EL2 240.3 ALF 171.83

LAUNCH DATE JUN 26 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 26 1968

HELIOCENTRIC CONIC

DISTANCE 606.960

RL 152.07 LAL .00 LOL 273.73 VL 25.532 GAL 13.89 AZL 92.60VHCA 302.14 SMA 121.35 ECC .34349 INC 2.6047 V1 29.298
 RP 108.13 LAP 2.21 LOP 215.90 VP 36.892 GAP 19.13 AZP 91.39 TAL 149.55 TAP 91.70 RCA 79.67 APO 163.04 V2 35.045
 RC 183.942 GL -8.47 GP 3.51 ZAL 37.68 ZAP 176.37 ETS 102.68 ZAE 125.93 ETE 177.43 ZAC 50.92 ETC 12.96 CLP 179.05

PLANETOCENTRIC CONIC

C3 58.512 VHL 7.649 DLA -27.69 RAL 232.38 RAD 6569.1 VEL 13.412 PTH 2.45 VHP 11.877 DPA -7.80 RAP 214.75 ECC 1.9630
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 43 8 1329.84 7.20 350.35 115.69 117.46 14 5 18 729.8 10.82 343.54
 90.00 15 27 57 988.69 17.19 330.29 120.48 112.85 15 44 26 388.7 20.14 322.85
 100.00 14 20 44 1208.31 2.85 339.05 113.31 119.77 14 40 52 608.3 6.79 332.48
 100.00 17 33 3 5873.49 21.78 280.48 122.44 110.99 19 10 56 5273.5 24.44 272.69
 110.00 14 27 55 1185.75 -4.08 333.04 109.00 123.97 14 47 40 585.8 .40 326.83
 110.00 19 42 21 5468.81 29.47 252.79 125.47 108.15 21 13 30 4868.8 31.67 244.27

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5016 TRA 6.2561 TC3-1.2201 BAU .9544 SGT 5916.1 SGR 438.5 SG3 135.6 ST 2456.6 SR 423.6 SS 647.4
 RDE .5636 RRA -.1395 RC3 -.0077 FAU .00582 RRT -.5372 RRF -.5262 RTF .9707 CRT -.8141 CRS .7581 CST -.9957
 FDE -.5904 FRA 1.7730 FC3 -.0861 BSP 19315 SGB 5932.3 R23 .0033 R13 -.9707 LSA 2563.1 MSA 252.2 SSA 11.8
 BOE 2.5643 BRA 6.2576 BC3 1.2201 FSP -.459 SG1 5920.8 SG2 369.5 THA 177.71 EL1 2480.9 EL2 243.6 ALF 171.93

LAUNCH DATE JUN 26 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 28 1968

HELIOCENTRIC CONIC

DISTANCE 611.042

RL 152.07 LAL .00 LOL 273.73 VL 25.497 GAL 15.11 AZL 92.52 HCA 305.35 SMA 121.16 ECC .35857 INC 2.5227 V1 29.298
 RP 108.18 LAP 2.06 LOP 219.10 VP 36.855 GAP 20.13 AZP 91.46 TAL 148.49 TAP 93.84 RCA 77.72 APO 164.60 V2 35.032
 RC 185.758 GL -7.64 GP 3.44 ZAL 36.31 ZAP 176.02 ETS 117.60 ZAE 125.65 ETE 177.46 ZAC 48.87 ETC 13.29 CLP 178.00

PLANETOCENTRIC CONIC

C3 66.477 VHL 8.153 DLA -27.18 RAL 233.95 RAD 6569.3 VEL 13.705 PTH 2.50 VHP 12.477 DPA -8.65 RAP 216.75 ECC 2.0940
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 31 23 1420.09 4.34 355.44 118.21 118.01 13 55 3 820.1 8.05 348.73
 90.00 15 52 16 960.16 17.94 328.53 124.69 112.29 16 8 16 360.2 20.80 321.03
 100.00 14 16 33 1274.15 .62 342.66 116.15 119.89 14 37 47 674.1 4.59 336.13
 100.00 17 49 47 5869.38 21.88 280.22 126.35 110.89 19 27 36 5269.4 24.53 272.42
 110.00 14 28 18 1237.26 -6.04 335.75 112.02 123.71 14 48 55 637.3 -1.57 329.51
 110.00 19 54 31 5479.03 29.26 253.50 129.28 108.52 21 25 50 4879.0 31.50 245.02

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5197 TRA 6.7953 TC3-1.0241 BAU .9101 SGT 5893.9 SGR 431.2 SG3 130.6 ST 2394.0 SR 412.7 SS 640.9
 RDE .5847 RRA -.1649 RC3 -.0062 FAU .00424 RRT -.5549 RRF -.5438 RTF .9731 CRT -.8000 CRS .7457 CST -.9962
 FDE -.5747 FRA 1.8411 FC3 -.0552 BSP 19307 SGB 5909.7 R23 .0022 R13 -.9731 LSA 2499.6 MSA 252.9 SSA 11.3
 BOE 2.5867 BRA 6.7973 BC3 1.0241 FSP -.442 SG1 5898.8 SG2 358.4 THA 177.67 EL1 2416.9 EL2 245.3 ALF 172.06

LAUNCH DATE JUN 26 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 30 1968

HELIOCENTRIC CONIC

DISTANCE 614.805

RL 152.07 LAL .00 LOL 273.73 VL 25.464 GAL 16.44 AZL 92.43 HCA 308.55 SMA 120.97 ECC .37529 INC 2.4341 V1 29.298
 RP 108.22 LAP 1.90 LOP 222.31 VP 36.820 GAP 21.24 AZP 91.52 TAL 147.50 TAP 96.06 RCA 75.57 APO 166.37 V2 35.019
 RC 187.557 GL -6.84 GP 3.38 ZAL 35.07 ZAP 175.42 ETS 129.77 ZAE 125.32 ETE 177.49 ZAC 46.85 ETC 13.67 CLP 176.91

PLANETOCENTRIC CONIC

C3 75.889 VHL 8.711 DLA -26.66 RAL 235.38 RAD 6569.5 VEL 14.044 PTH 2.56 VHP 13.140 DPA -9.47 RAP 218.73 ECC 2.2489
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 22 40 1499.26 1.79 359.86 120.78 118.26 13 47 39 899.3 5.56 353.21
 90.00 16 12 24 943.40 18.37 327.48 128.63 111.94 16 28 8 343.4 21.18 319.94
 100.00 14 12 39 1337.83 -1.54 346.16 118.93 119.86 14 34 57 737.8 2.44 339.64
 100.00 18 5 7 5868.10 21.91 280.13 130.11 110.85 19 42 55 5268.1 24.55 272.33
 110.00 14 28 16 1288.79 -7.98 338.48 114.96 123.35 14 49 45 688.8 -3.53 332.21
 110.00 20 5 59 5489.91 29.02 254.26 132.95 108.92 21 37 29 4889.9 31.32 245.81

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5398 TRA 7.3809 TC3 -.8406 BAU .8528 SGT 5868.8 SGR 422.7 SG3 126.0 ST 2334.1 SR 400.4 SS 637.3
 RDE .6054 RRA -.1924 RC3 -.0056 FAU .00255 RRT -.5724 RRF -.5612 RTF .9756 CRT -.7857 CRS .7333 CST -.9966
 FDE -.5608 FRA 1.9166 FC3 -.0291 BSP 19183 SGB 5884.0 R23 .0010 R13 -.9756 LSA 2439.4 MSA 252.3 SSA 10.8
 BOE 2.6110 BRA 7.3834 BC3 .8406 FSP -.423 SG1 5873.8 SG2 346.3 THA 177.63 EL1 2355.4 EL2 245.5 ALF 172.24

LAUNCH DATE JUN 26 1967

FLIGHT TIME 220.00

ARRIVAL DATE FEB 1 1968

HELIOCENTRIC CONIC

DISTANCE 618.177

RL 152.07 LAL .00 LOL 273.73 VL 25.432 GAL 17.90 AZL 92.34 HCA 311.75 SMA 120.79 ECC .39390 INC 2.3373 V1 29.298
 RP 108.26 LAP 1.74 LOP 225.51 VP 36.785 GAP 22.46 AZP 91.56 TAL 146.62 TAP 98.37 RCA 73.21 APO 168.37 V2 35.005
 RC 189.337 GL -6.07 GP 3.32 ZAL 33.95 ZAP 174.63 ETS 139.09 ZAE 124.95 ETE 177.53 ZAC 44.89 ETC 14.10 CLP 175.78

PLANETOCENTRIC CONIC

C3 87.077 VHL 9.332 DLA -26.14 RAL 236.67 RAD 6569.7 VEL 14.437 PTH 2.62 VHP 13.878 DPA -10.25 RAP 220.67 ECC 2.4331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 15 22 1572.31 -.57 3.94 123.33 118.31 13 41 34 972.3 3.22 357.31
 90.00 16 29 58 933.02 18.63 326.83 132.34 111.72 16 45 31 333.0 21.41 319.27
 100.00 14 8 48 1399.74 -3.63 349.56 121.63 119.69 14 32 8 799.7 .35 343.03
 100.00 18 19 13 5868.86 21.90 280.18 133.70 110.87 19 57 2 5268.9 24.54 272.38
 110.00 14 27 48 1340.15 -9.89 341.23 117.80 122.89 14 50 8 740.1 -5.48 334.90
 110.00 20 16 43 5501.22 28.77 255.04 136.47 109.32 21 48 24 4901.2 31.12 246.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.5736 TRA 8.0078 TC3 -.6749 BAU .7857 SGT 5837.8 SGR 413.3 SG3 121.6 ST 2279.9 SR 387.1 SS 637.7
 RDE .6261 RRA -.2213 RC3 -.0054 FAU .00087 RRT -.5902 RRF -.5792 RTF .9782 CRT -.7728 CRS .7232 CST -.9971
 FDE -.5520 FRA 1.9977 FC3 -.0087 BSP 19188 SGB 5852.4 R23 -.0000 R13 -.9782 LSA 2385.9 MSA 249.6 SSA 10.3
 BOE 2.6487 BRA 8.0108 BC3 .6749 FSP -.409 SG1 5842.9 SG2 333.3 THA 177.60 EL1 2299.7 EL2 243.5 ALF 172.44

LAUNCH DATE JUN 27 1967

FLIGHT TIME 70.00

ARRIVAL DATE SEP 5 1967

HELIOCENTRIC CONIC

DISTANCE 168.902

RL 152.07 LAL .00 LOL 274.68 VL 24.168 GAL -3.70 AZL 93.59 HCA 70.88 SMA 114.28 ECC .33628 INC 3.5921 V1 29.296
 RP 108.81 LAP -3.39 LOP 345.53 VP 35.749 GAP -19.47 AZP 91.18 TAL 187.36 TAP 258.24 RCA 75.85 APO 152.71 V2 34.826
 RC 43.534 GL -15.43 GP -3.21 ZAL 106.63 ZAP 6.33 ETS 149.43 ZAE 159.37 ETE 25.36 ZAC 95.05 ETC 13.74 CLP 5.47

PLANETOCENTRIC CONIC

C3 32.238 VHL 5.678 DLA -9.24 RAL 162.39 RAD 6568.3 VEL 12.394 PTH 2.24 VHP 11.851 DPA 3.74 RAP 171.79 ECC 1.5306
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 5 3 31 2041.23 -15.02 30.80 29.83 114.29 5 37 32 1441.2 -11.62 23.77
 90.00 14 41 20 5266.60 26.93 237.96 35.32 80.89 16 9 7 4666.6 25.39 229.63
 100.00 6 20 20 1793.40 -16.23 11.99 29.25 115.45 6 50 14 1193.4 -12.67 5.01
 100.00 16 7 12 4989.66 28.24 217.34 35.07 79.77 17 30 22 4389.7 26.54 208.95
 110.00 7 18 17 1611.95 -19.43 356.51 27.53 118.70 7 45 9 1011.9 -15.45 349.65
 110.00 17 25 44 4743.88 31.76 197.83 34.22 76.63 18 44 48 4143.9 29.59 189.29

DIFFERENTIAL CORRECTIONS

TDE .3527 TRA -.5869 TC3 .2478 BAU .1132
 RDE -.3836 RRA -.1485 RC3 .0871 FAU .02399
 FDE -.3007 FRA .1448 FC3 -.6444 BSP 2015
 BDE .5212 BRA .6054 BC3 .2627 FSP -159

MID-COURSE EXECUTION ACCURACY

SGT 752.3 SGR 427.4 SG3 69.6
 RRT -.0588 RRF .0658 RTF -.6644
 SGB 865.2 R23 -.0083 R13 .6649
 SG1 752.9 SG2 426.3 THA 177.18

ORBIT DETERMINATION ACCURACY

ST 399.0 SR 389.8 SS 314.8
 CRT -.8332 CRS -.9627 CST .9472
 LSA 619.6 MSA 161.3 SSA 17.8
 EL1 534.0 EL2 161.0 ALF 135.80

LAUNCH DATE JUN 27 1967

FLIGHT TIME 72.00

ARRIVAL DATE SEP 7 1967

HELIOCENTRIC CONIC

DISTANCE 175.602

RL 152.07 LAL .00 LOL 274.68 VL 24.483 GAL -3.73 AZL 93.53 HCA 74.05 SMA 115.81 ECC .31920 INC 3.5273 V1 29.296
 RP 108.79 LAP -3.39 LOP 348.70 VP 35.970 GAP -18.30 AZP 90.97 TAL 188.03 TAP 262.08 RCA 78.84 APO 152.77 V2 34.834
 RC 44.099 GL -16.17 GP -3.38 ZAL 107.91 ZAP 4.89 ETS 135.99 ZAE 157.40 ETE 22.30 ZAC 93.89 ETC 13.70 CLP 3.53

PLANETOCENTRIC CONIC

C3 29.140 VHL 5.398 DLA -9.38 RAL 160.83 RAD 6568.2 VEL 12.268 PTH 2.21 VHP 11.189 DPA 3.08 RAP 172.86 ECC 1.4796
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 58 27 2011.24 -14.17 29.00 26.64 114.77 5 31 58 1411.2 -10.71 22.03
 90.00 14 33 59 5245.86 26.70 236.49 31.92 80.19 16 1 25 4645.9 25.07 228.20
 100.00 6 15 11 1763.66 -15.35 10.22 26.06 115.97 6 44 35 1163.7 -11.73 3.30
 100.00 15 59 56 4968.68 27.98 215.84 31.66 79.02 17 22 45 4368.7 26.18 207.50
 110.00 7 12 58 1582.74 -18.46 354.79 24.36 119.29 7 39 21 982.7 -14.42 348.01
 110.00 17 18 39 4722.36 31.41 196.25 30.78 75.75 18 37 21 4122.4 29.13 187.79

DIFFERENTIAL CORRECTIONS

TDE .3540 TRA -.5589 TC3 .3057 BAU .1244
 RDE -.3674 RRA -.1398 RC3 .0924 FAU .02561
 FDE -.3197 FRA .1276 FC3 -.7608 BSP 2135
 BDE .5102 BRA .5761 BC3 .3194 FSP -181

MID-COURSE EXECUTION ACCURACY

SGT 782.1 SGR 429.7 SG3 77.7
 RRT -.0690 RRF .0770 RTF -.6842
 SGB 892.4 R23 -.0096 R13 .6847
 SG1 782.9 SG2 428.3 THA 176.90

ORBIT DETERMINATION ACCURACY

ST 416.9 SR 392.6 SS 331.4
 CRT -.8453 CRS -.9692 CST .9461
 LSA 641.8 MSA 159.9 SSA 18.6
 EL1 550.2 EL2 158.9 ALF 137.04

LAUNCH DATE JUN 27 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 9 1967

HELIOCENTRIC CONIC

DISTANCE 182.320

RL 152.07 LAL .00 LOL 274.68 VL 24.772 GAL -3.79 AZL 93.46 HCA 77.22 SMA 117.26 ECC .30349 INC 3.4645 V1 29.296
 RP 108.76 LAP -3.38 LOP 351.88 VP 36.175 GAP -17.19 AZP 90.77 TAL 188.78 TAP 266.00 RCA 81.67 APO 152.85 V2 34.842
 RC 44.820 GL -16.86 GP -3.57 ZAL 109.31 ZAP 3.90 ETS 113.27 ZAE 155.52 ETE 19.71 ZAC 92.78 ETC 13.68 CLP 1.57

PLANETOCENTRIC CONIC

C3 26.510 VHL 5.149 DLA -9.45 RAL 159.19 RAD 6568.1 VEL 12.161 PTH 2.18 VHP 10.559 DPA 2.42 RAP 173.88 ECC 1.4363
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 52 26 1985.43 -13.43 27.47 23.49 115.16 5 25 31 1385.4 -9.93 20.54
 90.00 14 26 52 5224.54 26.44 234.98 28.54 79.48 15 53 57 4624.5 24.72 226.73
 100.00 6 9 8 1737.97 -14.58 8.70 22.92 116.39 6 38 6 1138.0 -10.92 1.83
 100.00 15 52 51 4947.23 27.69 214.31 28.27 78.26 17 15 18 4347.2 25.79 206.02
 110.00 7 6 50 1557.32 -17.61 353.31 21.24 119.78 7 32 47 957.3 -13.51 346.59
 110.00 17 11 39 4700.65 31.03 194.67 27.35 74.89 18 30 0 4100.6 28.65 186.28

DIFFERENTIAL CORRECTIONS

TDE .3546 TRA -.5307 TC3 .3686 BAU .1350
 RDE -.3527 RRA -.1319 RC3 .0965 FAU .02743
 FDE -.3402 FRA .1070 FC3 -.8958 BSP 2246
 BDE .5001 BRA .5469 BC3 .3810 FSP -206

MID-COURSE EXECUTION ACCURACY

SGT 811.3 SGR 431.3 SG3 86.8
 RRT -.0803 RRF .0900 RTF -.7017
 SGB 918.8 R23 -.0118 R13 .7024
 SG1 812.4 SG2 429.3 THA 176.61

ORBIT DETERMINATION ACCURACY

ST 433.7 SR 395.0 SS 347.9
 CRT -.8570 CRS -.9752 CST .9445
 LSA 663.1 MSA 158.1 SSA 19.5
 EL1 565.5 EL2 156.1 ALF 138.12

LAUNCH DATE JUN 27 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 11 1967

HELIOCENTRIC CONIC

DISTANCE 189.051

RL 152.07 LAL .00 LOL 274.68 VL 25.035 GAL -3.85 AZL 93.40 HCA 80.39 SMA 118.64 ECC .28909 INC 3.4032 V1 29.296
 RP 108.74 LAP -3.36 LOP 355.06 VP 36.365 GAP -16.13 AZP 90.57 TAL 189.58 TAP 269.98 RCA 84.34 APO 152.94 V2 34.851
 RC 45.690 GL -17.51 GP -3.79 ZAL 110.78 ZAP 3.82 ETS 82.81 ZAE 153.79 ETE 17.47 ZAC 91.71 ETC 13.66 CLP -1.45

PLANETOCENTRIC CONIC

C3 24.280 VHL 4.927 DLA -9.45 RAL 157.47 RAD 6568.0 VEL 12.069 PTH 2.16 VHP 9.958 DPA 1.76 RAP 174.85 ECC 1.3996
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 45 33 1963.93 -12.80 26.20 20.41 115.47 5 18 17 1363.9 -9.27 19.30
 90.00 14 20 5 5202.67 26.16 233.44 25.21 78.75 15 46 48 4602.7 24.34 225.24
 100.00 6 2 15 1716.46 -13.92 7.44 19.85 116.72 6 30 52 1116.5 -10.23 .60
 100.00 15 46 3 4925.38 -27.38 212.76 24.92 77.51 17 8 9 4325.4 25.38 204.53
 110.00 6 59 57 1535.79 -16.88 352.07 18.19 120.18 7 25 33 935.8 -12.74 345.40
 110.00 17 4 51 4678.82 30.63 193.09 23.98 74.03 18 22 50 4078.8 28.14 184.78

DIFFERENTIAL CORRECTIONS

TDE .3630 TRA -.5051 TC3 .4582 BAU .1522
 RDE -.3392 RRA -.1247 RC3 .0991 FAU .02951
 FDE -.3628 FRA .0824 FC3 -1.0521 BSP 1922
 BDE .4969 BRA .5203 BC3 .4688 FSP -235

MID-COURSE EXECUTION ACCURACY

SGT 858.3 SGR 432.1 SG3 97.1
 RRT -.0941 RRF .1048 RTF -.7301
 SGB 961.0 R23 -.0132 R13 .7309
 SG1 859.6 SG2 429.6 THA 176.38

ORBIT DETERMINATION ACCURACY

ST 458.6 SR 396.9 SS 364.8
 CRT -.8713 CRS -.9806 CST .9448
 LSA 690.0 MSA 155.9 SSA 20.4
 EL1 587.1 EL2 152.1 ALF 139.72

LAUNCH DATE JUN 27 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 13 1967

HELIOCENTRIC CONIC

DISTANCE 195.792

RL 152.07 LAL .00 LOL 274.68 VL 25.276 GAL -3.93 AZL 93.34 HCA 83.57 SMA 119.94 ECC .27595 INC 3.3430 V1 29.296
 RP 108.71 LAP -3.32 LOP 358.24 VP 36.540 GAP -15.11 AZP 90.38 TAL 190.44 TAP 274.01 RCA 86.84 APO 153.03 V2 34.860
 RC 46.700 GL -18.11 GP -4.03 ZAL 112.33 ZAP 4.75 ETS 57.49 ZAE 152.23 ETE 15.48 ZAC 90.69 ETC 13.66 CLP -2.51

PLANETOCENTRIC CONIC

C3 22.390 VHL 4.732 DLA -9.37 RAL 155.72 RAD 6567.9 VEL 11.990 PTH 2.14 VHP 9.385 DPA 1.09 RAP 175.77 ECC 1.3685
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 37 54 1946.75 -12.30 25.19 17.41 115.71 5 10 21 1346.7 -8.74 18.32
 90.00 14 13 42 5180.32 25.85 231.88 21.95 78.03 15 40 2 4580.3 23.94 223.73
 100.00 5 54 39 1699.14 -13.39 6.43 16.86 116.98 6 22 58 1099.1 -9.67 359.62
 100.00 15 39 38 4903.16 27.04 211.19 21.65 76.75 17 1 21 4303.2 24.95 203.02
 110.00 6 52 27 1518.16 -16.27 351.07 15.22 120.49 7 17 45 918.2 -12.10 344.44
 110.00 16 58 20 4656.91 30.21 191.53 20.68 73.19 18 15 57 4056.9 27.62 183.30

DIFFERENTIAL CORRECTIONS

TDE .3559 TRA -.4728 TC3 .5121 BAU .1561
 RDE -.3273 RRA -.1182 RC3 .0991 FAU .03185
 FDE -.3867 FRA .0536 FC3-1.2314 BSP 2491
 BDE .4835 BRA .4873 BC3 .5216 FSP -269

MID-COURSE EXECUTION ACCURACY

SGT 870.2 SGR 432.3 SG3 108.7
 RRT -.1094 RRF .1228 RTF -.7354
 SGB 971.6 R23 -.0167 R13 .7364
 SG1 871.9 SG2 428.9 THA 175.89

ORBIT DETERMINATION ACCURACY

ST 465.0 SR 398.7 SS 381.1
 CRT -.8801 CRS -.9853 CST .9414
 LSA 704.5 MSA 153.9 SSA 21.4
 EL1 594.3 EL2 148.1 ALF 139.97

LAUNCH DATE JUN 27 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 15 1967

HELIOCENTRIC CONIC

DISTANCE 202.537

RL 152.07 LAL .00 LOL 274.68 VL 25.495 GAL -4.01 AZL 93.28 HCA 86.74 SMA 121.15 ECC .26399 INC 3.2836 V1 29.296
 RP 108.68 LAP -3.28 LOP 1.42 VP 36.701 GAP -14.14 AZP 90.19 TAL 191.34 TAP 278.09 RCA 89.17 APO 153.14 V2 34.870
 RC 47.841 GL -18.63 GP -4.30 ZAL 113.92 ZAP 6.32 ETS 42.12 ZAE 150.85 ETE 13.70 ZAC 89.74 ETC 13.68 CLP -4.64

PLANETOCENTRIC CONIC

C3 20.791 VHL 4.560 DLA -9.22 RAL 153.94 RAD 6567.8 VEL 11.924 PTH 2.12 VHP 8.840 DPA .42 RAP 176.62 ECC 1.3422
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 29 36 1933.78 -11.92 24.43 14.52 115.88 5 1 50 1333.8 -8.34 17.58
 90.00 14 7 49 5157.55 25.52 230.29 18.79 77.30 15 33 46 4557.6 23.52 222.19
 100.00 5 46 26 1685.91 -12.98 5.66 13.97 117.16 6 14 32 1085.9 -9.24 358.87
 100.00 15 33 40 4880.66 26.68 209.62 18.49 75.99 16 55 0 4280.7 24.49 201.50
 110.00 6 44 25 1504.35 -15.79 350.28 12.37 120.72 7 9 29 904.4 -11.60 343.68
 110.00 16 52 10 4634.98 29.77 189.97 17.49 72.37 18 9 25 4035.0 27.07 181.82

DIFFERENTIAL CORRECTIONS

TDE .3552 TRA -.4437 TC3 .5885 BAU .1658
 RDE -.3166 RRA -.1126 RC3 .0967 FAU .03448
 FDE -.4128 FRA .0199 FC3-1.4359 BSP 2597
 BDE .4758 BRA .4577 BC3 .5964 FSP -306

MID-COURSE EXECUTION ACCURACY

SGT 897.9 SGR 431.9 SG3 121.7
 RRT -.1270 RRF .1434 RTF -.7500
 SGB 996.4 R23 -.0203 R13 .7513
 SG1 900.1 SG2 427.4 THA 175.48

ORBIT DETERMINATION ACCURACY

ST 477.7 SR 400.1 SS 397.3
 CRT -.8906 CRS -.9892 CST .9393
 LSA 722.9 MSA 152.0 SSA 22.4
 EL1 606.4 EL2 143.4 ALF 140.65

LAUNCH DATE JUN 27 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 17 1967

HELIOCENTRIC CONIC

DISTANCE 209.284

RL 152.07 LAL .00 LOL 274.68 VL 25.694 GAL -4.09 AZL 93.22 HCA 89.92 SMA 122.29 ECC .25316 INC 3.2244 V1 29.296
 RP 108.64 LAP -3.22 LOP 4.60 VP 36.850 GAP -13.22 AZP 90.00 TAL 192.28 TAP 282.20 RCA 91.33 APO 153.25 V2 34.881
 RC 49.103 GL -19.08 GP -4.59 ZAL 115.53 ZAP 8.23 ETS 33.08 ZAE 149.69 ETE 12.05 ZAC 88.87 ETC 13.70 CLP -6.84

PLANETOCENTRIC CONIC

C3 19.439 VHL 4.409 DLA -9.00 RAL 152.17 RAD 6567.8 VEL 11.867 PTH 2.11 VHP 8.321 DPA -.25 RAP 177.39 ECC 1.3199
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 20 48 1924.86 -11.65 23.91 11.75 115.99 4 52 53 1324.9 -8.06 17.07
 90.00 14 2 29 5134.44 25.17 228.69 15.76 76.57 15 28 3 4534.4 23.07 220.65
 100.00 5 37 45 1676.60 -12.69 5.12 11.22 117.29 6 5 41 1076.6 -8.93 358.35
 100.00 15 28 13 4857.93 26.30 208.04 15.45 75.25 16 49 11 4257.9 24.01 199.98
 110.00 6 35 59 1494.22 -15.44 349.71 9.64 120.88 7 0 54 894.2 -11.23 343.13
 110.00 16 46 28 4613.07 29.31 188.43 14.43 71.57 18 3 21 4013.1 26.51 180.37

DIFFERENTIAL CORRECTIONS

TDE .3538 TRA -.4150 TC3 .6662 BAU .1748
 RDE -.3071 RRA -.1078 RC3 .0911 FAU .03750
 FDE -.4411 FRA -.0190 FC3-1.6700 BSP 2700
 BDE .4685 BRA .4288 BC3 .6724 FSP -350

MID-COURSE EXECUTION ACCURACY

SGT 924.5 SGR 431.1 SG3 136.5
 RRT -.1476 RRF .1672 RTF -.7632
 SGB 1020.1 R23 -.0246 R13 .7648
 SG1 927.3 SG2 425.1 THA 175.01

ORBIT DETERMINATION ACCURACY

ST 488.4 SR 401.3 SS 413.3
 CRT -.9003 CRS -.9922 CST .9369
 LSA 739.8 MSA 150.4 SSA 23.3
 EL1 616.8 EL2 138.3 ALF 141.19

LAUNCH DATE JUN 27 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 19 1967

HELIOCENTRIC CONIC

DISTANCE 216.028

RL 152.07 LAL .00 LOL 274.68 VL 25.875 GAL -4.18 AZL 93.17 HCA 93.10 SMA 123.35 ECC .24338 INC 3.1653 V1 29.296
 RP 108.61 LAP -3.16 LOP 7.78 VP 36.986 GAP -12.33 AZP 89.83 TAL 193.24 TAP 286.33 RCA 93.33 APO 153.37 V2 34.891
 RC 50.476 GL -19.46 GP -4.93 ZAL 117.14 ZAP 10.35 ETS 27.44 ZAE 148.74 ETE 10.51 ZAC 88.09 ETC 13.74 CLP -9.12

PLANETOCENTRIC CONIC

C3 18.296 VHL 4.277 DLA -8.72 RAL 150.42 RAD 6567.7 VEL 11.819 PTH 2.09 VHP 7.827 DPA -.92 RAP 178.07 ECC 1.3011
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 11 37 1919.71 -11.50 23.61 9.13 116.06 4 43 37 1319.7 -7.90 16.78
 90.00 13 57 46 5111.07 24.79 227.08 12.87 75.85 15 22 57 4511.1 22.60 219.10
 100.00 5 28 43 1670.96 -12.51 4.80 8.61 117.37 5 56 34 1071.0 -8.75 358.03
 100.00 15 23 21 4835.04 25.89 206.46 12.55 74.51 16 43 56 4235.0 23.51 198.47
 110.00 6 27 18 1487.52 -15.20 349.33 7.06 120.99 6 52 6 887.5 -10.99 342.77
 110.00 16 41 15 4591.24 28.83 186.91 11.52 70.78 17 57 46 3991.2 25.94 178.93

DIFFERENTIAL CORRECTIONS

TDE .3511 TRA -.3868 TC3 .7427 BAU .1828
 RDE -.2986 RRA -.1038 RC3 .0820 FAU .04091
 FDE -.4714 FRA -.0638 FC3-1.9358 BSP 2795
 BDE .4609 BRA .4005 BC3 .7472 FSP -398

MID-COURSE EXECUTION ACCURACY

SGT 948.5 SGR 429.8 SG3 153.3
 RRT -.1712 RRF .1948 RTF -.7747
 SGB 1041.3 R23 -.0298 R13 .7767
 SG1 952.0 SG2 421.9 THA 174.47

ORBIT DETERMINATION ACCURACY

ST 496.3 SR 402.2 SS 428.7
 CRT -.9090 CRS -.9945 CST .9340
 LSA 754.3 MSA 149.3 SSA 24.2
 EL1 624.8 EL2 133.2 ALF 141.55

LAUNCH DATE JUN 27 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 21 1967

HELIOCENTRIC CONIC

DISTANCE 222.766

RL 152.07 LAL .00 LOL 274.68 VL 26.038 GAL -4.26 AZL 93.11 HCA 96.28 SMA 124.33 ECC .23459 INC 3.1057 V1 29.296
 RP 108.58 LAP -3.09 LOP 10.97 VP 37.111 GAP -11.48 AZP 89.66 TAL 194.20 TAP 290.48 RCA 95.16 APO 153.50 V2 34.903
 RC 51.950 GL -19.75 GP -5.30 ZAL 118.73 ZAP 12.64 ETS 23.66 ZAE 148.04 ETE 9.03 ZAC 87.40 ETC 13.79 CLP -11.49

PLANETOCENTRIC CONIC

C3 17.330 VHL 4.163 DLA -8.38 RAL 148.74 RAD 6567.7 VEL 11.778 PTH 2.08 VHP 7.359 DPA -1.59 RAP 178.65 ECC 1.2852
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 2 13 1918.01 -11.44 23.51 6.67 116.08 4 34 11 1318.0 -7.85 16.68
 90.00 13 53 42 5087.52 24.38 225.48 10.15 75.14 15 18 30 4487.5 22.11 217.54
 100.00 5 19 30 1668.69 -12.44 4.67 6.15 117.40 5 47 18 1068.7 -8.68 357.90
 100.00 15 19 6 4812.08 25.46 204.89 9.82 73.79 16 39 18 4212.1 22.99 196.96
 110.00 6 18 29 1483.99 -15.08 349.13 4.63 121.05 6 43 13 884.0 -10.86 342.58
 110.00 16 36 36 4569.54 28.33 185.42 8.77 70.03 17 52 46 3969.5 25.35 177.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3476 TRA -.3591 TC3 .8173 BAU .1900 SGT 970.3 SGR 428.4 SG3 172.4 ST 501.7 SR 403.0 SS 444.3
 RDE -.2912 RRA -.1008 RC3 .0688 FAU .04480 RRT -.1990 RRF .2273 RTF -.7852 CRT -.9169 CRS -.9958 CST .9308
 FDE -.5049 FRA -.1155 FC3-2.2381 BSP 2886 SGB 1060.6 R23 -.0362 R13 .7877 LSA 767.3 MSA 148.8 SSA 25.1
 BDE .4534 BRA .3730 BC3 .8202 FSP -455 SG1 974.8 SG2 417.9 THA 173.84 EL1 630.7 EL2 127.9 ALF 141.77

LAUNCH DATE JUN 27 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 23 1967

HELIOCENTRIC CONIC

DISTANCE 229.495

RL 152.07 LAL .00 LOL 274.68 VL 26.185 GAL -4.34 AZL 93.05 HCA 99.46 SMA 125.23 ECC .22672 INC 3.0454 V1 29.296
 RP 108.54 LAP -3.00 LOP 14.16 VP 37.225 GAP -10.66 AZP 89.50 TAL 195.17 TAP 294.63 RCA 96.84 APO 153.63 V2 34.914
 RC 53.515 GL -19.96 GP -5.72 ZAL 120.29 ZAP 15.08 ETS 21.01 ZAE 147.58 ETE 7.58 ZAC 86.84 ETC 13.84 CLP -13.98

PLANETOCENTRIC CONIC

C3 16.513 VHL 4.064 DLA -7.99 RAL 147.12 RAD 6567.7 VEL 11.743 PTH 2.07 VHP 6.915 DPA -2.25 RAP 179.11 ECC 1.2718
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 52 43 1919.41 -11.49 23.59 4.37 116.06 4 24 42 1319.4 -7.89 16.76
 90.00 13 50 19 5063.88 23.96 223.87 7.60 74.44 15 14 43 4463.9 21.60 216.00
 100.00 5 10 12 1669.43 -12.47 4.71 3.87 117.39 5 38 2 1069.4 -8.70 357.95
 100.00 15 15 31 4789.09 25.02 203.33 7.26 73.08 16 35 20 4189.1 22.46 195.46
 110.00 6 9 39 1483.29 -15.06 349.09 2.38 121.06 6 34 22 883.3 -10.83 342.54
 110.00 16 32 33 4548.00 27.82 183.95 6.19 69.29 17 48 21 3948.0 24.75 176.13

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3443 TRA -.3308 TC3 .8906 BAU .1969 SGT 990.6 SGR 427.4 SG3 194.3 ST 506.1 SR 403.7 SS 460.6
 RDE -.2847 RRA -.0988 RC3 .0508 FAU .04927 RRT -.2334 RRF .2660 RTF -.7959 CRT -.9247 CRS -.9964 CST .9278
 FDE -.5424 FRA -.1761 FC3-2.5833 BSP 3007 SGB 1078.9 R23 -.0423 R13 .7990 LSA 780.1 MSA 148.7 SSA 25.7
 BDE .4468 BRA .3452 BC3 .8920 FSP -523 SG1 996.7 SG2 413.0 THA 173.05 EL1 635.7 EL2 122.3 ALF 141.93

LAUNCH DATE JUN 27 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 25 1967

HELIOCENTRIC CONIC

DISTANCE 236.213

RL 152.07 LAL .00 LOL 274.68 VL 26.318 GAL -4.42 AZL 92.98 HCA 102.65 SMA 126.06 ECC .21971 INC 2.9839 V1 29.296
 RP 108.50 LAP -2.91 LOP 17.34 VP 37.330 GAP -9.88 AZP 89.35 TAL 196.11 TAP 298.76 RCA 98.36 APO 153.75 V2 34.926
 RC 55.163 GL -20.09 GP -6.19 ZAL 121.79 ZAP 17.68 ETS 19.05 ZAE 147.37 ETE 6.11 ZAC 86.40 ETC 13.90 CLP -16.59

PLANETOCENTRIC CONIC

C3 15.819 VHL 3.977 DLA -7.55 RAL 145.60 RAD 6567.6 VEL 11.713 PTH 2.06 VHP 6.495 DPA -2.92 RAP 179.44 ECC 1.2603
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 43 16 1923.51 -11.61 23.83 2.26 116.01 4 15 20 1323.5 -8.02 16.99
 90.00 13 47 38 5040.23 23.52 222.28 5.23 73.76 15 11 38 4440.2 21.07 214.46
 100.00 5 0 59 1672.81 -12.57 4.90 1.77 117.34 5 28 52 1072.8 -8.81 358.14
 100.00 15 12 36 4766.16 24.55 201.78 4.89 72.39 16 32 2 4166.2 21.91 193.98
 110.00 6 0 56 1485.09 -15.12 349.19 .30 121.03 6 25 41 885.1 -10.90 342.64
 110.00 16 29 8 4526.65 27.30 182.51 3.81 68.58 17 44 35 3926.7 24.15 174.77

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3377 TRA -.3059 TC3 .9526 BAU .2015 SGT 1004.2 SGR 426.7 SG3 218.8 ST 504.9 SR 404.1 SS 475.5
 RDE -.2789 RRA -.0977 RC3 .0278 FAU .05430 RRT -.2698 RRF .3096 RTF -.8027 CRT -.9302 CRS -.9961 CST .9231
 FDE -.5815 FRA -.2433 FC3-2.9715 BSP 3067 SGB 1091.1 R23 -.0521 R13 .8068 LSA 788.1 MSA 150.0 SSA 26.3
 BDE .4380 BRA .3211 BC3 .9530 FSP -597 SG1 1012.1 SG2 407.7 THA 172.18 EL1 635.9 EL2 117.8 ALF 141.79

LAUNCH DATE JUN 27 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 27 1967

HELIOCENTRIC CONIC

DISTANCE 242.918

RL 152.07 LAL .00 LOL 274.68 VL 26.436 GAL -4.49 AZL 92.92 HCA 105.83 SMA 126.81 ECC .21349 INC 2.9208 V1 29.296
 RP 108.46 LAP -2.81 LOP 20.53 VP 37.425 GAP -9.13 AZP 89.20 TAL 197.03 TAP 302.87 RCA 99.74 APO 153.88 V2 34.938
 RC 56.885 GL -20.13 GP -6.72 ZAL 123.21 ZAP 20.43 ETS 17.57 ZAE 147.44 ETE 4.58 ZAC 86.12 ETC 13.97 CLP -19.34

PLANETOCENTRIC CONIC

C3 15.228 VHL 3.902 DLA -7.08 RAL 144.19 RAD 6567.6 VEL 11.688 PTH 2.06 VHP 6.099 DPA -3.58 RAP 179.61 ECC 1.2506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 33 59 1929.96 -11.80 24.21 .33 115.93 4 6 9 1330.0 -8.22 17.36
 90.00 13 45 39 5016.60 23.06 220.70 3.06 73.10 15 9 15 4416.6 20.53 212.94
 100.00 4 51 56 1678.48 -12.75 5.23 359.85 117.27 5 19 54 1078.5 -8.99 358.45
 100.00 15 10 23 4743.31 24.07 200.25 2.71 71.72 16 29 26 4143.3 21.35 192.51
 110.00 5 52 26 1489.05 -15.26 349.42 358.41 120.97 6 17 15 889.1 -11.04 342.85
 110.00 16 26 22 4505.51 26.77 181.10 1.61 67.90 17 41 27 3905.5 23.53 173.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .3295 TRA -.2829 TC3 1.0051 BAU .2046 SGT 1012.2 SGR 427.3 SG3 246.6 ST 500.3 SR 404.5 SS 490.4
 RDE -.2739 RRA -.0977 RC3 -.0010 FAU .05999 RRT -.3114 RRF .3599 RTF -.8076 CRT -.9344 CRS -.9953 CST .9177
 FDE -.6240 FRA -.3195 FC3-3.4104 BSP 3111 SGB 1098.7 R23 -.0644 R13 .8130 LSA 794.0 MSA 152.2 SSA 26.6
 BDE .4284 BRA .2993 BC3 1.0051 FSP -682 SG1 1022.6 SG2 402.0 THA 171.13 EL1 633.2 EL2 113.9 ALF 141.46

LAUNCH DATE JUN 27 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 29 1967

HELIOCENTRIC CONIC

DISTANCE 249.607

RL 152.07 LAL .00 LOL 274.68 VL 26.541 GAL -4.56 AZL 92.86 HCA 109.02 SMA 127.49 ECC .20798 INC 2.8557 V1 29.296
 RP 108.43 LAP -2.70 LOP 23.73 VP 37.511 GAP -8.41 AZP 89.07 TAL 197.91 TAP 306.93 RCA 100.98 APO 154.01 V2 34.951
 RC 58.673 GL -20.09 GP -7.32 ZAL 124.56 ZAP 23.36 ETS 16.41 ZAE 147.77 ETE 2.96 ZAC 86.00 ETC 14.03 CLP -22.25

PLANETOCENTRIC CONIC

C3 14.721 VHL 3.837 DLA -6.58 RAL 142.89 RAD 6567.6 VEL 11.666 PTH 2.05 VHP 5.726 DPA -4.24 RAP 179.62 ECC 1.2423
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 24 56 1938.40 -12.05 24.70 358.60 115.82 3 57 14 1338.4 -8.48 17.84
 90.00 13 44 22 4993.02 22.59 219.13 1.07 72.45 15 7 35 4393.0 19.98 211.43
 100.00 4 43 8 1686.10 -12.99 5.67 358.12 117.16 5 11 15 1086.1 -9.24 358.88
 100.00 15 8 51 4720.55 23.58 198.74 .72 71.07 16 27 31 4120.6 20.78 191.06
 110.00 5 44 13 1494.87 -15.46 349.75 356.70 120.87 6 9 8 894.9 -11.25 343.17
 110.00 16 24 15 4484.55 26.22 179.71 359.61 67.24 17 39 0 3884.5 22.91 172.12

DIFFERENTIAL CORRECTIONS

TDE .3194 TRA -.2624 TC3 1.0458 BAU .2059
 RDE -.2694 RRA -.0988 RC3 -.0364 FAU .06641
 FDE -.6692 FRA -.4048 FC3-3.9054 BSP 3136
 BDE .4178 BRA .2804 BC3 1.0464 FSP -779

MID-COURSE EXECUTION ACCURACY

SGT 1013.4 SGR 429.8 SG3 278.0
 RRT -.3575 RRF .4166 RTF -.8102
 SGB 1100.8 R23 -.0799 R13 .8176
 SG1 1027.1 SG2 396.0 THA 169.86

ORBIT DETERMINATION ACCURACY

ST 491.9 SR 404.8 SS 504.6
 CRT -.9371 CRS -.9938 CST .9112
 LSA 797.3 MSA 155.3 SSA 26.8
 EL1 627.4 EL2 110.8 ALF 140.91

LAUNCH DATE JUN 27 1967

FLIGHT TIME 96.00

ARRIVAL DATE OCT 1 1967

HELIOCENTRIC CONIC

DISTANCE 256.278

RL 152.07 LAL .00 LOL 274.68 VL 26.635 GAL -4.62 AZL 92.79 HCA 112.22 SMA 128.10 ECC .20314 INC 2.7879 V1 29.296
 RP 108.39 LAP -2.58 LOP 26.92 VP 37.589 GAP -7.71 AZP 88.95 TAL 198.73 TAP 310.95 RCA 102.08 APO 154.13 V2 34.964
 RC 60.521 GL -19.98 GP -7.99 ZAL 125.82 ZAP 26.48 ETS 15.48 ZAE 148.38 ETE 1.17 ZAC 86.07 ETC 14.08 CLP -25.33

PLANETOCENTRIC CONIC

C3 14.283 VHL 3.779 DLA -6.05 RAL 141.73 RAD 6567.6 VEL 11.648 PTH 2.04 VHP 5.377 DPA -4.90 RAP 179.44 ECC 1.2351
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 16 12 1948.55 -12.35 25.30 357.04 115.68 3 48 41 1348.5 -8.80 18.42
 90.00 13 43 48 4969.45 22.10 217.58 359.28 71.83 15 6 37 4369.5 19.41 209.94
 100.00 4 34 41 1695.39 -13.27 6.21 356.58 117.03 5 2 56 1095.4 -9.55 359.41
 100.00 15 8 0 4697.84 23.07 197.25 358.92 70.44 16 26 18 4097.8 20.19 189.63
 110.00 5 36 22 1502.28 -15.72 350.16 355.18 120.75 6 1 24 902.3 -11.52 343.57
 110.00 16 22 49 4463.72 25.67 178.35 357.80 66.61 17 37 13 3863.7 22.28 170.83

DIFFERENTIAL CORRECTIONS

TDE .3092 TRA -.2430 TC3 1.0775 BAU .2063
 RDE -.2657 RRA -.1013 RC3 -.0796 FAU .07377
 FDE -.7201 FRA -.5026 FC3-4.4717 BSP 3179
 BDE .4077 BRA .2633 BC3 1.0805 FSP -894

MID-COURSE EXECUTION ACCURACY

SGT 1010.1 SGR 435.5 SG3 313.9
 RRT -.4105 RRF .4811 RTF -.8121
 SGB 1100.0 R23 -.0976 R13 .8223
 SG1 1028.6 SG2 390.0 THA 168.25

ORBIT DETERMINATION ACCURACY

ST 482.5 SR 405.4 SS 520.5
 CRT -.9393 CRS -.9920 CST .9043
 LSA 801.3 MSA 158.9 SSA 26.8
 EL1 620.8 EL2 108.1 ALF 140.27

LAUNCH DATE JUN 27 1967

FLIGHT TIME 98.00

ARRIVAL DATE OCT 3 1967

HELIOCENTRIC CONIC

DISTANCE 262.931

RL 152.07 LAL .00 LOL 274.68 VL 26.717 GAL -4.67 AZL 92.72 HCA 115.41 SMA 128.65 ECC .19890 INC 2.7169 V1 29.296
 RP 108.35 LAP -2.45 LOP 30.12 VP 37.659 GAP -7.04 AZP 88.83 TAL 199.50 TAP 314.91 RCA 103.06 APO 154.24 V2 34.977
 RC 62.420 GL -19.79 GP -8.75 ZAL 126.97 ZAP 29.82 ETS 14.70 ZAE 149.26 ETE 359.13 ZAC 86.35 ETC 14.12 CLP -28.62

PLANETOCENTRIC CONIC

C3 13.899 VHL 3.728 DLA -5.49 RAL 140.70 RAD 6567.5 VEL 11.631 PTH 2.04 VHP 5.052 DPA -5.56 RAP 179.05 ECC 1.2287
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 7 51 1960.13 -12.69 25.98 355.68 115.53 3 40 31 1360.1 -9.15 19.09
 90.00 13 43 56 4945.86 21.59 216.04 357.67 71.22 15 6 22 4345.9 18.82 208.45
 100.00 4 26 36 1706.09 -13.60 6.84 355.22 116.88 4 55 2 1106.1 -9.89 .01
 100.00 15 7 52 4675.13 22.54 195.76 357.31 69.83 16 25 48 4075.1 19.59 188.21
 110.00 5 28 54 1511.02 -16.02 350.66 353.85 120.61 5 54 5 911.0 -11.84 344.05
 110.00 16 22 3 4442.97 25.10 177.00 356.17 66.00 17 36 6 3843.0 21.64 169.56

DIFFERENTIAL CORRECTIONS

TDE .2949 TRA -.2293 TC3 1.0867 BAU .2034
 RDE -.2622 RRA -.1050 RC3 -.1309 FAU .08187
 FDE -.7706 FRA -.6074 FC3-5.0998 BSP 3146
 BDE .3946 BRA .2522 BC3 1.0945 FSP -1017

MID-COURSE EXECUTION ACCURACY

SGT 993.6 SGR 445.2 SG3 353.5
 RRT -.4619 RRF .5492 RTF -.8082
 SGB 1088.8 R23 -.1233 R13 .8230
 SG1 1018.4 SG2 385.3 THA 166.31

ORBIT DETERMINATION ACCURACY

ST 466.2 SR 405.9 SS 533.7
 CRT -.9383 CRS -.9899 CST .8943
 LSA 799.6 MSA 163.7 SSA 26.7
 EL1 608.7 EL2 107.5 ALF 139.21

LAUNCH DATE JUN 27 1967

FLIGHT TIME 100.00

ARRIVAL DATE OCT 5 1967

HELIOCENTRIC CONIC

DISTANCE 269.563

RL 152.07 LAL .00 LOL 274.68 VL 26.789 GAL -4.71 AZL 92.64 HCA 118.61 SMA 129.13 ECC .19520 INC 2.6420 V1 29.296
 RP 108.31 LAP -2.32 LOP 33.31 VP 37.723 GAP -6.40 AZP 88.73 TAL 200.19 TAP 318.79 RCA 103.93 APO 154.34 V2 34.990
 RC 64.367 GL -19.53 GP -9.61 ZAL 128.03 ZAP 33.37 ETS 14.03 ZAE 150.43 ETE 356.75 ZAC 86.86 ETC 14.14 CLP -32.11

PLANETOCENTRIC CONIC

C3 13.557 VHL 3.682 DLA -4.91 RAL 139.81 RAD 6567.5 VEL 11.616 PTH 2.04 VHP 4.751 DPA -6.21 RAP 178.41 ECC 1.2231
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 59 54 1972.98 -13.07 26.73 354.49 115.35 3 32 47 1373.0 -9.55 19.82
 90.00 13 44 48 4922.12 21.06 214.50 356.25 70.62 15 6 50 4322.1 18.22 206.97
 100.00 4 18 56 1718.03 -13.97 7.53 354.04 116.70 4 47 34 1118.0 -10.28 .69
 100.00 15 8 27 4652.30 22.00 194.28 355.88 69.24 16 26 0 4052.3 18.98 186.79
 110.00 5 21 53 1520.94 -16.37 351.22 352.69 120.44 5 47 14 920.9 -12.20 344.59
 110.00 16 21 59 4422.16 24.52 175.67 354.73 65.40 17 35 42 3822.2 20.99 168.30

DIFFERENTIAL CORRECTIONS

TDE .2784 TRA -.2197 TC3 1.0762 BAU .1981
 RDE -.2592 RRA -.1102 RC3 -.1919 FAU .09084
 FDE -.8219 FRA -.7212 FC3-5.8013 BSP 3082
 BDE .3804 BRA .2458 BC3 1.0932 FSP -1156

MID-COURSE EXECUTION ACCURACY

SGT 966.2 SGR 460.7 SG3 397.4
 RRT -.5115 RRF .6199 RTF -.7996
 SGB 1070.4 R23 -.1560 R13 .8217
 SG1 999.7 SG2 382.6 THA 163.87

ORBIT DETERMINATION ACCURACY

ST 445.9 SR 406.6 SS 545.6
 CRT -.9349 CRS -.9878 CST .8813
 LSA 795.3 MSA 169.1 SSA 26.5
 EL1 593.6 EL2 108.4 ALF 137.82

LAUNCH DATE JUN 27 1967

FLIGHT TIME 102.00

ARRIVAL DATE OCT 7 1967

HELIOCENTRIC CONIC

DISTANCE 276.174

RL 152.07 LAL .00 LOL 274.68 VL 26.852 GAL -4.75 AZL 92.56 HCA 121.81 SMA 129.55 ECC .19199 INC 2.5623 V1 29.296
 RP 108.27 LAP -2.18 LOP 36.51 VP 37.779 GAP -5.78 AZP 88.65 TAL 200.80 TAP 322.61 RCA 104.68 APO 154.43 V2 35.003
 RC 66.356 GL -19.19 GP -10.58 ZAL 128.99 ZAP 37.18 ETS 13.42 ZAE 151.86 ETE 353.87 ZAC 87.62 ETC 14.11 CLP -35.85

PLANETOCENTRIC CONIC

C3 13.247 VHL 3.640 DLA -4.30 RAL 139.06 RAD 6567.5 VEL 11.603 PTH 2.03 VHP 4.475 DPA -6.88 RAP 177.53 ECC 1.2180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 52 20 1986.99 -13.48 27.56 353.49 115.14 3 25 27 1387.0 -9.98 20.63
 90.00 13 46 24 4898.06 20.51 212.95 355.00 70.03 15 8 2 4298.1 17.60 205.48
 100.00 4 11 40 1731.09 -14.37 8.30 353.04 116.50 4 40 31 1131.1 -10.70 1.43
 100.00 15 9 46 4629.19 21.44 192.80 354.63 68.65 16 26 55 4029.2 18.34 185.37
 110.00 5 15 17 1531.92 -16.74 351.85 351.71 120.25 5 40 49 931.9 -12.60 345.19
 110.00 16 22 38 4401.13 23.91 174.33 353.47 64.81 17 35 59 3801.1 20.32 167.03

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2596 TRA -.2151 TC3 1.0429 BAU .1905 SGT 926.6 SGR 483.7 SG3 445.5 ST 421.8 SR 407.6 SS 555.9
 RDE -.2565 RRA -.1168 RC3 -.2643 FAU .10068 RRT -.5543 RRF .6900 RTF -.7840 CRT -.9278 CRS -.9857 CST .8642
 FDE -.8727 FRA -.8419 FC3-6.5795 BSP 2987 SGB 1045.3 R23 -.1970 R13 .8185 LSA 788.5 MSA 175.0 SSA 26.2
 BOE .3649 BRA .2447 BC3 1.0759 FSP -1309 SG1 972.3 SG2 383.7 THA 160.75 EL1 575.8 EL2 111.3 ALF 136.06

LAUNCH DATE JUN 27 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 9 1967

HELIOCENTRIC CONIC

DISTANCE 282.763

RL 152.07 LAL .00 LOL 274.68 VL 26.906 GAL -4.78 AZL 92.48 HCA 125.01 SMA 129.92 ECC .18922 INC 2.4769 V1 29.296
 RP 108.22 LAP -2.03 LOP 39.71 VP 37.829 GAP -5.18 AZP 88.58 TAL 201.33 TAP 326.34 RCA 105.34 APO 154.50 V2 35.016
 RC 68.382 GL -18.78 GP -11.68 ZAL 129.85 ZAP 41.24 ETS 12.84 ZAE 153.52 ETE 350.30 ZAC 88.65 ETC 14.03 CLP -39.84

PLANETOCENTRIC CONIC

C3 12.960 VHL 3.600 DLA -3.66 RAL 138.46 RAD 6567.5 VEL 11.591 PTH 2.03 VHP 4.224 DPA -7.55 RAP 176.36 ECC 1.2133
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 45 10 2002.15 -13.91 28.46 352.65 114.91 3 18 32 1402.1 -10.44 21.50
 90.00 13 48 47 4873.46 19.93 211.38 353.92 69.46 15 10 0 4273.5 16.95 203.97
 100.00 4 4 47 1745.27 -14.80 9.13 352.21 116.27 4 33 53 1145.3 -11.15 2.24
 100.00 15 11 50 4605.57 20.84 191.30 353.54 68.07 16 28 36 4005.6 17.68 183.93
 110.00 5 9 6 1543.93 -17.15 352.54 350.90 120.03 5 34 50 943.9 -13.03 345.85
 110.00 16 24 1 4379.68 23.29 172.98 352.38 64.24 17 37 0 3779.7 19.63 165.75

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2399 TRA -.2143 TC3 .9881 BAU .1817 SGT 876.8 SGR 517.0 SG3 498.5 ST 395.8 SR 409.1 SS 566.1
 RDE -.2543 RRA -.1252 RC3 -.3505 FAU .11144 RRT -.5863 RRF .7566 RTF -.7601 CRT -.9169 CRS -.9838 CST .8425
 FDE -.9242 FRA -.9717 FC3-7.4441 BSP 2897 SGB 1017.8 R23 -.2437 R13 .8159 LSA 781.7 MSA 181.1 SSA 25.8
 BOE .3495 BRA .2482 BC3 1.0484 FSP -1483 SG1 939.9 SG2 390.7 THA 156.67 EL1 557.3 EL2 116.0 ALF 133.97

LAUNCH DATE JUN 27 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 11 1967

HELIOCENTRIC CONIC

DISTANCE 289.330

RL 152.07 LAL .00 LOL 274.68 VL 26.951 GAL -4.79 AZL 92.38 HCA 128.21 SMA 130.23 ECC .18684 INC 2.3844 V1 29.296
 RP 108.18 LAP -1.87 LOP 42.92 VP 37.874 GAP -4.60 AZP 88.52 TAL 201.77 TAP 329.98 RCA 105.90 APO 154.56 V2 35.029
 RC 70.443 GL -18.28 GP -12.90 ZAL 130.60 ZAP 45.57 ETS 12.24 ZAE 155.38 ETE 345.75 ZAC 89.95 ETC 13.87 CLP -44.09

PLANETOCENTRIC CONIC

C3 12.689 VHL 3.562 DLA -2.99 RAL 138.01 RAD 6567.5 VEL 11.579 PTH 2.02 VHP 4.000 DPA -8.24 RAP 174.91 ECC 1.2088
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 20 2018.52 -14.38 29.43 351.98 114.66 3 11 58 1418.5 -10.93 22.45
 90.00 13 51 59 4848.01 19.31 209.77 353.01 68.88 15 12 47 4248.0 16.27 202.41
 100.00 3 58 17 1760.62 -15.26 10.04 351.55 116.02 4 27 37 1160.6 -11.64 3.12
 100.00 15 14 43 4581.14 20.21 189.76 352.62 67.50 16 31 4 3981.1 16.99 182.45
 110.00 5 3 19 1557.00 -17.60 353.29 350.26 119.79 5 29 16 957.0 -13.50 346.58
 110.00 16 26 10 4357.53 22.62 171.60 351.45 63.66 17 38 48 3757.5 18.90 164.45

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .2162 TRA -.2210 TC3 .8988 BAU .1706 SGT 811.0 SGR 560.6 SG3 553.5 ST 364.3 SR 410.3 SS 570.0
 RDE -.2518 RRA -.1349 RC3 -.4507 FAU .12260 RRT -.5919 RRF .8146 RTF -.7171 CRT -.8969 CRS -.9820 CST .8093
 FDE -.9645 FRA -1.0982 FC3-8.3643 BSP 2750 SGB 985.9 R23 -.2960 R13 .8129 LSA 768.2 MSA 187.7 SSA 25.4
 BOE .3319 BRA .2589 BC3 1.0054 FSP -1661 SG1 897.3 SG2 408.4 THA 151.27 EL1 534.6 EL2 123.6 ALF 131.22

LAUNCH DATE JUN 27 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 13 1967

HELIOCENTRIC CONIC

DISTANCE 295.874

RL 152.07 LAL .00 LOL 274.68 VL 26.989 GAL -4.80 AZL 92.28 HCA 131.42 SMA 130.49 ECC .18482 INC 2.2832 V1 29.296
 RP 108.14 LAP -1.71 LOP 46.12 VP 37.913 GAP -4.04 AZP 88.49 TAL 202.12 TAP 333.53 RCA 106.38 APO 154.61 V2 35.042
 RC 72.534 GL -17.70 GP -14.27 ZAL 131.26 ZAP 50.16 ETS 11.59 ZAE 157.33 ETE 339.83 ZAC 91.54 ETC 13.63 CLP -48.62

PLANETOCENTRIC CONIC

C3 12.427 VHL 3.525 DLA -2.27 RAL 137.70 RAD 6567.5 VEL 11.568 PTH 2.02 VHP 3.803 DPA -8.96 RAP 173.15 ECC 1.2045
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 47 2036.30 -14.88 30.50 351.48 114.37 3 5 43 1436.3 -11.47 23.48
 90.00 13 56 5 4821.31 18.65 208.09 352.25 68.30 15 16 27 4221.3 15.54 200.79
 100.00 3 52 4 1777.32 -15.76 11.03 351.05 115.74 4 21 41 1177.3 -12.16 4.08
 100.00 15 18 30 4555.53 19.54 188.15 351.86 66.92 16 34 25 3955.5 16.25 180.91
 110.00 4 57 53 1571.30 -18.08 354.12 349.78 119.52 5 24 4 971.3 -14.01 347.37
 110.00 16 29 10 4334.32 21.92 170.17 350.67 63.09 17 41 24 3734.3 18.13 163.09

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE .1908 TRA -.2337 TC3 .7768 BAU .1599 SGT 735.3 SGR 616.9 SG3 610.3 ST 330.9 SR 411.4 SS 569.6
 RDE -.2492 RRA -.1459 RC3 -.5678 FAU .13404 RRT -.5613 RRF .8630 RTF -.6456 CRT -.8647 CRS -.9806 CST .7613
 FDE -.9944 FRA -1.2193 FC3-9.3381 BSP 2605 SGB 959.8 R23 -.3370 R13 .8180 LSA 751.5 MSA 194.4 SSA 25.0
 BOE .3139 BRA .2755 BC3 .9622 FSP -1847 SG1 853.0 SG2 440.1 THA 143.72 EL1 510.7 EL2 133.9 ALF 127.88

LAUNCH DATE JUN 27 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 15 1967

HELIOCENTRIC CONIC

DISTANCE 302.394

RL 152.07 LAL .00 LOL 274.68 VL 27.019 GAL -4.80 AZL 92.17 HCA 134.62 SMA 130.71 ECC .18311 INC 2.1716 V1 29.296
 RP 108.10 LAP -1.55 LOP 49.33 VP 37.947 GAP -3.50 AZP 88.47 TAL 202.38 TAP 337.00 RCA 106.77 APO 154.64 V2 35.056
 RC 74.652 GL -17.01 GP -15.79 ZAL 131.82 ZAP 55.01 ETS 10.84 ZAE 159.22 ETE 332.04 ZAC 93.40 ETC 13.26 CLP -53.43

PLANETOCENTRIC CONIC

C3 12.168 VHL 3.488 DLA -1.50 RAL 137.54 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 3.634 DPA -9.71 RAP 171.09 ECC 1.2003
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 25 2055.85 -15.43 31.67 351.14 114.04 2 59 41 1455.9 -12.05 24.63
 90.00 14 1 13 4792.83 17.92 206.31 351.64 67.70 15 21 6 4192.8 14.74 199.08
 100.00 3 46 3 1795.71 -16.30 12.13 350.72 115.41 4 15 59 1195.7 -12.74 5.14
 100.00 15 23 15 4528.21 18.80 186.46 351.25 66.32 16 38 44 3928.2 15.44 179.28
 110.00 4 52 42 1587.09 -18.61 355.04 349.47 119.21 5 19 9 987.1 -14.57 348.25
 110.00 16 33 6 4309.59 21.15 168.67 350.05 62.50 17 44 56 3709.6 17.29 161.66

DIFFERENTIAL CORRECTIONS

TOE .1649 TRA -.2516 TC3 .6216 BAU .1529
 RDE -.2463 RRA -.1585 RC3 -.7048 FAU .14552
 FDE -1.0108 FRA -1.3325 FC -10.3532 BSP 2517
 BDE .2963 BRA .2973 BC3 .9397 FSP -2042

MID-COURSE EXECUTION ACCURACY

SGT 657.5 SGR 687.9 SG3 667.7
 RRT -.4757 RRF .9017 RTF -.5268
 SGB 951.5 R23 -.3311 R13 .8460
 SG1 817.8 SG2 486.4 THA 132.29

ORBIT DETERMINATION ACCURACY

ST 298.1 SR 412.2 SS 564.7
 CRT -.8140 CRS -.9793 CST .6918
 LSA 732.5 MSA 201.3 SSA 24.6
 EL1 487.2 EL2 146.5 ALF 123.97

LAUNCH DATE JUN 27 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 17 1967

HELIOCENTRIC CONIC

DISTANCE 308.891

RL 152.07 LAL .00 LOL 274.68 VL 27.044 GAL -4.78 AZL 92.05 HCA 137.84 SMA 130.87 ECC .18168 INC 2.0467 V1 29.296
 RP 108.06 LAP -1.37 LOP 52.53 VP 37.977 GAP -2.98 AZP 88.48 TAL 202.54 TAP 340.38 RCA 107.10 APO 154.65 V2 35.069
 RC 76.795 GL -16.20 GP -17.48 ZAL 132.29 ZAP 60.09 ETS 9.97 ZAE 160.81 ETE 321.92 ZAC 95.52 ETC 12.74 CLP -58.48

PLANETOCENTRIC CONIC

C3 11.908 VHL 3.451 DLA -.65 RAL 137.54 RAD 6567.5 VEL 11.545 PTH 2.02 VHP 3.496 DPA -10.53 RAP 168.75 ECC 1.1960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 19 6 2077.68 -16.03 33.00 350.97 113.66 2 53 44 1477.7 -12.69 25.91
 90.00 14 7 32 4761.88 17.11 204.40 351.18 67.09 15 26 54 4161.9 13.86 197.23
 100.00 3 40 8 1816.26 -16.89 13.36 350.56 115.03 4 10 25 1216.3 -13.38 6.34
 100.00 15 29 10 4498.52 17.98 184.64 350.78 65.71 16 44 9 3898.5 14.55 177.53
 110.00 4 47 42 1604.80 -19.19 356.08 349.33 118.84 5 14 26 1004.8 -15.20 349.24
 110.00 16 38 6 4282.75 20.29 167.05 349.58 61.88 17 49 29 3682.7 16.38 160.12

DIFFERENTIAL CORRECTIONS

TOE .1371 TRA -.2764 TC3 .4230 BAU .1527
 RDE -.2417 RRA -.1712 RC3 -.8607 FAU .15597
 FDE -.9985 FRA -1.4190 FC -11.3392 BSP 2496
 BDE .2779 BRA .3251 BC3 .9590 FSP -2217

MID-COURSE EXECUTION ACCURACY

SGT 589.6 SGR 771.2 SG3 720.5
 RRT -.2954 RRF .9304 RTF -.3215
 SGB 970.8 R23 -.2137 R13 .9069
 SG1 808.5 SG2 537.3 THA 113.70

ORBIT DETERMINATION ACCURACY

ST 266.2 SR 410.7 SS 548.9
 CRT -.7298 CRS -.9778 CST .5832
 LSA 704.9 MSA 208.5 SSA 24.3
 EL1 461.9 EL2 161.8 ALF 119.25

LAUNCH DATE JUN 27 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 19 1967

HELIOCENTRIC CONIC

DISTANCE 315.365

RL 152.07 LAL .00 LOL 274.68 VL 27.062 GAL -4.76 AZL 91.91 HCA 141.05 SMA 131.00 ECC .18050 INC 1.9052 V1 29.296
 RP 108.02 LAP -1.20 LOP 55.74 VP 38.001 GAP -2.48 AZP 88.52 TAL 202.61 TAP 343.66 RCA 107.36 APO 154.65 V2 35.082
 RC 78.958 GL -15.24 GP -19.34 ZAL 132.67 ZAP 65.35 ETS 8.93 ZAE 161.77 ETE 309.34 ZAC 97.85 ETC 12.05 CLP -63.77

PLANETOCENTRIC CONIC

C3 11.642 VHL 3.412 DLA .31 RAL 137.71 RAD 6567.4 VEL 11.534 PTH 2.01 VHP 3.389 DPA -11.42 RAP 166.15 ECC 1.1916
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 39 2102.60 -16.70 34.51 350.97 113.20 2 47 42 1502.6 -13.42 27.37
 90.00 14 15 15 4727.50 16.19 202.30 350.87 66.44 15 34 3 4127.5 12.86 195.20
 100.00 3 34 8 1839.75 -17.56 14.79 350.58 114.58 4 4 48 1239.8 -14.10 7.71
 100.00 15 36 27 4465.57 17.04 182.64 350.47 65.07 16 50 53 3865.6 13.54 175.60
 110.00 4 42 43 1625.11 -19.85 357.29 349.37 118.41 5 9 48 1025.1 -15.90 350.39
 110.00 16 44 22 4252.86 19.33 165.28 349.25 61.24 17 55 15 3652.9 15.34 158.43

DIFFERENTIAL CORRECTIONS

TOE .1109 TRA -.3053 TC3 .1859 BAU .1644
 RDE -.2356 RRA -.1844 RC3 -1.0399 FAU .16518
 FDE -.9610 FRA -1.4792 FC -12.2835 BSP 2649
 BDE .2604 BRA .3567 BC3 1.0564 FSP -2385

MID-COURSE EXECUTION ACCURACY

SGT 560.0 SGR 869.5 SG3 768.1
 RRT -.0103 RRF .9516 RTF -.0182
 SGB 1034.2 R23 .0015 R13 .9517
 SG1 869.5 SG2 560.0 THA 90.65

ORBIT DETERMINATION ACCURACY

ST 241.6 SR 407.0 SS 525.6
 CRT -.6051 CRS -.9760 CST .4310
 LSA 673.1 MSA 216.0 SSA 24.1
 EL1 438.3 EL2 178.6 ALF 113.98

LAUNCH DATE JUN 27 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 21 1967

HELIOCENTRIC CONIC

DISTANCE 321.815

RL 152.07 LAL .00 LOL 274.68 VL 27.074 GAL -4.73 AZL 91.74 HCA 144.26 SMA 131.09 ECC .17955 INC 1.7424 V1 29.296
 RP 107.98 LAP -1.02 LOP 58.96 VP 38.022 GAP -1.99 AZP 88.59 TAL 202.60 TAP 346.86 RCA 107.55 APO 154.63 V2 35.094
 RC 81.139 GL -14.08 GP -21.39 ZAL 132.97 ZAP 70.73 ETS 7.67 ZAE 161.73 ETE 295.13 ZAC 100.34 ETC 11.15 CLP -69.24

PLANETOCENTRIC CONIC

C3 11.368 VHL 3.372 DLA 1.41 RAL 138.04 RAD 6567.4 VEL 11.522 PTH 2.01 VHP 3.315 DPA -12.44 RAP 163.32 ECC 1.1871
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 5 50 2131.76 -17.48 36.30 351.18 112.64 2 41 21 1531.8 -14.26 29.11
 90.00 14 24 45 4688.41 15.11 199.94 350.73 65.76 15 42 53 4088.4 11.71 192.91
 100.00 3 27 49 1867.27 -18.33 16.47 350.79 114.03 3 58 57 1267.3 -14.93 9.32
 100.00 15 45 26 4428.14 15.96 180.39 350.32 64.38 16 59 14 3828.1 12.38 173.43
 110.00 4 37 34 1648.95 -20.62 358.71 349.61 117.89 5 5 3 1048.9 -16.73 351.75
 110.00 16 52 11 4219.22 18.21 163.30 349.09 60.56 18 2 30 3619.2 14.15 156.54

DIFFERENTIAL CORRECTIONS

TOE .0861 TRA -.3389 TC3 -.0978 BAU .1888
 RDE -.2254 RRA -.1957 RC3 -1.2387 FAU .17171
 FDE -.8768 FRA -1.4895 FC -13.0771 BSP 2972
 BDE .2413 BRA .3913 BC3 1.2426 FSP -2503

MID-COURSE EXECUTION ACCURACY

SGT 598.0 SGR 977.3 SG3 803.1
 RRT .3263 RRF .9664 RTF .3278
 SGB 1145.7 R23 .1392 R13 .9565
 SG1 1005.4 SG2 549.5 THA 73.73

ORBIT DETERMINATION ACCURACY

ST 226.4 SR 396.6 SS 485.0
 CRT -.4313 CRS -.9726 CST .2247
 LSA 626.8 MSA 224.2 SSA 24.2
 EL1 412.2 EL2 196.5 ALF 108.07

LAUNCH DATE JUN 27 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 23 1967

HELIOCENTRIC CONIC

DISTANCE 328.242

RL 152.07 LAL .00 LOL 274.68 VL 27.082 GAL -4.68 AZL 91.55 HCA 147.48 SMA 131.14 ECC .17880 INC 1.5519 V1 29.296
 RP 107.94 LAP -.83 LOP 62.17 VP 38.039 GAP -1.52 AZP 88.69 TAL 202.49 TAP 349.97 RCA 107.69 APO 154.59 V2 35.107
 RC 83.336 GL -12.69 GP -23.66 ZAL 133.18 ZAP 76.14 ETS 6.15 ZAE 160.48 ETE 281.10 ZAC 102.91 ETC 10.01 CLP -74.84

PLANETOCENTRIC CONIC

C3 11.083 VHL 3.329 DLA 2.71 RAL 138.56 RAD 6567.4 VEL 11.510 PTH 2.00 VHP 3.277 DPA -13.63 RAP 160.33 ECC 1.1824
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 58 15 2166.90 -18.38 38.48 351.60 111.92 2 34 22 1566.9 -15.25 31.21
 90.00 14 36 31 4642.80 13.82 197.21 350.76 65.03 15 53 53 4042.8 10.34 190.26
 100.00 3 20 51 1900.46 -19.24 18.51 351.23 113.33 3 52 32 1300.5 -15.92 11.29
 100.00 15 56 35 4384.48 14.65 177.80 350.34 63.65 17 9 40 3784.5 11.00 170.92
 110.00 4 32 0 1677.78 -21.53 .46 350.07 117.22 4 59 58 1077.8 -17.71 353.41
 110.00 17 1 56 4179.92 16.88 161.03 349.10 59.83 18 11 36 3579.9 12.74 154.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0663 TRA -.3739 TC3 -.4236 BAU .2253 SGT 712.5 SGR 1095.7 SG3 823.9 ST 224.6 SR 378.2 SS 429.6
 RDE -.2103 RRA -.2047 RC3-1.4602 FAU .17518 RRT .5893 RRF .9769 RTF .5935 CRT -.2425 CRS -.9661 CST .0001
 FDE -.7500 FRA-1.4505 FC-13.6839 BSP 3483 SGB 1307.0 R23 .1883 R13 .9588 LSA 568.2 MSA 233.7 SSA 24.5
 BDE .2205 BRA .4263 BC3 1.5204 FSP -2575 SG1 1195.9 SG2 527.4 THA 63.49 EL1 384.0 EL2 214.6 ALF 101.99

LAUNCH DATE JUN 27 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 25 1967

HELIOCENTRIC CONIC

DISTANCE 334.645

RL 152.07 LAL .00 LOL 274.68 VL 27.085 GAL -4.63 AZL 91.32 HCA 150.70 SMA 131.16 ECC .17823 INC 1.3245 V1 29.296
 RP 107.91 LAP -.65 LOP 65.39 VP 38.052 GAP -1.06 AZP 88.84 TAL 202.30 TAP 353.00 RCA 107.78 APO 154.54 V2 35.119
 RC 85.546 GL -10.95 GP -26.17 ZAL 133.31 ZAP 81.47 ETS 4.32 ZAE 158.03 ETE 269.02 ZAC 105.50 ETC 8.60 CLP -80.49

PLANETOCENTRIC CONIC

C3 10.789 VHL 3.285 DLA 4.29 RAL 139.31 RAD 6567.4 VEL 11.497 PTH 2.00 VHP 3.276 DPA -15.06 RAP 157.20 ECC 1.1776
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 49 23 2210.71 -19.47 41.24 352.31 110.97 2 26 13 1610.7 -16.45 33.87
 90.00 14 51 18 4587.97 12.22 193.98 351.01 64.25 16 7 46 3988.0 8.65 187.11
 100.00 3 12 44 1941.85 -20.34 21.10 351.95 112.39 3 45 6 1341.9 -17.12 13.78
 100.00 16 10 38 4332.07 13.05 174.74 350.58 62.87 17 22 50 3732.1 9.31 167.95
 110.00 4 25 36 1713.81 -22.63 2.67 350.83 116.33 4 54 10 1113.8 -18.91 355.51
 110.00 17 14 16 4132.88 15.25 158.36 349.32 59.03 18 23 8 3532.9 11.03 151.79

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0552 TRA -.4075 TC3 -.7884 BAU .2714 SGT 886.4 SGR 1226.5 SG3 829.4 ST 235.1 SR 349.7 SS 361.5
 RDE -.1892 RRA -.2108 RC3-1.7083 FAU .17532 RRT .7471 RRF .9843 RTF .7510 CRT -.0927 CRS -.9523 CST -.1972
 FDE -.5849 FRA-1.3648 FC-14.0678 BSP 4174 SGB 1513.3 R23 .1990 R13 .9642 LSA 497.2 MSA 245.8 SSA 25.3
 BDE .1971 BRA .4588 BC3 1.8815 FSP -2611 SG1 1425.9 SG2 506.8 THA 56.93 EL1 350.9 EL2 233.2 ALF 96.40

LAUNCH DATE JUN 27 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 27 1967

HELIOCENTRIC CONIC

DISTANCE 341.026

RL 152.07 LAL .00 LOL 274.68 VL 27.083 GAL -4.57 AZL 91.05 HCA 153.92 SMA 131.15 ECC .17783 INC 1.0458 V1 29.296
 RP 107.87 LAP -.46 LOP 68.60 VP 38.062 GAP -.61 AZP 89.06 TAL 202.03 TAP 355.95 RCA 107.83 APO 154.47 V2 35.131
 RC 87.767 GL -8.75 GP -29.01 ZAL 133.33 ZAP 86.62 ETS 2.13 ZAE 154.58 ETE 259.60 ZAC 108.00 ETC 6.88 CLP -86.13

PLANETOCENTRIC CONIC

C3 10.490 VHL 3.239 DLA 6.28 RAL 140.31 RAD 6567.4 VEL 11.484 PTH 2.00 VHP 3.318 DPA -16.82 RAP 153.99 ECC 1.1726
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 38 20 2267.41 -20.81 44.86 353.40 109.64 2 16 8 1667.4 -17.95 37.35
 90.00 15 10 22 4519.84 10.17 190.02 351.54 63.43 16 25 42 3919.8 6.52 183.24
 100.00 3 2 40 1995.42 -21.69 24.50 353.05 111.09 3 35 55 1395.4 -18.63 17.05
 100.00 16 28 44 4267.06 11.00 171.00 351.11 62.03 17 39 51 3667.1 7.17 164.30
 110.00 4 17 44 1760.48 -24.01 5.59 351.98 115.09 4 47 5 1160.5 -20.43 358.28
 110.00 17 30 9 4074.76 13.19 155.12 349.82 58.17 18 38 4 3474.8 8.89 148.66

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0569 TRA -.4369 TC3-1.1917 BAU .3235 SGT 1100.3 SGR 1361.2 SG3 812.2 ST 255.1 SR 301.0 SS 271.8
 RDE -.1565 RRA -.2097 RC3-1.9752 FAU .17075 RRT .8346 RRF .9893 RTF .8371 CRT -.0110 CRS -.9080 CST -.3854
 FDE -.3597 FRA-1.2115 FC-14.0918 BSP 4949 SGB 1750.3 R23 .1985 R13 .9694 LSA 400.2 MSA 261.9 SSA 27.6
 BDE .1665 BRA .4847 BC3 2.3068 FSP -2557 SG1 1680.0 SG2 491.1 THA 52.20 EL1 301.1 EL2 255.1 ALF 91.90

LAUNCH DATE JUN 27 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 29 1967

HELIOCENTRIC CONIC

DISTANCE 347.384

RL 152.07 LAL .00 LOL 274.68 VL 27.078 GAL -4.49 AZL 90.70 HCA 157.14 SMA 131.11 ECC .17757 INC .6946 V1 29.296
 RP 107.83 LAP -.27 LOP 71.82 VP 38.069 GAP -.18 AZP 89.36 TAL 201.67 TAP 358.81 RCA 107.83 APO 154.39 V2 35.143
 RC 89.996 GL -5.89 GP -32.28 ZAL 133.22 ZAP 91.44 ETS 359.52 ZAE 150.30 ETE 252.71 ZAC 110.32 ETC 4.79 CLP -91.70

PLANETOCENTRIC CONIC

C3 10.198 VHL 3.193 DLA 8.86 RAL 141.66 RAD 6567.4 VEL 11.471 PTH 1.99 VHP 3.411 DPA -19.04 RAP 150.70 ECC 1.1678
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 23 39 2344.17 -22.49 49.86 355.04 107.68 2 2 43 1744.2 -19.86 42.17
 90.00 15 35 48 4431.70 7.45 184.98 352.51 62.60 16 49 40 3831.7 3.72 178.28
 100.00 2 49 18 2067.90 -23.39 29.22 354.72 109.17 3 23 46 1467.9 -20.56 21.56
 100.00 16 52 50 4183.20 8.28 166.26 352.06 61.18 18 2 33 3583.2 4.37 159.65
 110.00 4 7 23 1823.57 -25.77 9.65 353.70 113.27 4 37 46 1223.6 -22.40 2.12
 110.00 17 51 14 4000.29 10.48 151.05 350.73 57.28 18 57 55 3400.3 6.09 144.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0783 TRA -.4576 TC3-1.6253 BAU .3806 SGT 1337.0 SGR 1508.1 SG3 775.6 ST 287.8 SR 230.7 SS 187.7
 RDE -.1104 RRA -.2019 RC3-2.2694 FAU .16201 RRT .8834 RRF .9929 RTF .8851 CRT .0144 CRS -.7294 CST -.6606
 FDE -.0984 FRA-1.0139 FC-13.7538 BSP 5836 SGB 2015.4 R23 .1924 R13 .9742 LSA 327.6 MSA 250.8 SSA 32.3
 BDE .1353 BRA .5001 BC3 2.7913 FSP -2455 SG1 1956.7 SG2 482.8 THA 48.89 EL1 287.8 EL2 230.6 ALF 1.84

LAUNCH DATE JUN 27 1967

FLIGHT TIME 126.00

ARRIVAL DATE OCT 31 1967

HELIOCENTRIC CONIC

DISTANCE 353.719

RL 152.07 LAL .00 LOL 274.68 VL 27.068 GAL -4.41 AZL 90.24 HCA 160.37 SMA 131.05 ECC .17745 INC .2341 V1 29.296
 RP 107.80 LAP -.08 LOP 75.05 VP 38.073 GAP .24 AZP 89.78 TAL 201.24 TAP 1.61 RCA 107.79 APO 154.30 V2 35.154
 RC 92.232 GL -2.02 GP -36.15 ZAL 132.88 ZAP 95.76 ETS 356.37 ZAE 145.28 ETE 247.88 ZAC 112.34 ETC 2.24 CLP -97.14

PLANETOCENTRIC CONIC

C3 9.945 VHL 3.154 DLA 12.34 RAL 143.48 RAD 6567.4 VEL 11.460 PTH 1.99 VHP 3.570 DPA -21.90 RAP 147.30 ECC 1.1637
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 2 25 2454.22 -24.57 57.25 357.58 104.54 1 43 19 1854.2 -22.33 49.30
 90.00 16 11 33 4311.62 3.63 178.21 354.20 61.90 17 23 24 3711.6 -.15 171.58
 100.00 2 30 5 2171.49 -25.53 36.17 357.29 106.11 3 6 16 1571.5 -23.07 28.23
 100.00 17 26 34 4069.59 4.50 159.94 353.72 60.42 18 34 23 3469.6 .53 153.40
 110.00 3 52 36 1913.28 -28.05 15.63 356.36 110.39 4 24 29 1313.3 -25.01 7.77
 110.00 18 20 32 3900.55 6.76 145.72 352.32 56.41 19 25 33 3300.6 2.30 139.47

DIFFERENTIAL CORRECTIONS

TDE .1298 TRA -.4640 TC3-2.0771 BAU .4399
 RDE -.0404 RRA -.1810 RC3-2.5757 FAU .14821
 FDE .2126 FRA -.7616 FC-12.9018 BSP 6763
 BDE .1360 BRA .4980 BC3 3.3089 FSP -2265

MID-COURSE EXECUTION ACCURACY

SGT 1586.4 SGR 1660.6 SG3 714.4
 RRT .9115 RRF .9954 RTF .9128
 SGB 2296.6 R23 .1861 R13 .9779
 SG1 2245.3 SG2 482.5 THA 46.44

ORBIT DETERMINATION ACCURACY

ST 352.4 SR 134.0 SS 192.5
 CRT .2272 CRS -.3160 CST -.9582
 LSA 400.1 MSA 130.5 SSA 45.4
 EL1 353.9 EL2 130.0 ALF 5.71

LAUNCH DATE JUN 27 1967

FLIGHT TIME 128.00

ARRIVAL DATE NOV 2 1967

HELIOCENTRIC CONIC

DISTANCE 360.032

RL 152.07 LAL .00 LOL 274.68 VL 27.056 GAL -4.31 AZL 89.60 HCA 163.59 SMA 130.96 ECC .17746 INC .3930 V1 29.296
 RP 107.77 LAP .11 LOP 78.27 VP 38.074 GAP .65 AZP 90.38 TAL 200.74 TAP 4.33 RCA 107.72 APO 154.20 V2 35.165
 RC 94.474 GL 3.41 GP -40.89 ZAL 132.08 ZAP 99.36 ETS 352.57 ZAE 139.47 ETE 244.64 ZAC 113.96 ETC 359.11 CLP -102.43

PLANETOCENTRIC CONIC

C3 9.815 VHL 3.133 DLA 17.24 RAL 146.03 RAD 6567.4 VEL 11.454 PTH 1.99 VHP 3.826 DPA -25.63 RAP 143.65 ECC 1.1615
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 27 54 2626.15 -26.97 69.26 1.65 98.98 1 11 40 2026.1 -25.45 60.92
 90.00 17 6 24 4134.47 -2.08 168.33 357.32 61.75 18 15 19 3534.5 -5.84 161.66
 100.00 1 59 11 2331.79 -28.07 47.39 1.44 100.73 2 38 3 1731.8 -26.30 39.04
 100.00 18 17 48 3904.06 -1.10 150.84 356.78 60.13 19 22 52 3304.1 -5.06 144.30
 110.00 3 29 18 2049.84 -30.91 25.23 .68 105.38 4 3 28 1449.8 -28.49 16.86
 110.00 19 4 11 3758.77 1.38 138.28 355.23 55.84 20 6 50 3158.8 -3.12 132.07

DIFFERENTIAL CORRECTIONS

TDE .2305 TRA -.4471 TC3-2.5132 BAU .5013
 RDE .0651 RRA -.1427 RC3-2.8770 FAU .12978
 FDE .5500 FRA -.4770 FC-11.4478 BSP 7748
 BDE .2396 BRA .4693 BC3 3.8201 FSP -2010

MID-COURSE EXECUTION ACCURACY

SGT 1841.3 SGR 1827.2 SG3 630.8
 RRT .9282 RRF .9971 RTF .9300
 SGB 2594.0 R23 .1785 R13 .9810
 SG1 2547.0 SG2 491.4 THA 44.76

ORBIT DETERMINATION ACCURACY

ST 495.9 SR 154.4 SS 351.9
 CRT .9643 CRS -.9366 CST -.9559
 LSA 620.3 MSA 85.5 SSA 38.8
 EL1 517.9 EL2 39.1 ALF 16.81

LAUNCH DATE JUN 27 1967

FLIGHT TIME 130.00

ARRIVAL DATE NOV 4 1967

HELIOCENTRIC CONIC

DISTANCE 366.320

RL 152.07 LAL .00 LOL 274.68 VL 27.040 GAL -4.20 AZL 88.67 HCA 166.81 SMA 130.85 ECC .17758 INC 1.3267 V1 29.296
 RP 107.73 LAP .30 LOP 81.50 VP 38.073 GAP 1.05 AZP 91.29 TAL 200.17 TAP 6.98 RCA 107.61 APO 154.09 V2 35.175
 RC 96.719 GL 11.37 GP -46.91 ZAL 130.26 ZAP 101.95 ETS 347.94 ZAE 132.63 ETE 242.57 ZAC 114.99 ETC 355.19 CLP -107.64

PLANETOCENTRIC CONIC

C3 10.042 VHL 3.169 DLA 24.40 RAL 149.86 RAD 6567.4 VEL 11.464 PTH 1.99 VHP 4.247 DPA -30.60 RAP 139.46 ECC 1.1653
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 10 42 2952.69 -28.19 92.99 8.37 87.22 23 59 54 2352.7 -28.28 84.32
 90.00 18 50 15 3817.03 -12.00 150.28 3.99 64.16 19 53 52 3217.0 -15.38 143.32
 100.00 0 56 52 2623.06 -29.89 68.79 8.42 89.66 1 40 35 2023.1 -29.62 59.99
 100.00 19 50 42 3621.90 -10.48 135.16 3.20 61.85 20 51 4 3021.9 -14.17 128.30
 110.00 2 45 48 2282.23 -33.80 42.70 8.22 95.45 3 23 50 1682.2 -32.68 33.64
 110.00 20 18 15 3535.49 -7.12 126.58 1.17 56.48 21 17 10 2935.5 -11.48 120.20

DIFFERENTIAL CORRECTIONS

TDE .4181 TRA -.3913 TC3-2.8426 BAU .5618
 RDE .2356 RRA -.0716 RC3-3.0707 FAU .10605
 FDE .9017 FRA -.1651 FC3-9.1428 BSP 8735
 BDE .4799 BRA .3978 BC3 4.1844 FSP -1663

MID-COURSE EXECUTION ACCURACY

SGT 2102.6 SGR 1997.3 SG3 520.9
 RRT .9379 RRF .9981 RTF .9409
 SGB 2900.0 R23 .1716 R13 .9834
 SG1 2854.7 SG2 510.4 THA 43.43

ORBIT DETERMINATION ACCURACY

ST 792.9 SR 432.1 SS 602.7
 CRT .9782 CRS -.9988 CST -.9711
 LSA 1078.4 MSA 124.5 SSA 12.8
 EL1 899.5 EL2 79.2 ALF 28.30

LAUNCH DATE JUN 27 1967

FLIGHT TIME 132.00

ARRIVAL DATE NOV 6 1967

HELIOCENTRIC CONIC

DISTANCE 372.582

RL 152.07 LAL .00 LOL 274.68 VL 27.021 GAL -4.08 AZL 87.15 HCA 170.03 SMA 130.72 ECC .17781 INC 2.8482 V1 29.296
 RP 107.70 LAP .49 LOP 84.72 VP 38.069 GAP 1.44 AZP 92.81 TAL 199.52 TAP 9.55 RCA 107.48 APO 153.96 V2 35.185
 RC 98.967 GL 23.37 GP -54.81 ZAL 126.12 ZAP 103.03 ETS 342.22 ZAE 124.27 ETE 241.11 ZAC 115.17 ETC 350.12 CLP -113.04

PLANETOCENTRIC CONIC

C3 11.406 VHL 3.377 DLA 35.08 RAL 156.34 RAD 6567.4 VEL 11.524 PTH 2.01 VHP 5.000 DPA -37.24 RAP 134.04 ECC 1.1877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 68.37 18 47 13 3915.59 -27.58 164.95 18.31 67.40 19 52 28 3315.6 -30.39 156.80
 111.63 0 9 20 2905.99 -27.57 89.40 18.30 67.39 0 57 46 2306.0 -30.38 81.25
 68.37 18 47 13 3915.59 -27.58 164.95 18.31 67.40 19 52 28 3315.6 -30.39 156.80
 111.63 0 9 20 2905.99 -27.57 89.40 18.30 67.39 0 57 46 2306.0 -30.38 81.25
 68.37 18 47 13 3915.59 -27.58 164.95 18.31 67.40 19 52 28 3315.6 -30.39 156.80
 111.63 0 9 20 2905.99 -27.57 89.40 18.30 67.39 0 57 46 2306.0 -30.38 81.25

DIFFERENTIAL CORRECTIONS

TDE .7813 TRA -.2612 TC3-2.8245 BAU .6184
 RDE .5186 RRA .0589 RC3-2.9099 FAU .07773
 FDE 1.2014 FRA .1367 FC3-5.9000 BSP 9763
 BDE .9377 BRA .2678 BC3 4.0553 FSP -1251

MID-COURSE EXECUTION ACCURACY

SGT 2385.3 SGR 2156.9 SG3 387.5
 RRT .9426 RRF .9986 RTF .9488
 SGB 3215.9 R23 .1646 R13 .9852
 SG1 3169.9 SG2 541.7 THA 41.95

ORBIT DETERMINATION ACCURACY

ST 1336.5 SR 882.6 SS 882.8
 CRT .9864 CRS -1.0000 CST -.9865
 LSA 1822.6 MSA 150.0 SSA 5.2
 EL1 1597.0 EL2 121.4 ALF 33.30

LAUNCH DATE JUN 27 1967

FLIGHT TIME 134.00

ARRIVAL DATE NOV 8 1967

HELIOCENTRIC CONIC

DISTANCE 378.810

RL 152.07 LAL .00 LOL 274.68 VL 27.000 GAL -3.95 AZL 84.20 HCA 173.24 SMA 130.57 ECC .17812 INC 5.7988 V1 29.296
 RP 107.67 LAP .68 LOP 87.95 VP 38.062 GAP 1.81 AZP 95.76 TAL 198.81 TAP 12.05 RCA 107.32 APO 153.83 V2 35.195
 RC 101.218 GL 40.79 GP -65.50 ZAL 117.55 ZAP 101.95 ETS 334.62 ZAE 113.51 ETE 238.95 ZAC 114.11 ETC 342.86 CLP-119.96

PLANETOCENTRIC CONIC

C3 17.362 VHL 4.167 DLA 49.75 RAL 169.47 RAD 6567.7 VEL 11.779 PTH 2.08 VHP 6.601 DPA -46.03 RAP 125.52 ECC 1.2857
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 47.22 18 8 0 4260.61 -34.16 199.45 44.42 51.34 19 19 0 3660.6 -38.90 191.84
 132.78 2 33 18 2745.78 -34.15 80.08 44.41 51.33 3 19 4 2145.8 -38.89 72.47
 47.22 18 8 0 4260.61 -34.16 199.45 44.42 51.34 19 19 0 3660.6 -38.90 191.84
 132.78 2 33 18 2745.78 -34.15 80.08 44.41 51.33 3 19 4 2145.8 -38.89 72.47
 47.22 18 8 0 4260.61 -34.16 199.45 44.42 51.34 19 19 0 3660.6 -38.90 191.84
 132.78 2 33 18 2745.78 -34.15 80.08 44.41 51.33 3 19 4 2145.8 -38.89 72.47

DIFFERENTIAL CORRECTIONS

TDE 1.5687 TRA .0603 TC3-2.0278 BAU .6494
 RDE .9725 RRA .3304 RC3-1.9275 FAU .04604
 FDE 1.3236 FRA .3959 FC3-2.2955 BSP 10643
 BDE 1.8457 BRA .3358 BC3 2.7977 FSP -779

MID-COURSE EXECUTION ACCURACY

SGT 2743.2 SGR 2205.2 SG3 239.5
 RRT .9405 RRF .9979 RTF .9558
 SGB 3519.7 R23 .1604 R13 .9862
 SG1 3469.4 SG2 592.4 THA 38.42

ORBIT DETERMINATION ACCURACY

ST 2158.0 SR 1354.7 SS 1048.5
 CRT .9903 CRS -.9998 CST -.9928
 LSA 2749.5 MSA 177.7 SSA 2.4
 EL1 2543.0 EL2 159.3 ALF 32.01

LAUNCH DATE JUN 27 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 10 1967

HELIOCENTRIC CONIC

DISTANCE 384.966

RL 152.07 LAL .00 LOL 274.68 VL 26.977 GAL -3.80 AZL 76.04 HCA 176.40 SMA 130.41 ECC .17848 INC13.9598 V1 29.296
 RP 107.65 LAP .87 LOP 91.19 VP 38.054 GAP 2.17 AZP 103.94 TAL 197.99 TAP 14.39 RCA 107.14 APO 153.69 V2 35.204
 RC 103.470 GL 60.49 GP -80.20 ZAL 104.38 ZAP 98.00 ETS 315.61 ZAE 98.12 ETE 225.36 ZAC 111.52 ETC 323.14 CLP-144.85

PLANETOCENTRIC CONIC

C3 55.688 VHL 7.462 DLA 62.02 RAL 198.77 RAD 6569.0 VEL 13.306 PTH 2.43 VHP 11.422 DPA -56.66 RAP 106.64 ECC 1.9165
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 32.20 19 22 58 4635.86 -24.29 229.59 94.91 30.97 20 40 13 4035.9 -31.07 225.21
 147.80 5 12 8 2946.45 -24.28 89.92 94.89 30.97 6 1 14 2346.4 -31.06 85.54
 32.20 19 22 58 4635.86 -24.29 229.59 94.91 30.97 20 40 13 4035.9 -31.07 225.21
 147.80 5 12 8 2946.45 -24.28 89.92 94.89 30.97 6 1 14 2346.4 -31.06 85.54
 32.20 19 22 58 4635.86 -24.29 229.59 94.91 30.97 20 40 13 4035.9 -31.07 225.21
 147.80 5 12 8 2946.45 -24.28 89.92 94.89 30.97 6 1 14 2346.4 -31.06 85.54

DIFFERENTIAL CORRECTIONS

TDE 3.3538 TRA 1.3199 TC3 -.5914 BAU .5139
 RDE .6889 RRA .8144 RC3 -.3560 FAU .01572
 FDE .9975 FRA .6082 FC3 -.2443 BSP 10728
 BDE 3.4238 BRA 1.5509 BC3 .6903 FSP -346

MID-COURSE EXECUTION ACCURACY

SGT 3475.1 SGR 1529.4 SG3 113.0
 RRT .8863 RRF .9628 RTF .9779
 SGB 3796.8 R23 .1376 R13 .9901
 SG1 3739.3 SG2 658.1 THA 22.03

ORBIT DETERMINATION ACCURACY

ST 2655.5 SR 663.3 SS 811.3
 CRT .9207 CRS -.9622 CST -.9922
 LSA 2842.5 MSA 264.8 SSA 1.0
 EL1 2725.4 EL2 252.2 ALF 13.07

LAUNCH DATE JUN 27 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 12 1967

HELIOCENTRIC CONIC

DISTANCE 390.409

RL 152.07 LAL .00 LOL 274.68 VL 26.951 GAL -3.50 AZL 13.89 HCA 178.92 SMA 130.23 ECC .17816 INC76.0919 V1 29.296
 RP 107.62 LAP 1.05 LOP 94.42 VP 38.043 GAP 2.32 AZP 166.10 TAL 196.55 TAP 15.46 RCA 107.03 APO 153.44 V2 35.212
 RC 105.723 GL 48.76 GP -52.94 ZAL 92.83 ZAP 92.06 ETS 184.96 ZAE 55.32 ETE 98.93 ZAC 108.80 ETC 183.37 CLP 93.42

PLANETOCENTRIC CONIC

C31206.100 VHL 34.729 DLA 43.48 RAL 204.71 RAD 6573.1 VEL 36.433 PTH 3.53 VHP 46.814 DPA -46.38 RAP 37.11 ECC20.8494
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 55.51 20 58 26 4894.47 .65 225.06 115.40 46.53 22 20 0 4294.5 -4.85 219.66
 124.49 4 24 1 3531.07 .66 120.03 115.39 46.53 5 22 52 2931.1 -4.84 114.63
 55.51 20 58 26 4894.47 .65 225.06 115.40 46.53 22 20 0 4294.5 -4.85 219.66
 124.49 4 24 1 3531.07 .66 120.03 115.39 46.53 5 22 52 2931.1 -4.84 114.63
 55.51 20 58 26 4894.47 .65 225.06 115.40 46.53 22 20 0 4294.5 -4.85 219.66
 124.49 4 24 1 3531.07 .66 120.03 115.39 46.53 5 22 52 2931.1 -4.84 114.63

DIFFERENTIAL CORRECTIONS

TDE-4.9182 TRA-1.4418 TC3 -.0901 BAU 3.8325
 RDE-7.8327 RRA-10.2166 RC3 -.2199 FAU-.06419
 FDE 1.5468 FRA 2.2089 FC3 .0461 BSP 4195
 BDE 9.2488 BRA10.3179 BC3 .2377 FSP -80

MID-COURSE EXECUTION ACCURACY

SGT 1076.0 SGR 3065.8 SG3 56.0
 RRT .8386 RRF -.9995 RTF -.8206
 SGB 3249.1 R23 -.0855 R13 -.9963
 SG1 3200.2 SG2 561.5 THA 73.06

ORBIT DETERMINATION ACCURACY

ST 817.6 SR 1468.9 SS 1199.3
 CRT .9309 CRS .9992 CST .9161
 LSA 2044.5 MSA 290.1 SSA .5
 EL1 1660.2 EL2 264.2 ALF 61.83

LAUNCH DATE JUN 27 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 14 1967

HELIOCENTRIC CONIC

DISTANCE 397.751

RL 152.07 LAL .00 LOL 274.68 VL 26.924 GAL -3.56 AZL 112.52 HCA 183.22 SMA 130.05 ECC .18012 INC22.5164 V1 29.296
 RP 107.60 LAP 1.23 LOP 97.66 VP 38.031 GAP 2.99 AZP 67.51 TAL 196.63 TAP 19.85 RCA 106.62 APO 153.47 V2 35.220
 RC 107.975 GL -65.00 GP 80.04 ZAL 98.82 ZAP 99.55 ETS 92.32 ZAE 91.36 ETE 179.22 ZAC 84.55 ETC 81.08 CLP-163.66

PLANETOCENTRIC CONIC

C3 128.944 VHL 11.355 DLA -51.58 RAL 130.69 RAD 6570.4 VEL 15.820 PTH 2.80 VHP 12.759 DPA 74.83 RAP 267.03 ECC 3.1221
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 44.90 3 27 48 2109.54 11.68 55.91 31.24 140.61 4 2 58 1509.5 17.80 51.00
 135.10 12 4 6 5847.95 11.69 270.88 31.25 140.61 13 41 34 5248.0 17.82 265.97
 44.90 3 27 48 2109.54 11.68 55.91 31.24 140.61 4 2 58 1509.5 17.80 51.00
 135.10 12 4 6 5847.95 11.69 270.88 31.25 140.61 13 41 34 5248.0 17.82 265.97
 44.90 3 27 48 2109.54 11.68 55.91 31.24 140.61 4 2 58 1509.5 17.80 51.00
 135.10 12 4 6 5847.95 11.69 270.88 31.25 140.61 13 41 34 5248.0 17.82 265.97

DIFFERENTIAL CORRECTIONS

TDE-6.1314 TRA-2.3975 TC3 -.1158 BAU .2009
 RDE-1.4706 RRA-1.4342 RC3 -.0127 FAU .00775
 FDE-2.1410 FRA -.7150 FC3 -.0521 BSP 11348
 BDE 6.3053 BRA 2.7937 BC3 .1165 FSP -314

MID-COURSE EXECUTION ACCURACY

SGT 3664.7 SGR 1381.1 SG3 106.4
 RRT .9029 RRF .8704 RTF .9974
 SGB 3916.3 R23 -.1205 R13 .9926
 SG1 3875.9 SG2 561.2 THA 19.21

ORBIT DETERMINATION ACCURACY

ST 3148.4 SR 820.1 SS 1206.2
 CRT .9681 CRS -.9610 CST -.9996
 LSA 3463.8 MSA 205.0 SSA .8
 EL1 3247.3 EL2 199.4 ALF 14.21

LAUNCH DATE JUN 27 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 16 1967

HELIOCENTRIC CONIC

DISTANCE 403.834

RL 152.07 LAL .00 LOL 274.68 VL 26.895 GAL -3.38 AZL 102.81 HCA 186.37 SMA 129.85 ECC .18076 INC12.8087 V1 29.296
 RP 107.58 LAP 1.41 LOP 100.89 VP 38.017 GAP 3.32 AZP 77.27 TAL 195.64 TAP 22.01 RCA 106.37 APO 153.32 V2 35.227
 RC 110.226 GL -59.35 GP 63.34 ZAL 103.81 ZAP 109.05 ETS 46.65 ZAE 107.68 ETE 138.04 ZAC 90.30 ETC 37.13 CLP-136.67

PLANETOCENTRIC CONIC

C3 47.868 VHL 6.919 DLA -45.18 RAL 131.65 RAD 6568.8 VEL 13.009 PTH 2.37 VHP 7.114 DPA 70.10 RAP 203.53 ECC 1.7878
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 53.20 3 59 52 1815.17 20.97 37.11 19.24 130.98 4 30 7 1215.2 26.08 30.81
 126.80 11 39 42 5691.97 20.98 265.65 19.26 130.98 13 14 34 5092.0 26.09 259.35
 53.20 3 59 52 1815.17 20.97 37.11 19.24 130.98 4 30 7 1215.2 26.08 30.81
 126.80 11 39 42 5691.97 20.98 265.65 19.26 130.98 13 14 34 5092.0 26.09 259.35
 53.20 3 59 52 1815.17 20.97 37.11 19.24 130.98 4 30 7 1215.2 26.08 30.81
 126.80 11 39 42 5691.97 20.98 265.65 19.26 130.98 13 14 34 5092.0 26.09 259.35

DIFFERENTIAL CORRECTIONS

TDE-3.1398 TRA-1.9378 TC3 -.8268 BAU .5736
 RDE 1.7313 RRA .3881 RC3 .3460 FAU .03661
 FDE-2.6472 FRA -.9551 FC3 -.6621 BSP 12253
 BDE 3.5855 BRA 1.9763 BC3 .8963 FSP -719

MID-COURSE EXECUTION ACCURACY

SGT 3640.3 SGR 1578.9 SG3 227.0
 RRT -.9245 RRF -.9867 RTF .9725
 SGB 3968.0 R23 .1728 R13 -.9843
 SG1 3928.6 SG2 557.6 THA 157.68

ORBIT DETERMINATION ACCURACY

ST 2688.6 SR 1440.3 SS 1363.4
 CRT -.9869 CRS .9984 CST -.9945
 LSA 3333.6 MSA 222.0 SSA 1.6
 EL1 3043.2 EL2 204.9 ALF 152.00

LAUNCH DATE JUN 27 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 18 1967

HELIOCENTRIC CONIC

DISTANCE 409.964

RL 152.07 LAL .00 LOL 274.68 VL 26.864 GAL -3.19 AZL 99.55 HCA 189.58 SMA 129.63 ECC .18157 INC 9.5450 V1 29.296
 RP 107.56 LAP 1.58 LOP 104.13 VP 38.001 GAP 3.66 AZP 80.59 TAL 194.67 TAP 24.25 RCA 106.10 APO 153.17 V2 35.233
 RC 112.475 GL -53.87 GP 50.21 ZAL 106.49 ZAP 117.38 ETS 40.21 ZAE 117.76 ETE 138.77 ZAC 95.41 ETC 31.73 CLP-135.93

PLANETOCENTRIC CONIC

C3 30.324 VHL 5.507 DLA -40.19 RAL 134.79 RAD 6568.2 VEL 12.317 PTH 2.22 VHP 5.511 DPA 60.04 RAP 182.35 ECC 1.4990
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.20 4 41 21 1621.70 23.48 22.10 13.82 123.60 5 8 23 1021.7 27.72 14.99
 119.80 11 23 18 5655.35 23.49 264.49 13.84 123.59 12 57 34 5055.3 27.74 257.38
 60.20 4 41 21 1621.70 23.48 22.10 13.82 123.60 5 8 23 1021.7 27.72 14.99
 119.80 11 23 18 5655.35 23.49 264.49 13.84 123.59 12 57 34 5055.3 27.74 257.38
 60.20 4 41 21 1621.70 23.48 22.10 13.82 123.60 5 8 23 1021.7 27.72 14.99
 119.80 11 23 18 5655.35 23.49 264.49 13.84 123.59 12 57 34 5055.3 27.74 257.38

DIFFERENTIAL CORRECTIONS

TDE-2.3918 TRA-1.5858 TC3 1.4875 BAU .6453
 RDE 1.2094 RRA .3018 RC3 .5666 FAU .06073
 FDE-3.0427 FRA-1.0485 FC3 1.7337 BSP 12199
 BDE 2.6801 BRA 1.6143 BC3 1.5918 FSP -1090

MID-COURSE EXECUTION ACCURACY

SGT 3680.0 SGR 1463.5 SG3 342.4
 RRT -.9361 RRF -.9935 RTF .9661
 SGB 3960.3 R23 .2080 R13 -.9768
 SG1 3930.9 SG2 481.7 THA 159.25

ORBIT DETERMINATION ACCURACY

ST 2572.0 SR 1264.5 SS 1521.4
 CRT -.9877 CRS .9993 CST -.9928
 LSA 3237.7 MSA 214.9 SSA 2.3
 EL1 2860.5 EL2 177.8 ALF 153.99

LAUNCH DATE JUN 27 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 20 1967

HELIOCENTRIC CONIC

DISTANCE 416.091

RL 152.07 LAL .00 LOL 274.68 VL 26.831 GAL -3.00 AZL 97.91 HCA 192.81 SMA 129.42 ECC .18250 INC 7.9124 V1 29.296
 RP 107.54 LAP 1.75 LOP 107.37 VP 37.984 GAP 4.00 AZP 82.28 TAL 193.67 TAP 26.48 RCA 105.80 APO 153.03 V2 35.239
 RC 114.720 GL -49.73 GP 40.44 ZAL 107.72 ZAP 124.11 ETS 36.59 ZAE 124.04 ETE 143.31 ZAC 99.06 ETC 28.91 CLP-137.47

PLANETOCENTRIC CONIC

C3 23.370 VHL 4.834 DLA -36.72 RAL 137.73 RAD 6567.9 VEL 12.031 PTH 2.15 VHP 4.896 DPA 51.41 RAP 173.90 ECC 1.3846
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 65.58 5 19 30 1480.92 23.83 10.69 11.40 118.80 5 44 11 880.9 27.48 3.21
 114.42 11 8 39 5666.99 23.85 265.69 11.40 118.79 12 43 6 5067.0 27.50 258.20
 65.58 5 19 30 1480.92 23.83 10.69 11.40 118.80 5 44 11 880.9 27.48 3.21
 114.42 11 8 39 5666.99 23.85 265.69 11.40 118.79 12 43 6 5067.0 27.50 258.20
 65.58 5 19 30 1480.92 23.83 10.69 11.40 118.80 5 44 11 880.9 27.48 3.21
 114.42 11 8 39 5666.99 23.85 265.69 11.40 118.79 12 43 6 5067.0 27.50 258.20

DIFFERENTIAL CORRECTIONS

TDE-2.1015 TRA-1.4177 TC3-2.1097 BAU .6882
 RDE .8711 RRA .2072 RC3 .6336 FAU .07813
 FDE-3.1800 FRA-1.0287 FC3-2.8945 BSP 12721
 BDE 2.2749 BRA 1.4328 BC3 2.2028 FSP -1406

MID-COURSE EXECUTION ACCURACY

SGT 3841.7 SGR 1238.9 SG3 426.4
 RRT -.9377 RRF -.9931 RTF .9645
 SGB 4036.5 R23 .2248 R13 -.9720
 SG1 4015.4 SG2 411.7 THA 162.99

ORBIT DETERMINATION ACCURACY

ST 2569.6 SR 1036.6 SS 1606.3
 CRT -.9875 CRS .9995 CST -.9920
 LSA 3195.9 MSA 210.4 SSA 3.2
 EL1 2766.7 EL2 152.1 ALF 158.21

LAUNCH DATE JUN 27 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 22 1967

HELIOCENTRIC CONIC

DISTANCE 422.211

RL 152.07 LAL .00 LOL 274.68 VL 26.798 GAL -2.80 AZL 96.93 HCA 196.05 SMA 129.19 ECC .18353 INC 6.9287 V1 29.296
 RP 107.52 LAP 1.91 LOP 110.62 VP 37.964 GAP 4.34 AZP 83.34 TAL 192.62 TAP 28.67 RCA 105.48 APO 152.90 V2 35.244
 RC 116.961 GL -46.61 GP 33.22 ZAL 108.02 ZAP 129.48 ETS 33.75 ZAE 127.77 ETE 148.34 ZAC 101.41 ETC 26.68 CLP-139.46

PLANETOCENTRIC CONIC

C3 19.746 VHL 4.444 DLA -34.33 RAL 140.44 RAD 6567.8 VEL 11.880 PTH 2.11 VHP 4.646 DPA 44.65 RAP 169.81 ECC 1.3250
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.73 5 53 35 1370.44 23.62 1.80 10.58 115.66 6 16 26 770.4 26.88 354.13
 110.27 10 56 6 5696.29 23.64 267.89 10.59 115.65 12 31 3 5096.3 26.89 260.23
 69.73 5 53 35 1370.44 23.62 1.80 10.58 115.66 6 16 26 770.4 26.88 354.13
 110.27 10 56 6 5696.29 23.64 267.89 10.59 115.65 12 31 3 5096.3 26.89 260.23
 69.73 5 53 35 1370.44 23.62 1.80 10.58 115.66 6 16 26 770.4 26.88 354.13
 110.27 10 56 6 5696.29 23.64 267.89 10.59 115.65 12 31 3 5096.3 26.89 260.23

DIFFERENTIAL CORRECTIONS

TDE-1.9162 TRA-1.2617 TC3-2.5820 BAU .6978
 RDE .6364 RRA .1196 RC3 .5652 FAU .08344
 FDE-3.0386 FRA -.8293 FC3-3.6584 BSP 12156
 BDE 2.0192 BRA 1.2674 BC3 2.6431 FSP -1409

MID-COURSE EXECUTION ACCURACY

SGT 3905.3 SGR 980.1 SG3 453.9
 RRT -.9270 RRF -.9886 RTF .9598
 SGB 4026.4 R23 .2433 R13 -.9651
 SG1 4010.4 SG2 358.0 THA 166.80

ORBIT DETERMINATION ACCURACY

ST 2541.4 SR 822.7 SS 1580.9
 CRT -.9861 CRS .9995 CST -.9908
 LSA 3096.9 MSA 208.9 SSA 4.1
 EL1 2668.0 EL2 130.1 ALF 162.25

LAUNCH DATE JUN 27 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 24 1967

HELIOCENTRIC CONIC

DISTANCE 428.313

RL 152.07 LAL .00 LOL 274.68 VL 26.763 GAL -2.59 AZL 96.27 HCA 199.29 SMA 128.96 ECC .18468 INC 6.2683 V1 29.296
 RP 107.51 LAP 2.07 LOP 113.86 VP 37.944 GAP 4.67 AZP 84.08 TAL 191.55 TAP 30.84 RCA 105.14 APO 152.77 V2 35.248
 RC 119.197 GL -44.18 GP 27.80 ZAL 107.71 ZAP 133.84 ETS 31.38 ZAE 129.88 ETE 152.98 ZAC 102.76 ETC 24.80 CLP-141.54

PLANETOCENTRIC CONIC

C3 17.545 VHL 4.189 DLA -32.68 RAL 142.99 RAD 6567.7 VEL 11.787 PTH 2.08 VHP 4.562 DPA 39.37 RAP 167.70 ECC 1.2887
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 72.97 6 23 54 1280.80 23.33 354.71 10.72 113.56 6 45 15 680.8 26.31 346.94
 107.03 10 46 8 5730.42 23.34 270.39 10.73 113.55 12 21 38 5130.4 26.32 262.62
 72.97 6 23 54 1280.80 23.33 354.71 10.72 113.56 6 45 15 680.8 26.31 346.94
 107.03 10 46 8 5730.42 23.34 270.39 10.73 113.55 12 21 38 5130.4 26.32 262.62
 110.00 9 48 2 621.61 16.88 302.82 7.25 120.17 9 58 23 21.6 20.76 295.84
 110.00 12 21 11 5437.61 30.12 250.58 13.53 106.99 13 51 49 4837.6 32.14 241.96

DIFFERENTIAL CORRECTIONS

TDE-1.8378 TRA-1.1675 TC3-3.0658 BAU .7284
 RDE .5002 RRA .0774 RC3 .4952 FAU .08726
 FDE-2.9028 FRA -.6823 FC3-4.3058 BSP 12678
 BDE 1.9046 BRA 1.1700 BC3 3.1056 FSP -1499

MID-COURSE EXECUTION ACCURACY

SGT 4063.9 SGR 809.9 SG3 473.3
 RRT -.9187 RRF -.9810 RTF .9590
 SGB 4143.8 R23 .2395 R13 -.9625
 SG1 4131.8 SG2 314.6 THA 169.56

ORBIT DETERMINATION ACCURACY

ST 2578.6 SR 685.3 SS 1571.3
 CRT -.9859 CRS .9996 CST -.9903
 LSA 3089.6 MSA 205.6 SSA 5.1
 EL1 2665.8 EL2 110.8 ALF 165.29

LAUNCH DATE JUN 27 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 26 1967

HELIOCENTRIC CONIC

DISTANCE 434.399

RL 152.07 LAL .00 LOL 274.68 VL 26.727 GAL -2.36 AZL 95.79 HCA 202.53 SMA 128.72 ECC .18593 INC 5.7917 V1 29.296
 RP 107.50 LAP 2.22 LOP 117.11 VP 37.922 GAP 5.00 AZP 84.65 TAL 190.45 TAP 32.97 RCA 104.78 APO 152.65 V2 35.252
 RC 121.426 GL -42.24 GP 23.67 ZAL 106.94 ZAP 137.48 ETS 29.40 ZAE 130.98 ETE 156.97 ZAC 103.39 ETC 23.18 CLP-143.59

PLANETOCENTRIC CONIC

C3 16.070 VHL 4.009 DLA -31.55 RAL 145.47 RAD 6567.6 VEL 11.724 PTH 2.07 VHP 4.564 DPA 35.17 RAP 166.69 ECC 1.2645
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.46 6 50 31 1208.55 23.09 349.10 11.48 112.12 7 10 40 608.6 25.89 341.27
 104.54 10 39 21 5762.33 23.10 272.71 11.48 112.11 12 15 24 5162.3 25.90 264.89
 75.46 6 50 31 1208.55 23.09 349.10 11.48 112.12 7 10 40 608.6 25.89 341.27
 104.54 10 39 21 5762.33 23.10 272.71 11.48 112.11 12 15 24 5162.3 25.90 264.89
 110.00 9 33 39 679.00 14.89 306.07 7.14 121.13 9 44 58 79.0 18.90 299.26
 110.00 12 55 24 5339.88 31.85 243.50 14.61 103.13 14 24 24 4739.9 33.32 234.58

DIFFERENTIAL CORRECTIONS

TDE-1.7948 TRA-1.0774 TC3-3.4940 BAU .7557
 RDE .4084 RRA .0490 RC3 .4083 FAU .08731
 FDE-2.7339 FRA -.5192 FC3-4.7036 BSP 13100
 BDE 1.8407 BRA 1.0785 BC3 3.5178 FSP -1516

MID-COURSE EXECUTION ACCURACY

SGT 4206.4 SGR 674.3 SG3 475.2
 RRT -.9037 RRF -.9673 RTF .9580
 SGB 4260.1 R23 .2278 R13 -.9602
 SG1 4250.5 SG2 285.7 THA 171.72

ORBIT DETERMINATION ACCURACY

ST 2623.3 SR 584.3 SS 1545.0
 CRT -.9861 CRS .9996 CST -.9900
 LSA 3093.4 MSA 202.3 SSA 6.1
 EL1 2685.9 EL2 94.7 ALF 167.60

LAUNCH DATE JUN 27 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 28 1967

HELIOCENTRIC CONIC

DISTANCE 440.469

RL 152.07 LAL .00 LOL 274.68 VL 26.691 GAL -2.13 AZL 95.43 HCA 205.77 SMA 128.47 ECC .18730 INC 5.4296 V1 29.296
 RP 107.49 LAP 2.36 LOP 120.35 VP 37.899 GAP 5.33 AZP 85.11 TAL 189.31 TAP 35.08 RCA 104.41 APO 152.53 V2 35.255
 RC 123.648 GL -40.64 GP 20.45 ZAL 105.84 ZAP 140.60 ETS 27.74 ZAE 131.48 ETE 160.28 ZAC 103.47 ETC 21.78 CLP-145.56

PLANETOCENTRIC CONIC

C3 15.017 VHL 3.875 DLA -30.81 RAL 147.95 RAD 6567.6 VEL 11.679 PTH 2.05 VHP 4.615 DPA 31.75 RAP 166.38 ECC 1.2471
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.31 7 13 27 1152.22 22.96 344.79 12.69 111.14 7 32 39 552.2 25.62 336.93
 102.69 10 36 13 5788.09 22.97 274.60 12.69 111.13 12 12 41 5188.1 25.63 266.73
 77.31 7 13 27 1152.22 22.96 344.79 12.69 111.14 7 32 39 552.2 25.62 336.93
 102.69 10 36 13 5788.09 22.97 274.60 12.69 111.13 12 12 41 5188.1 25.63 266.73
 110.00 9 30 27 706.34 13.92 307.60 7.98 121.54 9 42 14 106.3 17.99 300.85
 110.00 13 18 23 5281.96 32.66 239.18 15.81 100.69 14 46 25 4682.0 33.79 230.12

DIFFERENTIAL CORRECTIONS

TDE-1.7746 TRA -.9873 TC3-3.8776 BAU .7811
 RDE .3453 RRA .0308 RC3 .3202 FAU .08521
 FDE-2.5601 FRA -.3573 FC3-4.9123 BSP 13484
 BDE 1.8079 BRA .9878 BC3 3.8908 FSP -1494

MID-COURSE EXECUTION ACCURACY

SGT 4336.5 SGR 570.2 SG3 466.9
 RRT -.8799 RRF -.9445 RTF .9567
 SGB 4373.8 R23 .2093 R13 -.9582
 SG1 4365.5 SG2 269.1 THA 173.38

ORBIT DETERMINATION ACCURACY

ST 2674.4 SR 510.9 SS 1511.8
 CRT -.9869 CRS .9997 CST -.9898
 LSA 3108.0 MSA 198.7 SSA 7.2
 EL1 2721.6 EL2 80.9 ALF 169.31

LAUNCH DATE JUN 27 1967

FLIGHT TIME 156.00

ARRIVAL DATE NOV 30 1967

HELIOCENTRIC CONIC

DISTANCE 446.522

RL 152.07 LAL .00 LOL 274.68 VL 26.653 GAL -1.88 AZL 95.14 HCA 209.02 SMA 128.22 ECC .18878 INC 5.1435 V1 29.296
 RP 107.48 LAP 2.49 LOP 123.60 VP 37.875 GAP 5.66 AZP 85.50 TAL 188.14 TAP 37.16 RCA 104.02 APO 152.43 V2 35.257
 RC 125.861 GL -39.27 GP 17.90 ZAL 104.46 ZAP 143.32 ETS 26.35 ZAE 131.62 ETE 163.02 ZAC 103.15 ETC 20.56 CLP-147.43

PLANETOCENTRIC CONIC

C3 14.236 VHL 3.773 DLA -30.36 RAL 150.47 RAD 6567.6 VEL 11.646 PTH 2.04 VHP 4.696 DPA 28.90 RAP 166.55 ECC 1.2343
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.56 7 32 36 1111.41 22.92 341.72 14.24 110.48 7 51 7 511.4 25.50 333.83
 101.44 10 37 7 5805.15 22.93 275.86 14.25 110.46 12 13 52 5205.1 25.51 267.97
 78.56 7 32 36 1111.41 22.92 341.72 14.24 110.48 7 51 7 511.4 25.50 333.83
 101.44 10 37 7 5805.15 22.93 275.86 14.25 110.46 12 13 52 5205.1 25.51 267.97
 110.00 9 33 12 718.46 13.49 308.27 9.39 121.71 9 45 11 118.5 17.59 301.56
 110.00 13 35 41 5246.10 33.08 236.46 17.28 99.14 15 3 7 4646.1 33.99 227.34

DIFFERENTIAL CORRECTIONS

TDE-1.7721 TRA -.8957 TC3-4.2264 BAU .8057
 RDE .3018 RRA .0200 RC3 .2380 FAU .08202
 FDE-2.3983 FRA -.2063 FC3-4.9879 BSP 13853
 BDE 1.7976 BRA .8959 BC3 4.2331 FSP -1452

MID-COURSE EXECUTION ACCURACY

SGT 4460.7 SGR 493.5 SG3 453.6
 RRT -.8456 RRF -.9101 RTF .9555
 SGB 4488.0 R23 .1860 R13 -.9566
 SG1 4480.3 SG2 262.3 THA 174.64

ORBIT DETERMINATION ACCURACY

ST 2733.9 SR 458.5 SS 1479.1
 CRT -.9884 CRS .9998 CST -.9896
 LSA 3136.0 MSA 194.7 SSA 8.3
 EL1 2771.3 EL2 68.8 ALF 170.58

LAUNCH DATE JUN 27 1967

FLIGHT TIME 158.00

ARRIVAL DATE DEC 2 1967

HELIOCENTRIC CONIC

DISTANCE 452.557

RL 152.07 LAL .00 LOL 274.68 VL 26.615 GAL -1.63 AZL 94.91 HCA 212.26 SMA 127.97 ECC .19038 INC 4.9105 V1 29.296
 RP 107.48 LAP 2.62 LOP 126.85 VP 37.849 GAP 5.99 AZP 85.84 TAL 186.94 TAP 39.21 RCA 103.61 APO 152.33 V2 35.258
 RC 128.066 GL -38.06 GP 15.85 ZAL 102.85 ZAP 145.74 ETS 25.18 ZAE 131.55 ETE 165.26 ZAC 102.52 ETC 19.49 CLP-149.22

PLANETOCENTRIC CONIC

C3 13.644 VHL 3.694 DLA -30.13 RAL 153.04 RAD 6567.5 VEL 11.620 PTH 2.04 VHP 4.797 DPA 26.46 RAP 167.06 ECC 1.2246
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.25 7 48 3 1085.60 22.97 339.81 16.10 110.05 8 6 8 485.6 25.49 331.90
 100.75 10 42 12 5812.31 22.98 276.41 16.11 110.04 12 19 4 5212.3 25.50 268.50
 79.25 7 48 3 1085.60 22.97 339.81 16.10 110.05 8 6 8 485.6 25.49 331.90
 100.75 10 42 12 5812.31 22.98 276.41 16.11 110.04 12 19 4 5212.3 25.50 268.50
 110.00 9 39 52 721.06 13.40 308.42 11.22 121.75 9 51 54 121.1 17.50 301.71
 110.00 13 49 32 5224.85 33.30 234.84 19.05 98.20 15 16 37 4624.9 34.08 225.69

DIFFERENTIAL CORRECTIONS

TDE-1.7837 TRA -.8008 TC3-4.5469 BAU .8300
 RDE .2718 RRA .0142 RC3 .1647 FAU .07839
 FDE-2.2534 FRA -.0684 FC3-4.9737 BSP 14236
 BDE 1.8043 BRA .8010 BC3 4.5499 FSP -1405

MID-COURSE EXECUTION ACCURACY

SGT 4582.7 SGR 439.5 SG3 438.3
 RRT -.8002 RRF -.8629 RTF .9545
 SGB 4603.7 R23 .1610 R13 -.9552
 SG1 4596.2 SG2 262.8 THA 175.60

ORBIT DETERMINATION ACCURACY

ST 2801.9 SR 421.6 SS 1449.6
 CRT -.9903 CRS .9997 CST -.9897
 LSA 3177.0 MSA 190.3 SSA 9.4
 EL1 2832.9 EL2 57.8 ALF 171.52

LAUNCH DATE JUN 27 1967

FLIGHT TIME 160.00

ARRIVAL DATE DEC 4 1967

HELIOCENTRIC CONIC

DISTANCE 458.574

RL 152.07 LAL .00 LOL 274.68 VL 26.576 GAL -1.36 AZL 94.72 HCA 215.51 SMA 127.72 ECC .19210 INC 4.7159 V1 29.296
 RP 107.48 LAP 2.74 LOP 130.10 VP 37.822 GAP 6.31 AZP 86.16 TAL 185.72 TAP 41.23 RCA 103.18 APO 152.25 V2 35.259
 RC 130.261 GL -36.97 GP 14.17 ZAL 101.04 ZAP 147.93 ETS 24.20 ZAE 131.36 ETE 167.11 ZAC 101.63 ETC 18.55 CLP-150.92

PLANETOCENTRIC CONIC

C3 13.195 VHL 3.632 DLA -30.06 RAL 155.69 RAD 6567.5 VEL 11.601 PTH 2.03 VHP 4.913 DPA 24.32 RAP 167.82 ECC 1.2172
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.46 8 0 10 1073.38 23.09 338.95 18.23 109.80 8 18 3 473.4 25.58 331.02
 100.54 10 51 13 5809.96 23.10 276.28 18.23 109.79 12 28 3 5210.0 25.59 268.35
 79.46 8 0 10 1073.38 23.09 338.95 18.23 109.80 8 18 3 473.4 25.58 331.02
 100.54 10 51 13 5809.96 23.10 276.28 18.23 109.79 12 28 3 5210.0 25.59 268.35
 110.00 9 49 26 717.12 13.54 308.20 13.38 121.69 10 1 24 117.1 17.63 301.48
 110.00 14 1 7 5214.22 33.40 234.03 21.09 97.73 15 28 1 4614.2 34.11 224.86

DIFFERENTIAL CORRECTIONS

TDE-1.8028 TRA -.6988 TC3-4.8293 BAU .8521
 RDE .2506 RRA .0116 RC3 .0993 FAU .07434
 FDE-2.1188 FRA .0603 FC3-4.8773 BSP 14571
 BDE 1.8201 BRA .6989 BC3 4.8304 FSP -1348

MID-COURSE EXECUTION ACCURACY

SGT 4692.3 SGR 402.4 SG3 420.9
 RRT -.7437 RRF -.8031 RTF .9534
 SGB 4709.5 R23 .1372 R13 -.9539
 SG1 4701.8 SG2 268.4 THA 176.34

ORBIT DETERMINATION ACCURACY

ST 2871.1 SR 395.3 SS 1419.3
 CRT -.9926 CRS .9993 CST -.9897
 LSA 3221.7 MSA 185.6 SSA 10.5
 EL1 2897.8 EL2 47.5 ALF 172.22

LAUNCH DATE JUN 27 1967

FLIGHT TIME 162.00

ARRIVAL DATE DEC 6 1967

HELIOCENTRIC CONIC

DISTANCE 464.573

RL 152.07 LAL .00 LOL 274.68 VL 26.537 GAL -1.07 AZL 94.55 HCA 218.75 SMA 127.46 ECC .19396 INC 4.5500 V1 29.296
 RP 107.48 LAP 2.85 LOP 133.35 VP 37.795 GAP 6.64 AZP 86.45 TAL 184.48 TAP 43.23 RCA 102.74 APO 152.18 V2 35.259
 RC 132.447 GL -35.94 GP 12.78 ZAL 99.06 ZAP 149.93 ETS 23.39 ZAE 131.10 ETE 168.64 ZAC 100.55 ETC 17.71 CLP-152.54

PLANETOCENTRIC CONIC

C3 12.859 VHL 3.586 DLA -30.12 RAL 158.43 RAD 6567.5 VEL 11.586 PTH 2.03 VHP 5.039 DPA 22.40 RAP 168.80 ECC 1.2116
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.27 8 9 41 1072.34 23.26 338.94 20.60 109.70 8 27 33 472.3 25.73 330.99
 100.73 11 3 34 5799.89 23.28 275.60 20.60 109.68 12 40 14 5199.9 25.75 267.65
 79.27 8 9 41 1072.34 23.26 338.94 20.60 109.70 8 27 33 472.3 25.73 330.99
 100.73 11 3 34 5799.89 23.28 275.60 20.60 109.68 12 40 14 5199.9 25.75 267.65
 110.00 10 1 17 708.53 13.84 307.72 15.84 121.57 10 13 6 108.5 17.92 300.98
 110.00 14 11 8 5211.70 33.42 233.84 23.40 97.62 15 38 0 4611.7 34.12 224.66

DIFFERENTIAL CORRECTIONS

TDE-1.8307 TRA -.5917 TC3-5.0823 BAU .8737
 RDE .2363 RRA .0116 RC3 .0427 FAU .07026
 FDE-1.9986 FRA .1759 FC3-4.7302 BSP 14925
 BDE 1.8459 BRA .5918 BC3 5.0825 FSP -1295

MID-COURSE EXECUTION ACCURACY

SGT 4799.6 SGR 379.4 SG3 403.5
 RRT -.6807 RRF -.7352 RTF .9525
 SGB 4814.6 R23 .1156 R13 -.9529
 SG1 4806.6 SG2 277.5 THA 176.91

ORBIT DETERMINATION ACCURACY

ST 2945.4 SR 377.6 SS 1391.5
 CRT -.9949 CRS .9984 CST -.9899
 LSA 3274.4 MSA 180.5 SSA 11.6
 EL1 2969.2 EL2 37.7 ALF 172.73

LAUNCH DATE JUN 27 1967

FLIGHT TIME 164.00

ARRIVAL DATE DEC 8 1967

HELIOCENTRIC CONIC

DISTANCE 470.554

RL 152.07 LAL .00 LOL 274.68 VL 26.497 GAL -.78 AZL 94.41 HCA 222.00 SMA 127.20 ECC .19596 INC 4.4060 V1 29.296
 RP 107.48 LAP 2.95 LOP 136.60 VP 37.766 GAP 6.97 AZP 86.72 TAL 183.21 TAP 45.21 RCA 102.28 APO 152.13 V2 35.258
 RC 134.624 GL -34.95 GP 11.61 ZAL 96.92 ZAP 151.77 ETS 22.73 ZAE 130.81 ETE 169.91 ZAC 99.30 ETC 16.96 CLP-154.09

PLANETOCENTRIC CONIC

C3 12.621 VHL 3.553 DLA -30.28 RAL 161.27 RAD 6567.5 VEL 11.576 PTH 2.02 VHP 5.173 DPA 20.66 RAP 169.93 ECC 1.2077
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.80 8 17 30 1079.49 23.47 339.55 23.20 109.70 8 35 29 479.5 25.94 331.59
 101.20 11 18 24 5784.73 23.48 274.55 23.21 109.68 12 54 48 5184.7 25.95 266.59
 78.80 8 17 30 1079.49 23.47 339.55 23.20 109.70 8 35 29 479.5 25.94 331.59
 101.20 11 18 24 5784.73 23.48 274.55 23.21 109.68 12 54 48 5184.7 25.95 266.59
 110.00 10 14 59 696.61 14.27 307.06 18.56 121.40 10 26 36 96.6 18.32 300.29
 110.00 14 20 5 5215.61 33.39 234.13 25.96 97.79 15 47 0 4615.6 34.11 224.97

DIFFERENTIAL CORRECTIONS

TDE-1.8676 TRA -.4781 TC3-5.3063 BAU .8953
 RDE .2274 RRA .0132 RC3 -.0048 FAU .06635
 FDE-1.8955 FRA .2806 FC3-4.5514 BSP 15284
 BDE 1.8814 BRA .4783 BC3 5.3063 FSP -1243

MID-COURSE EXECUTION ACCURACY

SGT 4907.6 SGR 367.7 SG3 387.1
 RRT -.6174 RRF -.6662 RTF .9519
 SGB 4921.4 R23 .0971 R13 -.9522
 SG1 4912.9 SG2 288.9 THA 177.34

ORBIT DETERMINATION ACCURACY

ST 3026.0 SR 366.9 SS 1368.9
 CRT -.9969 CRS .9969 CST -.9902
 LSA 3336.8 MSA 175.3 SSA 12.7
 EL1 3048.1 EL2 28.5 ALF 173.11

LAUNCH DATE JUN 27 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 10 1967

HELIOCENTRIC CONIC

DISTANCE 476.514

RL 152.07 LAL .00 LOL 274.68 VL 26.457 GAL -.47 AZL 94.28 HCA 225.25 SMA 126.94 ECC .19811 INC 4.2790 V1 29.296
 RP 107.48 LAP 3.04 LOP 139.85 VP 37.736 GAP 7.30 AZP 86.98 TAL 181.92 TAP 47.16 RCA 101.80 APO 152.09 V2 35.256
 RC 136.791 GL -33.99 GP 10.62 ZAL 94.63 ZAP 153.48 ETS 22.19 ZAE 130.52 ETE 170.98 ZAC 97.91 ETC 16.29 CLP-155.56

PLANETOCENTRIC CONIC

C3 12.471 VHL 3.531 DLA -30.50 RAL 164.21 RAD 6567.5 VEL 11.570 PTH 2.02 VHP 5.315 DPA 19.06 RAP 171.20 ECC 1.2052
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.16 8 24 28 1092.08 23.70 340.58 26.03 109.79 8 42 40 492.1 26.18 332.61
 101.84 11 34 54 5767.03 23.71 273.32 26.03 109.78 13 11 1 5167.0 26.19 265.34
 78.16 8 24 28 1092.08 23.70 340.58 26.03 109.79 8 42 40 492.1 26.18 332.61
 101.84 11 34 54 5767.03 23.71 273.32 26.03 109.78 13 11 1 5167.0 26.19 265.34
 110.00 10 30 14 682.40 14.77 306.26 21.53 121.18 10 41 37 82.4 18.79 299.46
 110.00 14 28 18 5224.70 33.30 234.83 28.75 98.20 15 55 22 4624.7 34.08 225.68

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9071 TRA -.3569 TC3-5.4981 BAU .9167 SGT 5010.5 SGR 363.2 SG3 371.2 ST 3103.0 SR 360.8 SS 1344.3
 RDE .2223 RRA .0159 RC3 -.0438 FAU .06268 RRT -.5583 RRF -.5999 RTF .9517 CRT -.9984 CRS .9947 CST -.9905
 FDE-1.7986 FRA .3755 FC3-4.3516 BSP 15635 SGB 5023.7 R23 .0804 R13 -.9519 LSA 3396.7 MSA 169.7 SSA 13.8
 BDE 1.9201 BRA .3572 BC3 5.4983 FSP -1195 SG1 5014.7 SG2 301.1 THA 177.67 EL1 3123.9 EL2 20.3 ALF 173.38

LAUNCH DATE JUN 27 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 12 1967

HELIOCENTRIC CONIC

DISTANCE 482.454

RL 152.07 LAL .00 LOL 274.68 VL 26.416 GAL -.15 AZL 94.17 HCA 228.49 SMA 126.68 ECC .20042 INC 4.1655 V1 29.296
 RP 107.49 LAP 3.12 LOP 143.10 VP 37.706 GAP 7.63 AZP 87.24 TAL 180.61 TAP 49.10 RCA 101.30 APO 152.07 V2 35.254
 RC 138.949 GL -33.01 GP 9.77 ZAL 92.23 ZAP 155.09 ETS 21.77 ZAE 130.23 ETE 171.88 ZAC 96.40 ETC 15.69 CLP-156.97

PLANETOCENTRIC CONIC

C3 12.403 VHL 3.522 DLA -30.77 RAL 167.25 RAD 6567.5 VEL 11.567 PTH 2.02 VHP 5.464 DPA 17.55 RAP 172.58 ECC 1.2041
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.42 8 31 12 1107.98 23.92 341.87 29.07 109.96 8 49 40 508.0 26.42 333.88
 102.58 11 52 25 5748.81 23.94 272.04 29.07 109.94 13 28 14 5148.8 26.43 264.06
 77.42 8 31 12 1107.98 23.92 341.87 29.07 109.96 8 49 40 508.0 26.42 333.88
 102.58 11 52 25 5748.81 23.94 272.04 29.07 109.94 13 28 14 5148.8 26.43 264.06
 110.00 10 46 45 666.84 15.32 305.39 24.73 120.94 10 57 51 66.8 19.30 298.54
 110.00 14 36 3 5237.95 33.17 235.84 31.76 98.78 16 3 21 4637.9 34.03 226.71

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9600 TRA -.2299 TC3-5.6539 BAU .9376 SGT 5120.2 SGR 365.5 SG3 356.8 ST 3193.6 SR 359.9 SS 1330.3
 RDE .2211 RRA .0192 RC3 -.0760 FAU .05905 RRT -.5075 RRF -.5444 RTF .9517 CRT -.9991 CRS .9918 CST -.9910
 FDE-1.7238 FRA .4609 FC3-4.1218 BSP 16111 SGB 5133.2 R23 .0692 R13 -.9519 LSA 3474.3 MSA 164.4 SSA 14.8
 BDE 1.9724 BRA .2307 BC3 5.6544 FSP -1167 SG1 5123.6 SG2 314.8 THA 177.92 EL1 3213.8 EL2 15.5 ALF 173.58

LAUNCH DATE JUN 27 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 14 1967

HELIOCENTRIC CONIC

DISTANCE 488.374

RL 152.07 LAL .00 LOL 274.68 VL 26.376 GAL .18 AZL 94.06 HCA 231.74 SMA 126.43 ECC .20289 INC 4.0629 V1 29.296
 RP 107.50 LAP 3.19 LOP 146.35 VP 37.674 GAP 7.96 AZP 87.48 TAL 179.28 TAP 51.02 RCA 100.77 APO 152.08 V2 35.251
 RC 141.095 GL -32.03 GP 9.04 ZAL 89.72 ZAP 156.60 ETS 21.46 ZAE 129.94 ETE 172.65 ZAC 94.80 ETC 15.15 CLP-158.32

PLANETOCENTRIC CONIC

C3 12.416 VHL 3.524 DLA -31.07 RAL 170.39 RAD 6567.5 VEL 11.567 PTH 2.02 VHP 5.618 DPA 16.13 RAP 174.06 ECC 1.2043
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.65 8 38 15 1125.56 24.14 343.27 32.31 110.18 8 57 0 525.6 26.67 335.29
 103.35 12 10 26 5731.69 24.15 270.84 32.32 110.16 13 45 58 5131.7 26.68 262.85
 76.65 8 38 15 1125.56 24.14 343.27 32.31 110.18 8 57 0 525.6 26.67 335.29
 103.35 12 10 26 5731.69 24.15 270.84 32.32 110.16 13 45 58 5131.7 26.68 262.85
 110.00 11 4 16 650.69 15.88 304.48 28.14 120.68 11 15 7 50.7 19.83 297.58
 110.00 14 43 35 5254.55 32.99 237.10 34.98 99.51 16 11 10 4654.6 33.95 228.00

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-1.9972 TRA -.0832 TC3-5.7319 BAU .9516 SGT 5185.4 SGR 369.0 SG3 339.0 ST 3250.1 SR 359.5 SS 1294.8
 RDE .2210 RRA .0220 RC3 -.1039 FAU .05492 RRT -.4586 RRF -.4902 RTF .9502 CRT -.9989 CRS .9876 CST -.9911
 FDE-1.6281 FRA .5534 FC3-3.8292 BSP 16210 SGB 5198.5 R23 .0593 R13 -.9503 LSA 3513.2 MSA 160.4 SSA 15.8
 BDE 2.0094 BRA .0861 BC3 5.7328 FSP -1091 SG1 5188.2 SG2 327.7 THA 178.12 EL1 3269.9 EL2 17.1 ALF 173.70

LAUNCH DATE JUN 27 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 16 1967

HELIOCENTRIC CONIC

DISTANCE 494.272

RL 152.07 LAL .00 LOL 274.68 VL 26.335 GAL .53 AZL 93.97 HCA 234.99 SMA 126.17 ECC .20554 INC 3.9692 V1 29.296
 RP 107.51 LAP 3.25 LOP 149.60 VP 37.642 GAP 8.30 AZP 87.72 TAL 177.94 TAP 52.92 RCA 100.23 APO 152.10 V2 35.247
 RC 143.232 GL -31.02 GP 8.41 ZAL 87.11 ZAP 158.02 ETS 21.26 ZAE 129.68 ETE 173.30 ZAC 93.10 ETC 14.66 CLP-159.62

PLANETOCENTRIC CONIC

C3 12.512 VHL 3.537 DLA -31.37 RAL 173.62 RAD 6567.5 VEL 11.571 PTH 2.02 VHP 5.779 DPA 14.76 RAP 175.62 ECC 1.2059
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.90 8 45 52 1143.76 24.32 344.72 35.75 110.44 9 4 56 543.8 26.88 336.73
 104.10 12 28 35 5716.74 24.34 269.79 35.75 110.43 14 3 52 5116.7 26.89 261.80
 75.90 8 45 52 1143.76 24.32 344.72 35.75 110.44 9 4 56 543.8 26.88 336.73
 104.10 12 28 35 5716.74 24.34 269.79 35.75 110.43 14 3 52 5116.7 26.89 261.80
 110.00 11 22 31 634.88 16.43 303.58 31.75 120.41 11 33 6 34.9 20.34 296.64
 110.00 14 51 7 5273.63 32.77 238.55 38.39 100.34 16 19 0 4673.6 33.84 229.48

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.0412 TRA .0647 TC3-5.7963 BAU .9698 SGT 5268.9 SGR 375.5 SG3 324.1 ST 3308.9 SR 362.5 SS 1263.9
 RDE .2236 RRA .0255 RC3 -.1224 FAU .05160 RRT -.4228 RRF -.4479 RTF .9505 CRT -.9977 CRS .9829 CST -.9915
 FDE-1.5464 FRA .6273 FC3-3.5707 BSP 16505 SGB 5282.3 R23 .0490 R13 -.9506 LSA 3557.1 MSA 155.7 SSA 16.7
 BDE 2.0534 BRA .0696 BC3 5.7976 FSP -1047 SG1 5271.3 SG2 340.2 THA 178.27 EL1 3328.6 EL2 24.4 ALF 173.76

LAUNCH DATE JUN 27 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 18 1967

HELIOCENTRIC CONIC

DISTANCE 500.147

RL 152.07 LAL .00 LOL 274.68 VL 26.293 GAL .90 AZL 93.88 HCA 238.23 SMA 125.91 ECC .20838 INC 3.8826 V1 29.296
 RP 107.53 LAP 3.30 LOP 152.85 VP 37.609 GAP 8.65 AZP 87.95 TAL 176.58 TAP 54.81 RCA 99.67 APO 152.14 V2 35.243
 RC 145.356 GL -29.98 GP 7.85 ZAL 84.43 ZAP 159.38 ETS 21.16 ZAE 129.43 ETE 173.86 ZAC 91.33 ETC 14.22 CLP-160.87

PLANETOCENTRIC CONIC

C3 12.692 VHL 3.563 DLA -31.66 RAL 176.93 RAD 6567.5 VEL 11.579 PTH 2.02 VHP 5.946 DPA 13.45 RAP 177.24 ECC 1.2089
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.21 8 54 16 1161.86 24.47 346.15 39.36 110.75 9 13 38 561.9 27.07 338.16
 104.79 12 46 34 5704.76 24.48 268.94 39.36 110.73 14 21 39 5104.8 27.07 260.95
 75.21 8 54 16 1161.86 24.47 346.15 39.36 110.75 9 13 38 561.9 27.07 338.16
 104.79 12 46 34 5704.76 24.48 268.94 39.36 110.73 14 21 39 5104.8 27.07 260.95
 110.00 11 41 11 620.26 16.93 302.74 35.53 120.15 11 51 31 20.3 20.81 295.76
 110.00 14 58 51 5294.35 32.50 240.11 41.98 101.22 16 27 5 4694.4 33.71 231.08

DIFFERENTIAL CORRECTIONS

TDE-2.0881 TRA .2233 TC3-5.8155 BAU .9870
 RDE .2285 RRA .0285 RC3 -.1352 FAU .04840
 FDE-1.4727 FRA .6991 FC3-3.3015 BSP 16778
 BOE 2.1006 BRA .2251 BC3 5.8170 FSP -1003

MID-COURSE EXECUTION ACCURACY

SGT 5350.2 SGR 383.7 SG3 310.2
 RRT -.3956 RRF -.4157 RTF .9506
 SGB 5364.0 R23 .0413 R13 -.9507
 SG1 5352.4 SG2 352.3 THA 178.37

ORBIT DETERMINATION ACCURACY

ST 3362.9 SR 367.9 SS 1234.3
 CRT -.9957 CRS .9774 CST -.9918
 LSA 3597.9 MSA 152.3 SSA 17.6
 EL1 3382.8 EL2 34.0 ALF 173.78

LAUNCH DATE JUN 27 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 20 1967

HELIOCENTRIC CONIC

DISTANCE 505.996

RL 152.07 LAL .00 LOL 274.68 VL 26.252 GAL 1.28 AZL 93.80 HCA 241.47 SMA 125.65 ECC .21143 INC 3.8019 V1 29.296
 RP 107.54 LAP 3.34 LOP 156.10 VP 37.575 GAP 9.00 AZP 88.18 TAL 175.21 TAP 56.68 RCA 99.08 APO 152.21 V2 35.237
 RC 147.469 GL -28.91 GP 7.37 ZAL 81.69 ZAP 160.67 ETS 21.16 ZAE 129.19 ETE 174.34 ZAC 89.50 ETC 13.82 CLP-162.08

PLANETOCENTRIC CONIC

C3 12.961 VHL 3.600 DLA -31.93 RAL 180.30 RAD 6567.5 VEL 11.591 PTH 2.03 VHP 6.120 DPA 12.17 RAP 178.92 ECC 1.2133
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.60 9 3 34 1179.38 24.55 347.52 43.13 111.08 9 23 13 579.4 27.19 339.54
 105.40 13 4 11 5696.26 24.56 268.33 43.13 111.06 14 39 7 5096.3 27.20 260.35
 74.60 9 3 34 1179.38 24.55 347.52 43.13 111.08 9 23 13 579.4 27.19 339.54
 105.40 13 4 11 5696.26 24.56 268.33 43.13 111.06 14 39 7 5096.3 27.20 260.35
 110.00 11 59 54 607.79 17.35 302.02 39.46 119.92 12 10 2 7.8 21.20 295.01
 110.00 15 7 1 5315.85 32.21 241.71 45.72 102.13 16 35 37 4715.8 33.54 232.74

DIFFERENTIAL CORRECTIONS

TDE-2.1360 TRA .3910 TC3-5.7875 BAU 1.0032
 RDE .2354 RRA .0313 RC3 -.1427 FAU .04532
 FDE-1.4053 FRA .7644 FC3-3.0268 BSP 17047
 BOE 2.1490 BRA .3923 BC3 5.7892 FSP -962

MID-COURSE EXECUTION ACCURACY

SGT 5427.6 SGR 392.9 SG3 296.9
 RRT -.3763 RRF -.3925 RTF .9510
 SGB 5441.8 R23 .0357 R13 -.9511
 SG1 5429.7 SG2 363.9 THA 178.43

ORBIT DETERMINATION ACCURACY

ST 3408.8 SR 375.1 SS 1204.6
 CRT -.9928 CRS .9714 CST -.9921
 LSA 3631.7 MSA 149.5 SSA 18.3
 EL1 3429.1 EL2 44.7 ALF 173.77

LAUNCH DATE JUN 27 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 22 1967

HELIOCENTRIC CONIC

DISTANCE 511.821

RL 152.07 LAL .00 LOL 274.68 VL 26.211 GAL 1.68 AZL 93.73 HCA 244.72 SMA 125.39 ECC .21470 INC 3.7261 V1 29.296
 RP 107.56 LAP 3.37 LOP 159.35 VP 37.541 GAP 9.35 AZP 88.41 TAL 173.83 TAP 58.55 RCA 98.47 APO 152.31 V2 35.231
 RC 149.570 GL -27.80 GP 6.94 ZAL 78.91 ZAP 161.90 ETS 21.28 ZAE 128.98 ETE 174.75 ZAC 87.61 ETC 13.46 CLP-163.25

PLANETOCENTRIC CONIC

C3 13.327 VHL 3.651 DLA -32.15 RAL 183.72 RAD 6567.5 VEL 11.607 PTH 2.03 VHP 6.300 DPA 10.93 RAP 180.66 ECC 1.2193
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.09 9 13 47 1196.07 24.57 348.79 47.04 111.42 9 33 43 596.1 27.26 340.83
 105.91 13 21 15 5691.59 24.58 267.98 47.04 111.41 14 56 6 5091.6 27.27 260.02
 74.09 9 13 47 1196.07 24.57 348.79 47.04 111.42 9 33 43 596.1 27.26 340.83
 105.91 13 21 15 5691.59 24.58 267.98 47.04 111.41 14 56 6 5091.6 27.27 260.02
 110.00 12 18 21 5886.49 17.67 279.39 43.50 119.75 13 56 27 5286.5 21.49 272.35
 110.00 15 15 51 5337.20 31.89 243.30 49.61 103.02 16 44 49 4737.2 33.35 234.37

DIFFERENTIAL CORRECTIONS

TDE-2.1788 TRA .5721 TC3-5.7042 BAU 1.0166
 RDE .2438 RRA .0332 RC3 -.1460 FAU .04222
 FDE-1.3371 FRA .8288 FC3-2.7428 BSP 17258
 BOE 2.1924 BRA .5731 BC3 5.7061 FSP -921

MID-COURSE EXECUTION ACCURACY

SGT 5492.1 SGR 402.0 SG3 283.6
 RRT -.3620 RRF -.3751 RTF .9511
 SGB 5506.8 R23 .0312 R13 -.9511
 SG1 5494.1 SG2 374.6 THA 178.47

ORBIT DETERMINATION ACCURACY

ST 3436.6 SR 383.1 SS 1169.9
 CRT -.9891 CRS .9646 CST -.9924
 LSA 3647.4 MSA 148.4 SSA 18.8
 EL1 3457.5 EL2 56.1 ALF 173.71

LAUNCH DATE JUN 27 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 24 1967

HELIOCENTRIC CONIC

DISTANCE 517.616

RL 152.07 LAL .00 LOL 274.68 VL 26.170 GAL 2.10 AZL 93.65 HCA 247.96 SMA 125.14 ECC .21820 INC 3.6542 V1 29.296
 RP 107.58 LAP 3.39 LOP 162.60 VP 37.506 GAP 9.72 AZP 88.63 TAL 172.44 TAP 60.40 RCA 97.83 APO 152.44 V2 35.225
 RC 151.657 GL -26.66 GP 6.56 ZAL 76.11 ZAP 163.09 ETS 21.51 ZAE 128.77 ETE 175.11 ZAC 85.66 ETC 13.14 CLP-164.38

PLANETOCENTRIC CONIC

C3 13.796 VHL 3.714 DLA -32.33 RAL 187.17 RAD 6567.5 VEL 11.627 PTH 2.04 VHP 6.487 DPA 9.72 RAP 182.44 ECC 1.2270
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.70 9 24 56 1211.71 24.51 349.96 51.07 111.77 9 45 8 611.7 27.25 342.02
 106.30 13 37 35 5691.03 24.52 267.91 51.07 111.76 15 12 26 5091.0 27.26 259.97
 73.70 9 24 56 1211.71 24.51 349.96 51.07 111.77 9 45 8 611.7 27.25 342.02
 106.30 13 37 35 5691.03 24.52 267.91 51.07 111.76 15 12 26 5091.0 27.26 259.97
 110.00 12 36 5 5881.34 17.84 279.09 47.62 119.65 14 14 6 5281.3 21.65 272.03
 110.00 15 25 37 5357.44 31.57 244.79 53.63 103.85 16 54 54 4757.4 33.15 235.92

DIFFERENTIAL CORRECTIONS

TDE-2.2208 TRA .7618 TC3-5.5856 BAU 1.0306
 RDE .2539 RRA .0346 RC3 -.1446 FAU .03938
 FDE-1.2729 FRA .8880 FC3-2.4715 BSP 17499
 BOE 2.2352 BRA .7626 BC3 5.5875 FSP -884

MID-COURSE EXECUTION ACCURACY

SGT 5557.6 SGR 411.0 SG3 271.2
 RRT -.3538 RRF -.3639 RTF .9514
 SGB 5572.7 R23 .0275 R13 -.9515
 SG1 5559.5 SG2 384.3 THA 178.49

ORBIT DETERMINATION ACCURACY

ST 3453.2 SR 392.2 SS 1134.3
 CRT -.9847 CRS .9573 CST -.9926
 LSA 3652.8 MSA 148.4 SSA 19.1
 EL1 3474.8 EL2 67.9 ALF 173.62

LAUNCH DATE JUN 27 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 26 1967

HELIOCENTRIC CONIC

DISTANCE 523.382

RL 152.07 LAL .00 LOL 274.68 VL 26.129 GAL 2.54 AZL 93.59 MCA 251.20 SMA 124.88 ECC .22196 INC 3.5856 V1 29.296
 RP 107.60 LAP 3.39 LOP 165.85 VP 37.470 GAP 10.09 AZP 88.84 TAL 171.04 TAP 62.24 RCA 97.16 APO 152.60 V2 35.217
 RC 153.730 GL -25.50 GP 6.22 ZAL 73.30 ZAP 164.23 ETS 21.86 ZAE 128.59 ETE 175.42 ZAC 83.68 ETC 12.86 CLP-165.48

PLANETOCENTRIC CONIC

C3 14.378 VHL 3.792 DLA -32.46 RAL 190.62 RAD 6567.6 VEL 11.652 PTH 2.05 VHP 6.683 DPA 8.53 RAP 184.25 ECC 1.2366
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.43 9 36 55 1226.34 24.37 351.02 55.19 112.13 9 57 22 626.3 27.15 343.10
 106.57 13 53 8 5694.61 24.38 268.12 55.19 112.12 15 28 3 5094.6 27.16 260.21
 73.43 9 36 55 1226.34 24.37 351.02 55.19 112.13 9 57 22 626.3 27.15 343.10
 106.57 13 53 8 5694.61 24.38 268.12 55.19 112.12 15 28 3 5094.6 27.16 260.21
 110.00 12 52 43 5881.32 17.84 279.09 51.80 119.65 14 30 45 5281.3 21.65 272.03
 110.00 15 36 31 5375.67 31.26 246.12 57.77 104.58 17 6 6 4775.7 32.95 237.30

DIFFERENTIAL CORRECTIONS

TOE-2.2609 TRA .9620 TC3-5.4286 BAU 1.0439
 RDE .2656 RRA .0350 RC3 -.1397 FAU .03673
 FDE-1.2130 FRA .9433 FC3-2.2114 BSP 17739
 BDE 2.2765 BRA .9626 BC3 5.4304 FSP -850

MID-COURSE EXECUTION ACCURACY

SGT 5620.3 SGR 419.8 SG3 259.6
 RRT -.3505 RRF -.3584 RTF .9521
 SGB 5635.9 R23 .0246 R13 -.9521
 SG1 5622.2 SG2 393.0 THA 178.49

ORBIT DETERMINATION ACCURACY

ST 3457.3 SR 401.8 SS 1098.4
 CRT -.9797 CRS .9497 CST -.9928
 LSA 3646.7 MSA 149.7 SSA 19.3
 EL1 3479.7 EL2 80.0 ALF 173.50

LAUNCH DATE JUN 27 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 28 1967

HELIOCENTRIC CONIC

DISTANCE 529.115

RL 152.07 LAL .00 LOL 274.68 VL 26.087 GAL 2.99 AZL 93.52 MCA 254.44 SMA 124.63 ECC .22600 INC 3.5196 V1 29.296
 RP 107.63 LAP 3.39 LOP 169.09 VP 37.434 GAP 10.48 AZP 89.05 TAL 169.63 TAP 64.07 RCA 96.46 APO 152.80 V2 35.210
 RC 155.789 GL -24.32 GP 5.91 ZAL 70.51 ZAP 165.33 ETS 22.35 ZAE 128.42 ETE 175.68 ZAC 81.65 ETC 12.61 CLP-166.55

PLANETOCENTRIC CONIC

C3 15.086 VHL 3.884 DLA -32.52 RAL 194.05 RAD 6567.6 VEL 11.682 PTH 2.05 VHP 6.887 DPA 7.36 RAP 186.11 ECC 1.2483
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.30 9 49 44 1239.80 24.14 351.94 59.38 112.49 10 10 24 639.8 26.97 344.06
 106.70 14 7 44 5702.54 24.15 268.63 59.39 112.47 15 42 46 5102.5 26.98 260.75
 73.30 9 49 44 1239.80 24.14 351.94 59.38 112.49 10 10 24 639.8 26.97 344.06
 106.70 14 7 44 5702.54 24.15 268.63 59.39 112.47 15 42 46 5102.5 26.98 260.75
 110.00 13 7 56 5887.23 17.64 279.43 55.98 119.76 14 46 4 5287.2 21.47 272.39
 110.00 15 48 42 5391.14 30.99 247.25 62.02 105.20 17 18 34 4791.1 32.77 238.47

DIFFERENTIAL CORRECTIONS

TOE-2.2956 TRA 1.1750 TC3-5.2312 BAU 1.0554
 RDE .2786 RRA .0344 RC3 -.1321 FAU .03413
 FDE-1.1533 FRA .9974 FC3-1.9586 BSP 17944
 BDE 2.3125 BRA 1.1755 BC3 5.2329 FSP -816

MID-COURSE EXECUTION ACCURACY

SGT 5675.1 SGR 427.9 SG3 248.2
 RRT -.3504 RRF -.3563 RTF .9526
 SGB 5691.2 R23 .0222 R13 -.9526
 SG1 5677.1 SG2 400.6 THA 178.48

ORBIT DETERMINATION ACCURACY

ST 3444.3 SR 411.4 SS 1059.5
 CRT -.9741 CRS .9414 CST -.9930
 LSA 3623.7 MSA 152.7 SSA 19.2
 EL1 3467.5 EL2 92.4 ALF 173.36

LAUNCH DATE JUN 27 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 30 1967

HELIOCENTRIC CONIC

DISTANCE 534.813

RL 152.07 LAL .00 LOL 274.68 VL 26.046 GAL 3.47 AZL 93.46 MCA 257.68 SMA 124.38 ECC .23034 INC 3.4557 V1 29.296
 RP 107.65 LAP 3.38 LOP 172.33 VP 37.398 GAP 10.88 AZP 89.26 TAL 168.22 TAP 65.89 RCA 95.73 APO 153.03 V2 35.201
 RC 157.834 GL -23.12 GP 5.64 ZAL 67.74 ZAP 166.39 ETS 23.00 ZAE 128.26 ETE 175.92 ZAC 79.59 ETC 12.39 CLP-167.59

PLANETOCENTRIC CONIC

C3 15.931 VHL 3.991 DLA -32.52 RAL 197.45 RAD 6567.6 VEL 11.718 PTH 2.06 VHP 7.101 DPA 6.20 RAP 187.99 ECC 1.2622
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.30 10 3 18 1252.09 23.81 352.74 63.63 112.83 10 24 10 652.1 26.70 344.90
 106.70 14 21 17 5714.84 23.83 269.42 63.63 112.82 15 56 32 5114.8 26.71 261.58
 73.30 10 3 18 1252.09 23.81 352.74 63.63 112.83 10 24 10 652.1 26.70 344.90
 106.70 14 21 17 5714.84 23.83 269.42 63.63 112.82 15 56 32 5114.8 26.71 261.58
 110.00 13 21 30 611.50 17.23 302.24 60.14 119.99 13 31 41 11.5 21.08 295.23
 110.00 16 2 16 5403.44 30.77 248.14 66.36 105.68 17 32 19 4803.4 32.61 239.40

DIFFERENTIAL CORRECTIONS

TOE-2.3232 TRA 1.4027 TC3-4.9951 BAU 1.0642
 RDE .2928 RRA .0326 RC3 -.1227 FAU .03155
 FDE-1.0934 FRA 1.0510 FC3-1.7146 BSP 18071
 BDE 2.3416 BRA 1.4031 BC3 4.9966 FSP -780

MID-COURSE EXECUTION ACCURACY

SGT 5720.6 SGR 435.1 SG3 237.2
 RRT -.3528 RRF -.3567 RTF .9528
 SGB 5737.1 R23 .0201 R13 -.9528
 SG1 5722.6 SG2 407.0 THA 178.45

ORBIT DETERMINATION ACCURACY

ST 3413.2 SR 420.6 SS 1018.0
 CRT -.9677 CRS .9321 CST -.9930
 LSA 3583.0 MSA 157.5 SSA 19.0
 EL1 3437.4 EL2 105.2 ALF 173.19

LAUNCH DATE JUN 27 1967

FLIGHT TIME 188.00

ARRIVAL DATE JAN 1 1968

HELIOCENTRIC CONIC

DISTANCE 540.472

RL 152.07 LAL .00 LOL 274.68 VL 26.006 GAL 3.98 AZL 93.39 MCA 260.91 SMA 124.13 ECC .23501 INC 3.3933 V1 29.296
 RP 107.68 LAP 3.35 LOP 175.58 VP 37.361 GAP 11.29 AZP 89.46 TAL 166.81 TAP 67.72 RCA 94.96 APO 153.31 V2 35.192
 RC 159.863 GL -21.91 GP 5.40 ZAL 65.02 ZAP 167.42 ETS 23.84 ZAE 128.11 ETE 176.12 ZAC 77.51 ETC 12.20 CLP-168.62

PLANETOCENTRIC CONIC

C3 16.931 VHL 4.115 DLA -32.46 RAL 200.79 RAD 6567.7 VEL 11.761 PTH 2.08 VHP 7.325 DPA 5.06 RAP 189.90 ECC 1.2786
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.43 10 17 32 1263.21 23.40 353.40 67.90 113.16 10 38 35 663.2 26.33 345.61
 106.57 14 33 43 5731.56 23.41 270.51 67.90 113.15 16 9 14 5131.6 26.34 262.72
 73.43 10 17 32 1263.21 23.40 353.40 67.90 113.16 10 38 35 663.2 26.33 345.61
 106.57 14 33 43 5731.56 23.41 270.51 67.90 113.15 16 9 14 5131.6 26.34 262.72
 110.00 13 33 17 630.26 16.59 303.31 64.25 120.33 13 43 48 30.3 20.49 296.36
 110.00 16 17 7 5412.51 30.60 248.79 70.77 106.03 17 47 20 4812.5 32.49 240.08

DIFFERENTIAL CORRECTIONS

TOE-2.3495 TRA 1.6400 TC3-4.7411 BAU 1.0734
 RDE .3083 RRA .0298 RC3 -.1115 FAU .02921
 FDE-1.0386 FRA 1.1006 FC3-1.4936 BSP 18262
 BDE 2.3696 BRA 1.6402 BC3 4.7424 FSP -751

MID-COURSE EXECUTION ACCURACY

SGT 5766.3 SGR 441.7 SG3 227.0
 RRT -.3586 RRF -.3609 RTF .9534
 SGB 5783.2 R23 .0185 R13 -.9535
 SG1 5768.5 SG2 412.2 THA 178.42

ORBIT DETERMINATION ACCURACY

ST 3372.8 SR 429.5 SS 978.3
 CRT -.9609 CRS .9227 CST -.9931
 LSA 3534.2 MSA 163.2 SSA 18.6
 EL1 3398.0 EL2 118.1 ALF 173.01

LAUNCH DATE JUN 27 1967

FLIGHT TIME 190.00

ARRIVAL DATE JAN 3 1968

HELIOCENTRIC CONIC

DISTANCE 546.088

RL 152.07 LAL .00 LOL 274.68 VL 25.965 GAL 4.51 AZL 93.33 HCA 264.15 SMA 123.89 ECC .24003 INC 3.3322 V1 29.296
 RP 107.71 LAP 3.31 LOP 178.82 VP 37.323 GAP 11.72 AZP 89.66 TAL 165.39 TAP 69.54 RCA 94.15 APO 153.63 V2 35.183
 RC 161.876 GL -20.71 GP 5.18 ZAL 62.35 ZAP 168.41 ETS 24.90 ZAE 127.96 ETE 176.30 ZAC 75.40 ETC 12.05 CLP-169.62

PLANETOCENTRIC CONIC

C3 18.104 VHL 4.255 OLA -32.33 RAL 204.06 RAD 6567.7 VEL 11.810 PTH 2.09 VHP 7.560 DPA 3.94 RAP 191.84 ECC 1.2979
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.71 10 32 22 1273.08 22.90 353.91 72.18 113.47 10 53 35 673.1 25.87 346.18
 106.29 14 44 55 5752.74 22.91 271.89 72.18 113.46 16 20 47 5152.7 25.88 264.15
 73.71 10 32 22 1273.08 22.90 353.91 72.18 113.47 10 53 35 673.1 25.87 346.18
 106.29 14 44 55 5752.74 22.91 271.89 72.18 113.46 16 20 47 5152.7 25.88 264.15
 110.00 13 43 22 655.11 15.73 304.73 68.29 120.75 13 54 17 55.1 19.69 297.85
 110.00 16 33 5 5418.71 30.48 249.23 75.24 106.27 18 3 23 4818.7 32.41 240.55

DIFFERENTIAL CORRECTIONS

TDE-2.3716 TRA 1.8903 TC3-4.4668 BAU 1.0814
 RDE .3249 RRA .0256 RC3 -.0994 FAU .02698
 FDE -.9861 FRA 1.1488 FC3-1.2901 BSP 18447
 BDE 2.3938 BRA 1.8904 BC3 4.4679 FSP -723

MID-COURSE EXECUTION ACCURACY

SGT 5807.1 SGR 447.5 SG3 217.2
 RRT -.3666 RRF -.3674 RTF .9541
 SGB 5824.3 R23 .0171 R13 -.9541
 SG1 5809.4 SG2 416.2 THA 178.37

ORBIT DETERMINATION ACCURACY

ST 3321.0 SR 437.7 SS 939.0
 CRT -.9534 CRS .9126 CST -.9932
 LSA 3474.6 MSA 169.9 SSA 18.1
 EL1 3347.1 EL2 131.0 ALF 172.83

LAUNCH DATE JUN 27 1967

FLIGHT TIME 192.00

ARRIVAL DATE JAN 5 1968

HELIOCENTRIC CONIC

DISTANCE 551.656

RL 152.07 LAL .00 LOL 274.68 VL 25.924 GAL 5.07 AZL 93.27 HCA 267.38 SMA 123.65 ECC .24544 INC 3.2717 V1 29.296
 RP 107.74 LAP 3.27 LOP 182.05 VP 37.286 GAP 12.17 AZP 89.85 TAL 163.98 TAP 71.35 RCA 93.30 APO 153.99 V2 35.172
 RC 163.875 GL -19.51 GP 4.98 ZAL 59.75 ZAP 169.38 ETS 26.24 ZAE 127.83 ETE 176.45 ZAC 73.27 ETC 11.93 CLP-170.61

PLANETOCENTRIC CONIC

C3 19.471 VHL 4.413 OLA -32.14 RAL 207.23 RAD 6567.8 VEL 11.868 PTH 2.11 VHP 7.809 DPA 2.83 RAP 193.79 ECC 1.3204
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.12 10 47 43 1281.79 22.31 354.30 76.45 113.76 11 9 5 681.8 25.32 346.62
 105.88 14 54 51 5778.29 22.32 273.56 76.45 113.75 16 31 10 5178.3 25.34 265.88
 74.12 10 47 43 1281.79 22.31 354.30 76.45 113.76 11 9 5 681.8 25.32 346.62
 105.88 14 54 51 5778.29 22.32 273.56 76.45 113.75 16 31 10 5178.3 25.34 265.88
 110.00 13 51 53 685.40 14.66 306.43 72.26 121.23 14 3 18 85.4 18.69 299.63
 110.00 16 49 51 5422.67 30.41 249.52 79.75 106.42 18 20 14 4822.7 32.36 240.84

DIFFERENTIAL CORRECTIONS

TDE-2.3887 TRA 2.1553 TC3-4.1762 BAU 1.0873
 RDE .3424 RRA .0200 RC3 -.0871 FAU .02482
 FDE -.9357 FRA 1.1966 FC3-1.1038 BSP 18597
 BDE 2.4132 BRA 2.1554 BC3 4.1771 FSP -695

MID-COURSE EXECUTION ACCURACY

SGT 5841.9 SGR 452.3 SG3 207.9
 RRT -.3763 RRF -.3757 RTF .9548
 SGB 5859.4 R23 .0157 R13 -.9548
 SG1 5844.4 SG2 418.9 THA 178.32

ORBIT DETERMINATION ACCURACY

ST 3258.2 SR 444.7 SS 900.2
 CRT -.9453 CRS .9018 CST -.9932
 LSA 3404.7 MSA 177.8 SSA 17.5
 EL1 3285.3 EL2 143.9 ALF 172.63

LAUNCH DATE JUN 27 1967

FLIGHT TIME 194.00

ARRIVAL DATE JAN 7 1968

HELIOCENTRIC CONIC

DISTANCE 557.171

RL 152.07 LAL .00 LOL 274.68 VL 25.884 GAL 5.65 AZL 93.21 HCA 270.61 SMA 123.41 ECC .25129 INC 3.2116 V1 29.296
 RP 107.78 LAP 3.21 LOP 185.29 VP 37.248 GAP 12.64 AZP 90.03 TAL 162.57 TAP 73.18 RCA 92.40 APO 154.42 V2 35.162
 RC 165.860 GL -18.33 GP 4.80 ZAL 57.23 ZAP 170.32 ETS 27.90 ZAE 127.70 ETE 176.58 ZAC 71.12 ETC 11.84 CLP-171.58

PLANETOCENTRIC CONIC

C3 21.059 VHL 4.589 OLA -31.90 RAL 210.29 RAD 6567.9 VEL 11.935 PTH 2.12 VHP 8.072 DPA 1.74 RAP 195.77 ECC 1.3466
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.66 11 3 34 1289.14 21.63 354.54 80.69 114.04 11 25 3 689.1 24.69 346.91
 105.34 15 3 26 5808.34 21.65 275.53 80.70 114.02 16 40 15 5208.3 24.71 267.90
 74.66 11 3 34 1289.14 21.63 354.54 80.69 114.04 11 25 3 689.1 24.69 346.91
 105.34 15 3 26 5808.34 21.65 275.53 80.70 114.02 16 40 15 5208.3 24.71 267.90
 110.00 13 59 2 720.34 13.42 308.38 76.14 121.74 14 11 2 120.3 17.52 301.67
 110.00 17 7 9 5425.13 30.36 249.69 84.27 106.52 18 37 34 4825.1 32.32 241.03

DIFFERENTIAL CORRECTIONS

TDE-2.3987 TRA 2.4382 TC3-3.8701 BAU 1.0898
 RDE .3607 RRA .0129 RC3 -.0752 FAU .02268
 FDE -.8860 FRA 1.2453 FC3 -.9323 BSP 18659
 BDE 2.4256 BRA 2.4382 BC3 3.8708 FSP -664

MID-COURSE EXECUTION ACCURACY

SGT 5868.8 SGR 456.0 SG3 199.1
 RRT -.3869 RRF -.3848 RTF .9553
 SGB 5886.5 R23 .0144 R13 -.9553
 SG1 5871.5 SG2 420.3 THA 178.27

ORBIT DETERMINATION ACCURACY

ST 3184.0 SR 450.4 SS 861.6
 CRT -.9361 CRS .8896 CST -.9932
 LSA 3323.8 MSA 186.6 SSA 17.0
 EL1 3211.8 EL2 157.1 ALF 172.44

LAUNCH DATE JUN 27 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 9 1968

HELIOCENTRIC CONIC

DISTANCE 562.627

RL 152.07 LAL .00 LOL 274.68 VL 25.844 GAL 6.28 AZL 93.15 HCA 273.84 SMA 123.17 ECC .25760 INC 3.1515 V1 29.296
 RP 107.81 LAP 3.14 LOP 188.52 VP 37.210 GAP 13.13 AZP 90.21 TAL 161.16 TAP 75.00 RCA 91.44 APO 154.90 V2 35.151
 RC 167.829 GL -17.17 GP 4.63 ZAL 54.80 ZAP 171.23 ETS 30.00 ZAE 127.57 ETE 176.70 ZAC 68.96 ETC 11.78 CLP-172.54

PLANETOCENTRIC CONIC

C3 22.898 VHL 4.785 OLA -31.61 RAL 213.23 RAD 6567.9 VEL 12.012 PTH 2.14 VHP 8.351 DPA .66 RAP 197.76 ECC 1.3768
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.33 11 19 56 1294.91 20.89 354.61 84.90 114.28 11 41 31 694.9 23.99 347.05
 104.67 15 10 34 5843.05 20.90 277.80 84.90 114.27 16 47 57 5243.1 24.00 270.24
 75.33 11 19 56 1294.91 20.89 354.61 84.90 114.28 11 41 31 694.9 23.99 347.05
 104.67 15 10 34 5843.05 20.90 277.80 84.90 114.27 16 47 57 5243.1 24.00 270.24
 110.00 14 5 0 759.15 12.02 310.51 79.93 122.24 14 17 39 159.1 16.19 303.89
 110.00 17 24 40 5426.81 30.33 249.81 88.79 106.58 18 55 7 4826.8 32.30 241.15

DIFFERENTIAL CORRECTIONS

TDE-2.4088 TRA 2.7329 TC3-3.5675 BAU 1.0922
 RDE .3798 RRA .0044 RC3 -.0635 FAU .02072
 FDE -.8412 FRA 1.2917 FC3 -.7833 BSP 18797
 BDE 2.4386 BRA 2.7329 BC3 3.5680 FSP -639

MID-COURSE EXECUTION ACCURACY

SGT 5893.9 SGR 458.9 SG3 190.8
 RRT -.3995 RRF -.3961 RTF .9562
 SGB 5911.8 R23 .0132 R13 -.9562
 SG1 5896.8 SG2 420.5 THA 178.21

ORBIT DETERMINATION ACCURACY

ST 3107.7 SR 454.8 SS 826.3
 CRT -.9264 CRS .8774 CST -.9932
 LSA 3241.8 MSA 195.5 SSA 16.4
 EL1 3136.2 EL2 169.7 ALF 172.26

LAUNCH DATE JUN 27 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 11 1968

HELIOCENTRIC CONIC

DISTANCE 568.015

RL 152.07 LAL .00 LOL 274.68 VL 25.805 GAL 6.93 AZL 93.09 HCA 277.06 SMA 122.94 ECC .26444 INC 3.0909 V1 29.296
 RP 107.84 LAP 3.07 LOP 191.75 VP 37.171 GAP 13.65 AZP 90.38 TAL 159.77 TAP 76.83 RCA 90.43 APO 155.44 V2 35.139
 RC 169.783 GL -16.03 GP 4.48 ZAL 52.45 ZAP 172.11 ETS 32.65 ZAE 127.44 ETE 176.80 ZAC 66.80 ETC 11.76 CLP-173.50

PLANETOCENTRIC CONIC

C3 25.023 VHL 5.002 DLA -31.27 RAL 216.05 RAD 6568.0 VEL 12.100 PTH 2.17 VHP 8.647 DPA -.40 RAP 199.77 ECC 1.4118
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.14 11 36 49 1298.91 20.07 354.52 89.05 114.50 11 58 28 698.9 23.21 347.02
 103.86 15 16 9 5882.52 20.08 280.39 89.06 114.49 16 54 12 5282.5 23.22 272.89
 76.14 11 36 49 1298.91 20.07 354.52 89.05 114.50 11 58 28 698.9 23.21 347.02
 103.86 15 16 9 5882.52 20.08 280.39 89.06 114.49 16 54 12 5282.5 23.22 272.89
 110.00 14 10 0 801.10 10.49 312.79 83.64 122.72 14 23 21 201.1 14.73 306.26
 110.00 17 42 9 5428.33 30.30 249.92 93.29 106.64 19 12 37 4828.3 32.28 241.27

DIFFERENTIAL CORRECTIONS

TDE-2.4159 TRA 3.0445 TC3-3.2651 BAU 1.0924
 RDE .3996 RRA -.0057 RC3 -.0526 FAU .01884
 FDE -.7992 FRA 1.3382 FC3 -.6517 BSP 18919
 BDE 2.4487 BRA 3.0445 BC3 3.2656 FSP -616

MID-COURSE EXECUTION ACCURACY

SGT 5913.8 SGR 460.8 SG3 182.9
 RRT -.4131 RRF -.4084 RTF .9571
 SGB 5931.7 R23 .0121 R13 -.9572
 SG1 5916.9 SG2 419.4 THA 178.15

ORBIT DETERMINATION ACCURACY

ST 3027.4 SR 457.7 SS 793.4
 CRT -.9159 CRS .8644 CST -.9933
 LSA 3156.2 MSA 204.6 SSA 15.8
 EL1 3056.4 EL2 181.9 ALF 172.09

LAUNCH DATE JUN 27 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 13 1968

HELIOCENTRIC CONIC

DISTANCE 573.327

RL 152.07 LAL .00 LOL 274.68 VL 25.765 GAL 7.63 AZL 93.03 HCA 280.29 SMA 122.71 ECC .27185 INC 3.0296 V1 29.296
 RP 107.88 LAP 2.98 LOP 194.98 VP 37.133 GAP 14.20 AZP 90.54 TAL 158.39 TAP 78.68 RCA 89.35 APO 156.06 V2 35.128
 RC 171.722 GL -14.92 GP 4.35 ZAL 50.21 ZAP 172.95 ETS 36.04 ZAE 127.30 ETE 176.89 ZAC 64.62 ETC 11.77 CLP-174.45

PLANETOCENTRIC CONIC

C3 27.477 VHL 5.242 DLA -30.90 RAL 218.74 RAD 6568.1 VEL 12.201 PTH 2.19 VHP 8.964 DPA -1.44 RAP 201.79 ECC 1.4522
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.09 11 54 15 1300.88 19.19 354.24 93.15 114.69 12 15 56 700.9 22.36 346.80
 102.91 15 20 8 638.85 19.21 305.40 93.16 114.68 15 30 47 38.8 22.37 297.96
 77.09 11 54 15 1300.88 19.19 354.24 93.15 114.69 12 15 56 700.9 22.36 346.80
 102.91 15 20 8 638.85 19.21 305.40 93.16 114.68 15 30 47 38.8 22.37 297.96
 110.00 14 14 11 845.57 8.84 315.19 87.27 123.16 14 28 17 245.6 13.14 308.73
 110.00 17 59 23 5430.20 30.26 250.06 97.75 106.71 19 29 53 4830.2 32.25 241.40

DIFFERENTIAL CORRECTIONS

TDE-2.4204 TRA 3.3742 TC3-2.9661 BAU 1.0897
 RDE .4198 RRA -.0174 RC3 -.0428 FAU .01701
 FDE -.7600 FRA 1.3854 FC3 -.5361 BSP 19027
 BDE 2.4566 BRA 3.3742 BC3 2.9664 FSP -593

MID-COURSE EXECUTION ACCURACY

SGT 5928.0 SGR 461.6 SG3 175.4
 RRT -.4275 RRF -.4216 RTF .9582
 SGB 5946.0 R23 .0111 R13 -.9582
 SG1 5931.3 SG2 417.1 THA 178.08

ORBIT DETERMINATION ACCURACY

ST 2944.6 SR 458.9 SS 763.0
 CRT -.9046 CRS .8508 CST -.9934
 LSA 3068.8 MSA 213.6 SSA 15.3
 EL1 2973.8 EL2 193.7 ALF 171.94

LAUNCH DATE JUN 27 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 15 1968

HELIOCENTRIC CONIC

DISTANCE 578.552

RL 152.07 LAL .00 LOL 274.68 VL 25.726 GAL 8.37 AZL 92.97 HCA 283.51 SMA 122.48 ECC .27990 INC 2.9670 V1 29.296
 RP 107.92 LAP 2.88 LOP 198.21 VP 37.094 GAP 14.79 AZP 90.69 TAL 157.03 TAP 80.54 RCA 88.20 APO 156.76 V2 35.116
 RC 173.647 GL -13.84 GP 4.22 ZAL 48.07 ZAP 173.76 ETS 40.43 ZAE 127.16 ETE 176.97 ZAC 62.45 ETC 11.82 CLP-175.40

PLANETOCENTRIC CONIC

C3 30.311 VHL 5.506 DLA -30.49 RAL 221.28 RAD 6568.2 VEL 12.316 PTH 2.22 VHP 9.303 DPA -2.46 RAP 203.82 ECC 1.4988
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.20 12 12 27 1299.97 18.26 353.72 97.19 114.85 12 34 7 700.0 21.46 346.34
 101.80 15 22 16 688.84 18.27 308.70 97.19 114.84 15 33 45 88.8 21.47 301.31
 78.20 12 12 27 1299.97 18.26 353.72 97.19 114.85 12 34 7 700.0 21.46 346.34
 101.80 15 22 16 688.84 18.27 308.70 97.19 114.84 15 33 45 88.8 21.47 301.31
 110.00 14 17 41 892.06 7.10 317.66 90.82 123.53 14 32 33 292.1 11.46 311.28
 110.00 18 16 12 5432.79 30.21 250.24 102.16 106.81 19 46 45 4832.8 32.21 241.60

DIFFERENTIAL CORRECTIONS

TDE-2.4194 TRA 3.7269 TC3-2.6698 BAU 1.0820
 RDE .4403 RRA -.0310 RC3 -.0343 FAU .01518
 FDE -.7219 FRA 1.4351 FC3 -.4336 BSP 19027
 BDE 2.4592 BRA 3.7270 BC3 2.6701 FSP -567

MID-COURSE EXECUTION ACCURACY

SGT 5936.3 SGR 461.3 SG3 168.3
 RRT -.4422 RRF -.4350 RTF .9593
 SGB 5954.2 R23 .0098 R13 -.9594
 SG1 5939.8 SG2 413.5 THA 178.02

ORBIT DETERMINATION ACCURACY

ST 2858.4 SR 458.3 SS 734.5
 CRT -.8921 CRS .8358 CST -.9935
 LSA 2978.3 MSA 222.7 SSA 14.7
 EL1 2887.7 EL2 205.0 ALF 171.82

LAUNCH DATE JUN 27 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 17 1968

HELIOCENTRIC CONIC

DISTANCE 583.676

RL 152.07 LAL .00 LOL 274.68 VL 25.688 GAL 9.16 AZL 92.90 HCA 286.73 SMA 122.26 ECC .28866 INC 2.9028 V1 29.296
 RP 107.96 LAP 2.78 LOP 201.43 VP 37.056 GAP 15.41 AZP 90.84 TAL 155.69 TAP 82.42 RCA 86.97 APO 157.55 V2 35.103
 RC 175.555 GL -12.80 GP 4.11 ZAL 46.04 ZAP 174.50 ETS 46.17 ZAE 127.02 ETE 177.03 ZAC 60.28 ETC 11.91 CLP-176.35

PLANETOCENTRIC CONIC

C3 33.587 VHL 5.795 DLA -30.05 RAL 223.69 RAD 6568.3 VEL 12.448 PTH 2.25 VHP 9.668 DPA -3.47 RAP 205.86 ECC 1.5528
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.49 12 31 38 1295.29 17.28 352.89 101.15 114.98 12 53 14 695.3 20.50 345.57
 100.51 15 22 16 745.17 17.29 312.42 101.16 114.97 15 34 42 145.2 20.52 305.10
 79.49 12 31 38 1295.29 17.28 352.89 101.15 114.98 12 53 14 695.3 20.50 345.57
 100.51 15 22 16 745.17 17.29 312.42 101.16 114.97 15 34 42 145.2 20.52 305.10
 110.00 14 20 34 940.14 5.29 320.20 94.28 123.82 14 36 15 340.1 9.69 313.88
 110.00 18 32 31 5436.35 30.14 250.49 106.52 106.95 20 3 7 4836.3 32.16 241.86

DIFFERENTIAL CORRECTIONS

TDE-2.4220 TRA 4.0961 TC3-2.3902 BAU 1.0733
 RDE .4612 RRA -.0460 RC3 -.0268 FAU .01351
 FDE -.6889 FRA 1.4844 FC3 -.3482 BSP 19119
 BDE 2.4656 BRA 4.0964 BC3 2.3903 FSP -546

MID-COURSE EXECUTION ACCURACY

SGT 5941.2 SGR 460.0 SG3 161.7
 RRT -.4580 RRF -.4498 RTF .9608
 SGB 5959.0 R23 .0086 R13 -.9608
 SG1 5945.0 SG2 408.7 THA 177.96

ORBIT DETERMINATION ACCURACY

ST 2776.8 SR 456.2 SS 710.1
 CRT -.8792 CRS .8213 CST -.9937
 LSA 2893.0 MSA 230.7 SSA 14.2
 EL1 2805.8 EL2 215.1 ALF 171.73

LAUNCH DATE JUN 27 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 19 1968

HELIOCENTRIC CONIC

DISTANCE 588.683

RL 152.07 LAL .00 LOL 274.68 VL 25.650 GAL 10.01 AZL 92.84 HCA 289.95 SMA 122.04 ECC .29822 INC 2.8364 V1 29.296
 RP 107.99 LAP 2.67 LOP 204.65 VP 37.018 GAP 16.08 AZP 90.97 TAL 154.37 TAP 84.32 RCA 85.64 APO 158.43 V2 35.091
 RC 177.448 GL -11.80 GP 4.01 ZAL 44.11 ZAP 175.17 ETS 53.75 ZAE 126.86 ETE 177.09 ZAC 58.12 ETC 12.04 CLP-177.30

PLANETOCENTRIC CONIC

C3 37.378 VHL 6.114 DLA -29.60 RAL 225.96 RAD 6568.5 VEL 12.599 PTH 2.29 VHP 10.061 DPA -4.45 RAP 207.90 ECC 1.6152
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.01 12 52 22 1284.98 16.26 351.63 105.04 115.07 13 13 47 685.0 19.50 344.36
 98.99 15 19 38 809.49 16.27 316.71 105.05 115.07 15 33 7 209.5 19.52 309.44
 100.00 14 51 59 897.93 13.01 321.61 103.39 117.15 15 6 57 297.9 16.55 314.61
 100.00 16 2 41 671.78 19.58 308.04 106.60 113.05 16 13 53 71.8 22.53 300.49
 110.00 14 22 57 989.47 3.41 322.79 97.67 124.03 14 39 27 389.5 7.86 316.52
 110.00 18 48 13 5441.04 30.05 250.83 110.81 107.12 20 18 54 4841.0 32.09 242.21

DIFFERENTIAL CORRECTIONS

TDE-2.4238 TRA 4.4884 TC3-2.1221 BAU 1.0605
 RDE .4823 RRA -.0629 RC3 -.0205 FAU .01187
 FDE -.6587 FRA 1.5354 FC3 -.2750 BSP 19183
 BDE 2.4713 BRA 4.4889 BC3 2.1222 FSP -526

MID-COURSE EXECUTION ACCURACY

SGT 5940.9 SGR 457.7 SG3 155.3
 RRT -.4742 RRF -.4651 RTF .9624
 SGB 5958.5 R23 .0075 R13 -.9624
 SG1 5944.8 SG2 402.7 THA 177.90

ORBIT DETERMINATION ACCURACY

ST 2696.6 SR 452.4 SS 688.7
 CRT -.8656 CRS .8066 CST -.9940
 LSA 2809.6 MSA 238.0 SSA 13.7
 EL1 2725.1 EL2 224.2 ALF 171.68

LAUNCH DATE JUN 27 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 21 1968

HELIOCENTRIC CONIC

DISTANCE 593.554

RL 152.07 LAL .00 LOL 274.68 VL 25.612 GAL 10.91 AZL 92.77 HCA 293.16 SMA 121.82 ECC .30868 INC 2.7672 V1 29.296
 RP 108.03 LAP 2.54 LOP 207.87 VP 36.980 GAP 16.80 AZP 91.09 TAL 153.09 TAP 86.25 RCA 84.22 APO 159.42 V2 35.078
 RC 179.325 GL -10.83 GP 3.91 ZAL 42.29 ZAP 175.72 ETS 63.71 ZAE 126.68 ETE 177.15 ZAC 55.96 ETC 12.20 CLP-178.26

PLANETOCENTRIC CONIC

C3 41.775 VHL 6.463 DLA -29.12 RAL 228.08 RAD 6568.6 VEL 12.773 PTH 2.32 VHP 10.487 DPA -5.41 RAP 209.94 ECC 1.6875
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 82.91 13 15 46 1265.14 15.21 349.65 108.85 115.13 13 36 52 665.1 18.47 342.44
 97.09 15 13 11 885.51 15.22 321.81 108.86 115.13 15 27 56 285.5 18.48 314.60
 100.00 14 38 48 995.88 9.90 327.22 106.11 118.35 14 55 24 395.9 13.62 320.40
 100.00 16 32 50 630.00 20.67 305.42 111.36 112.09 16 43 20 30.0 23.49 297.75
 110.00 14 24 52 1039.76 1.49 325.42 100.99 124.15 14 42 12 439.8 5.96 319.18
 110.00 19 3 16 5446.93 29.93 251.24 115.02 107.34 20 34 2 4846.9 32.01 242.65

DIFFERENTIAL CORRECTIONS

TDE-2.4238 TRA 4.9062 TC3-1.8670 BAU 1.0427
 RDE .5034 RRA -.0815 RC3 -.0155 FAU .01027
 FDE -.6313 FRA 1.5892 FC3 -.2128 BSP 19226
 BDE 2.4775 BRA 4.9069 BC3 1.8670 FSP -506

MID-COURSE EXECUTION ACCURACY

SGT 5935.8 SGR 454.3 SG3 149.4
 RRT -.4907 RRF -.4808 RTF .9642
 SGB 5953.2 R23 .0064 R13 -.9642
 SG1 5940.0 SG2 395.6 THA 177.84

ORBIT DETERMINATION ACCURACY

ST 2619.2 SR 447.0 SS 610.3
 CRT -.8514 CRS .7916 CST -.9943
 LSA 2729.3 MSA 244.3 SSA 13.2
 EL1 2646.9 EL2 232.0 ALF 171.67

LAUNCH DATE JUN 27 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 23 1968

HELIOCENTRIC CONIC

DISTANCE 598.265

RL 152.07 LAL .00 LOL 274.68 VL 25.576 GAL 11.88 AZL 92.69 HCA 296.37 SMA 121.61 ECC .32014 INC 2.6947 V1 29.296
 RP 108.07 LAP 2.41 LOP 211.08 VP 36.942 GAP 17.58 AZP 91.20 TAL 151.85 TAP 88.22 RCA 82.68 APO 160.54 V2 35.065
 RC 181.185 GL -9.89 GP 3.82 ZAL 40.59 ZAP 176.10 ETS 76.33 ZAE 126.48 ETE 177.19 ZAC 53.83 ETC 12.44 CLP-179.24

PLANETOCENTRIC CONIC

C3 46.888 VHL 6.848 DLA -28.63 RAL 230.07 RAD 6568.8 VEL 12.971 PTH 2.37 VHP 10.950 DPA -6.34 RAP 211.98 ECC 1.7717
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 85.59 13 45 28 1223.96 14.14 346.10 112.57 115.16 14 5 52 624.0 17.41 338.94
 94.41 14 59 19 984.78 14.15 328.60 112.58 115.15 15 15 44 384.8 17.43 321.43
 100.00 14 30 54 1076.46 7.27 331.75 108.99 119.08 14 48 50 476.5 11.09 325.05
 100.00 16 56 34 607.51 21.24 303.99 115.79 111.54 17 6 42 7.5 23.98 296.26
 110.00 14 26 21 1090.76 -.46 328.07 104.23 124.18 14 44 32 490.8 4.03 321.86
 110.00 19 17 37 5454.02 29.78 251.75 119.15 107.61 20 48 31 4854.0 31.90 243.17

DIFFERENTIAL CORRECTIONS

TDE-2.4258 TRA 5.3549 TC3-1.6235 BAU 1.0177
 RDE .5244 RRA -.1021 RC3 -.0116 FAU .00863
 FDE -.6055 FRA 1.6470 FC3 -.1594 BSP 19169
 BDE 2.4819 BRA 5.3559 BC3 1.6235 FSP -485

MID-COURSE EXECUTION ACCURACY

SGT 5926.4 SGR 449.8 SG3 143.8
 RRT -.5073 RRF -.4966 RTF .9661
 SGB 5943.5 R23 .0051 R13 -.9662
 SG1 5930.8 SG2 387.3 THA 177.79

ORBIT DETERMINATION ACCURACY

ST 2543.6 SR 439.8 SS 654.5
 CRT -.8362 CRS .7760 CST -.9946
 LSA 2651.3 MSA 249.6 SSA 12.7
 EL1 2570.3 EL2 238.7 ALF 171.70

LAUNCH DATE JUN 27 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 25 1968

HELIOCENTRIC CONIC

DISTANCE 602.786

RL 152.07 LAL .00 LOL 274.68 VL 25.539 GAL 12.94 AZL 92.62 HCA 299.58 SMA 121.41 ECC .33275 INC 2.6182 V1 29.296
 RP 108.11 LAP 2.28 LOP 214.29 VP 36.904 GAP 18.43 AZP 91.29 TAL 150.66 TAP 90.24 RCA 81.01 APO 161.80 V2 35.052
 RC 183.028 GL -9.00 GP 3.74 ZAL 38.99 ZAP 176.25 ETS 91.07 ZAE 126.26 ETE 177.24 ZAC 51.71 ETC 12.67 CLP 179.76

PLANETOCENTRIC CONIC

C3 52.854 VHL 7.270 DLA -28.13 RAL 231.91 RAD 6568.9 VEL 13.199 PTH 2.41 VHP 11.455 DPA -7.25 RAP 214.01 ECC 1.8698
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 14 1 6 1227.20 10.37 344.48 114.88 116.50 14 21 33 627.2 13.85 337.52
 90.00 14 58 24 1041.26 15.77 333.49 117.48 113.83 15 15 45 441.3 18.86 326.18
 100.00 14 25 3 1149.71 4.82 335.82 111.90 119.54 14 44 13 549.7 8.72 329.20
 100.00 17 17 8 5882.03 21.57 281.03 120.02 111.21 18 55 10 5282.0 24.26 273.26
 110.00 14 27 26 1142.25 -2.43 330.76 107.41 124.11 14 46 28 542.3 2.07 324.56
 110.00 19 31 15 5462.25 29.61 252.33 123.18 107.91 21 2 17 4862.2 31.77 243.78

DIFFERENTIAL CORRECTIONS

TDE-2.4326 TRA 5.8293 TC3-1.3999 BAU .9892
 RDE .5456 RRA -.1243 RC3 -.0087 FAU .00710
 FDE -.5845 FRA 1.7068 FC3 -.1162 BSP 19245
 BDE 2.4930 BRA 5.8306 BC3 1.3999 FSP -467

MID-COURSE EXECUTION ACCURACY

SGT 5912.4 SGR 444.2 SG3 138.4
 RRT -.5243 RRF -.5132 RTF .9683
 SGB 5929.0 R23 .0040 R13 -.9683
 SG1 5917.0 SG2 378.0 THA 177.73

ORBIT DETERMINATION ACCURACY

ST 2474.2 SR 431.2 SS 642.6
 CRT -.8213 CRS .7617 CST -.9950
 LSA 2580.0 MSA 253.2 SSA 12.2
 EL1 2499.6 EL2 243.5 ALF 171.77

LAUNCH DATE JUN 27 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 27 1968

HELIOCENTRIC CONIC

DISTANCE 607.080

RL 152.07 LAL .00 LOL 274.68 VL 25.504 GAL 14.08 AZL 92.54 HCA 302.79 SMA 121.21 ECC .34665 INC 2.5366 V1 29.296
 RP 108.16 LAP 2.13 LOP 217.50 VP 36.867 GAP 19.36 AZP 91.37 TAL 149.52 TAP 92.32 RCA 79.19 APO 163.22 V2 35.039
 RC 184.853 GL -8.14 GP 3.67 ZAL 37.52 ZAP 176.12 ETS 106.29 ZAE 126.01 ETE 177.28 ZAC 49.62 ETC 12.98 CLP 178.74

PLANETOCENTRIC CONIC

C3 59.843 VHL 7.736 DLA -27.62 RAL 233.61 RAD 6569.1 VEL 13.461 PTH 2.46 VHP 12.009 DPA -8.12 RAP 216.03 ECC 1.9849
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 41 22 1344.39 6.74 351.17 117.11 117.57 14 3 46 744.4 10.38 344.38
 90.00 15 31 43 985.12 17.28 330.07 122.17 112.78 15 48 8 385.1 20.22 322.63
 100.00 14 20 15 1218.69 2.50 339.62 114.79 119.80 14 40 34 618.7 6.45 333.06
 100.00 17 35 30 5874.09 21.77 280.52 124.08 111.01 19 13 25 5274.1 24.43 272.73
 110.00 14 28 6 1194.05 -4.40 333.47 110.50 123.93 14 48 0 594.0 .09 327.26
 110.00 19 44 9 5471.50 29.42 252.97 127.10 108.25 21 15 20 4871.5 31.62 244.46

DIFFERENTIAL CORRECTIONS

TOE-2.4432 TRA 6.3380 TC3-1.1900 BAU .9521
 RDE .5665 RRA -.1482 RC3 -.0067 FAU .00556
 FDE -.5665 FRA 1.7710 FC3 -.0804 BSP 19236
 BDE 2.5080 BRA 6.3397 BC3 1.1900 FSP -451

MID-COURSE EXECUTION ACCURACY

SGT 5893.4 SGR 437.6 SG3 133.4
 RRT -.5415 RRF -.5302 RTF .9707
 SGB 5909.7 R23 .0029 R13 -.9707
 SG1 5898.2 SG2 367.6 THA 177.69

ORBIT DETERMINATION ACCURACY

ST 2409.1 SR 421.3 SS 633.9
 CRT -.8064 CRS .7481 CST -.9955
 LSA 2513.5 MSA 255.2 SSA 11.7
 EL1 2433.2 EL2 246.6 ALF 171.89

LAUNCH DATE JUN 27 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 29 1968

HELIOCENTRIC CONIC

DISTANCE 611.101

RL 152.07 LAL .00 LOL 274.68 VL 25.470 GAL 15.32 AZL 92.45 HCA 306.00 SMA 121.01 ECC .36202 INC 2.4490 V1 29.296
 RP 108.20 LAP 1.98 LOP 220.70 VP 36.831 GAP 20.37 AZP 91.44 TAL 148.46 TAP 94.46 RCA 77.20 APO 164.82 V2 35.025
 RC 186.660 GL -7.31 GP 3.60 ZAL 36.16 ZAP 175.72 ETS 119.97 ZAE 125.73 ETE 177.31 ZAC 47.57 ETC 13.34 CLP 177.69

PLANETOCENTRIC CONIC

C3 68.068 VHL 8.250 DLA -27.10 RAL 235.17 RAD 6569.3 VEL 13.763 PTH 2.51 VHP 12.620 DPA -8.97 RAP 218.03 ECC 2.1202
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 30 0 1433.41 3.91 356.18 119.65 118.07 13 53 54 833.4 7.63 349.48
 90.00 15 55 31 958.12 17.99 328.40 126.36 112.24 16 11 30 358.1 20.85 320.89
 100.00 14 16 1 1284.77 .26 343.25 117.63 119.89 14 37 26 684.8 4.23 336.72
 100.00 17 52 12 5870.04 21.87 280.26 127.99 110.90 19 30 2 5270.0 24.51 272.46
 110.00 14 28 23 1245.95 -6.37 336.21 113.52 123.66 14 49 9 645.9 -1.90 329.97
 110.00 19 56 19 5481.62 29.20 253.68 130.91 108.62 21 27 41 4881.6 31.46 245.21

DIFFERENTIAL CORRECTIONS

TOE-2.4579 TRA 6.8851 TC3 -.9955 BAU .9060
 RDE .5873 RRA -.1740 RC3 -.0055 FAU .00399
 FDE -.5512 FRA 1.8408 FC3 -.0507 BSP 19233
 BDE 2.5271 BRA 6.8873 BC3 .9955 FSP -435

MID-COURSE EXECUTION ACCURACY

SGT 5870.5 SGR 429.9 SG3 128.6
 RRT -.5588 RRF -.5473 RTF .9732
 SGB 5886.2 R23 .0018 R13 -.9732
 SG1 5875.4 SG2 356.3 THA 177.65

ORBIT DETERMINATION ACCURACY

ST 2347.9 SR 409.9 SS 628.4
 CRT -.7916 CRS .7351 CST -.9960
 LSA 2451.5 MSA 255.7 SSA 11.2
 EL1 2370.4 EL2 248.1 ALF 172.04

LAUNCH DATE JUN 27 1967

FLIGHT TIME 218.00

ARRIVAL DATE JAN 31 1968

HELIOCENTRIC CONIC

DISTANCE 614.791

RL 152.07 LAL .00 LOL 274.68 VL 25.436 GAL 16.67 AZL 92.35 HCA 309.20 SMA 120.82 ECC .37909 INC 2.3541 V1 29.296
 RP 108.24 LAP 1.82 LOP 223.91 VP 36.795 GAP 21.50 AZP 91.49 TAL 147.49 TAP 96.69 RCA 75.02 APO 166.63 V2 35.012
 RC 188.449 GL -6.52 GP 3.54 ZAL 34.93 ZAP 175.10 ETS 131.10 ZAE 125.39 ETE 177.35 ZAC 45.57 ETC 13.75 CLP 176.60

PLANETOCENTRIC CONIC

C3 77.800 VHL 8.820 DLA -26.58 RAL 236.59 RAD 6569.5 VEL 14.112 PTH 2.57 VHP 13.296 DPA -9.78 RAP 220.01 ECC 2.2804
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 21 26 1512.07 1.38 .58 122.22 118.29 13 46 38 912.1 5.15 353.93
 90.00 16 15 23 942.09 18.40 327.40 130.27 111.91 16 31 6 342.1 21.21 319.86
 100.00 14 12 2 1348.62 -1.91 346.75 120.40 119.84 14 34 31 748.6 2.08 340.23
 100.00 18 7 28 5868.81 21.90 280.18 131.73 110.87 19 45 17 5268.8 24.54 272.38
 110.00 14 28 14 1297.78 -8.31 338.96 116.45 123.28 14 49 52 697.8 -3.88 332.68
 110.00 20 7 46 5492.41 28.96 254.43 134.57 109.00 21 39 18 4892.4 31.28 245.99

DIFFERENTIAL CORRECTIONS

TOE-2.4744 TRA 7.4789 TC3 -.8141 BAU .8467
 RDE .6076 RRA -.2016 RC3 -.0051 FAU .00231
 FDE -.5378 FRA 1.9180 FC3 -.0257 BSP 19118
 BDE 2.5479 BRA 7.4816 BC3 .8141 FSP -416

MID-COURSE EXECUTION ACCURACY

SGT 5844.1 SGR 421.1 SG3 124.2
 RRT -.5758 RRF -.5643 RTF .9757
 SGB 5859.3 R23 .0007 R13 -.9758
 SG1 5849.2 SG2 344.0 THA 177.62

ORBIT DETERMINATION ACCURACY

ST 2289.3 SR 397.1 SS 625.8
 CRT -.7765 CRS .7223 CST -.9965
 LSA 2392.8 MSA 254.7 SSA 10.7
 EL1 2310.3 EL2 248.0 ALF 172.24

LAUNCH DATE JUN 27 1967

FLIGHT TIME 220.00

ARRIVAL DATE FEB 2 1968

HELIOCENTRIC CONIC

DISTANCE 618.074

RL 152.07 LAL .00 LOL 274.68 VL 25.404 GAL 18.17 AZL 92.25 HCA 312.40 SMA 120.64 ECC .39809 INC 2.2501 V1 29.296
 RP 108.28 LAP 1.66 LOP 227.10 VP 36.760 GAP 22.75 AZP 91.52 TAL 146.61 TAP 99.02 RCA 72.62 APO 168.67 V2 34.999
 RC 190.221 GL -5.75 GP 3.48 ZAL 33.83 ZAP 174.29 ETS 139.72 ZAE 125.01 ETE 177.39 ZAC 43.61 ETC 14.21 CLP 175.47

PLANETOCENTRIC CONIC

C3 89.383 VHL 9.454 DLA -26.05 RAL 237.86 RAD 6569.7 VEL 14.516 PTH 2.63 VHP 14.049 DPA -10.55 RAP 221.95 ECC 2.4710
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 14 11 1584.82 -.97 4.64 124.77 118.30 13 40 36 984.8 2.82 358.01
 90.00 16 32 45 932.14 18.65 326.78 133.96 111.70 16 48 17 332.1 21.43 319.21
 100.00 14 8 7 1410.63 -4.00 350.16 123.09 119.65 14 31 38 810.6 -.02 343.63
 100.00 18 21 29 5869.61 21.88 280.23 135.30 110.89 19 59 19 5269.6 24.52 272.43
 110.00 14 27 39 1349.37 -10.23 341.72 119.29 122.80 14 50 8 749.4 -5.83 335.39
 110.00 20 18 27 5503.63 28.71 255.21 138.07 109.40 21 50 11 4903.6 31.08 246.81

DIFFERENTIAL CORRECTIONS

TOE-2.5041 TRA 8.1159 TC3 -.6500 BAU .7767
 RDE .6279 RRA -.2306 RC3 -.0051 FAU .00061
 FDE -.5293 FRA 2.0014 FC3 -.0059 BSP 19107
 BDE 2.5816 BRA 8.1191 BC3 .6500 FSP -402

MID-COURSE EXECUTION ACCURACY

SGT 5812.4 SGR 411.2 SG3 119.9
 RRT -.5929 RRF -.5817 RTF .9784
 SGB 5827.0 R23 -.0003 R13 -.9784
 SG1 5817.6 SG2 330.8 THA 177.59

ORBIT DETERMINATION ACCURACY

ST 2236.5 SR 383.4 SS 627.1
 CRT -.7629 CRS .7117 CST -.9970
 LSA 2340.6 MSA 251.7 SSA 10.2
 EL1 2255.7 EL2 245.8 ALF 172.46

LAUNCH DATE JUN 28 1967

FLIGHT TIME 70.00

ARRIVAL DATE SEP 6 1967

HELIOCENTRIC CONIC

DISTANCE 169.820

RL 152.08 LAL .00 LOL 275.63 VL 24.319 GAL -4.09 AZL 93.58 HCA 71.51 SMA 115.01 ECC .32931 INC 3.5787 V1 29.295
 RP 108.80 LAP -3.39 LOP 347.11 VP 35.856 GAP -18.99 AZP 91.14 TAL 188.41 TAP 259.93 RCA 77.13 APO 152.88 V2 34.830
 RC 43.796 GL -15.68 GP -3.45 ZAL 108.66 ZAP 5.77 ETS 143.01 ZAE 158.33 ETE 23.27 ZAC 94.39 ETC 13.70 CLP 4.62

PLANETOCENTRIC CONIC

C3 31.370 VHL 5.601 DLA -9.02 RAL 161.22 RAD 6568.2 VEL 12.359 PTH 2.23 VHP 11.584 DPA 3.22 RAP 172.37 ECC 1.5163
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 53 10 2041.52 -15.03 30.81 28.24 114.28 5 27 12 1441.5 -11.62 23.79
 90.00 14 34 30 5252.58 26.77 236.96 33.54 80.42 16 2 2 4652.6 25.18 228.66
 100.00 6 10 7 1793.30 -16.23 11.99 27.67 115.45 6 40 0 1193.3 -12.67 5.00
 100.00 16 0 14 4976.03 28.07 216.36 33.28 79.28 17 23 10 4376.0 26.31 208.01
 110.00 7 8 20 1611.01 -19.40 356.45 25.96 118.72 7 35 11 1011.0 -15.41 349.59
 110.00 17 18 31 4731.09 31.55 196.89 32.40 76.11 18 37 22 4131.1 29.32 188.39

DIFFERENTIAL CORRECTIONS

TDE .3480 TRA -.5637 TC3 .2707 BAU .1192
 RDE -.3789 RRA -.1452 RC3 .0861 FAU .02463
 FDE -.2981 FRA .1214 FC3 -.6798 BSP 2014
 BDE .5145 BRA .5822 BC3 .2841 FSP -165

MID-COURSE EXECUTION ACCURACY

SGT 748.1 SGR 426.8 SG3 71.7
 RRT -.0654 RRF .0728 RTF -.6651
 SGB 861.3 R23 -.0085 R13 .6657
 SG1 748.9 SG2 425.4 THA 176.84

ORBIT DETERMINATION ACCURACY

ST 396.9 SR 390.2 SS 308.3
 CRT -.8398 CRS -.9683 CST .9435
 LSA 616.1 MSA 158.1 SSA 18.3
 EL1 533.8 EL2 157.5 ALF 135.58

LAUNCH DATE JUN 28 1967

FLIGHT TIME 72.00

ARRIVAL DATE SEP 8 1967

HELIOCENTRIC CONIC

DISTANCE 176.531

RL 152.08 LAL .00 LOL 275.63 VL 24.625 GAL -4.12 AZL 93.51 HCA 74.68 SMA 116.52 ECC .31273 INC 3.5111 V1 29.295
 RP 108.78 LAP -3.39 LOP 350.29 VP 36.072 GAP -17.83 AZP 90.93 TAL 189.15 TAP 263.84 RCA 80.08 APO 152.96 V2 34.838
 RC 44.440 GL -16.38 GP -3.64 ZAL 110.02 ZAP 4.51 ETS 125.79 ZAE 156.41 ETE 20.51 ZAC 93.27 ETC 13.68 CLP 2.66

PLANETOCENTRIC CONIC

C3 28.449 VHL 5.334 DLA -9.10 RAL 159.61 RAD 6568.1 VEL 12.240 PTH 2.20 VHP 10.931 DPA 2.56 RAP 173.40 ECC 1.4682
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 47 22 2014.42 -14.26 29.19 25.05 114.72 5 20 56 1414.4 -10.81 22.21
 90.00 14 27 25 5230.69 26.52 235.41 30.12 79.68 15 54 35 4630.7 24.82 227.15
 100.00 6 4 15 1766.34 -15.43 10.38 24.48 115.92 6 33 42 1166.3 -11.82 3.45
 100.00 15 53 12 4953.99 27.78 214.79 29.85 78.50 17 15 46 4354.0 25.92 206.49
 110.00 7 2 23 1584.35 -18.52 354.88 22.79 119.26 7 28 47 984.4 -14.48 348.10
 110.00 17 11 34 4708.75 31.17 195.26 28.94 75.21 18 30 3 4108.7 28.83 186.84

DIFFERENTIAL CORRECTIONS

TDE .3488 TRA -.5357 TC3 .3301 BAU .1302
 RDE -.3636 RRA -.1371 RC3 .0905 FAU .02635
 FDE -.3168 FRA .1018 FC3 -.8018 BSP 2128
 BDE .5038 BRA .5530 BC3 .3423 FSP -188

MID-COURSE EXECUTION ACCURACY

SGT 777.2 SGR 429.1 SG3 80.1
 RRT -.0762 RRF .0850 RTF -.6845
 SGB 887.8 R23 -.0103 R13 .6852
 SG1 778.2 SG2 427.3 THA 176.55

ORBIT DETERMINATION ACCURACY

ST 413.6 SR 393.1 SS 323.9
 CRT -.8517 CRS -.9744 CST .9419
 LSA 636.9 MSA 156.6 SSA 19.1
 EL1 549.1 EL2 155.2 ALF 136.70

LAUNCH DATE JUN 28 1967

FLIGHT TIME 74.00

ARRIVAL DATE SEP 10 1967

HELIOCENTRIC CONIC

DISTANCE 183.258

RL 152.08 LAL .00 LOL 275.63 VL 24.904 GAL -4.16 AZL 93.45 HCA 77.85 SMA 117.96 ECC .29751 INC 3.4455 V1 29.295
 RP 108.75 LAP -3.37 LOP 353.47 VP 36.271 GAP -16.74 AZP 90.73 TAL 189.96 TAP 267.81 RCA 82.86 APO 153.05 V2 34.846
 RC 45.237 GL -17.03 GP -3.86 ZAL 111.48 ZAP 3.91 ETS 99.24 ZAE 154.61 ETE 18.14 ZAC 92.19 ETC 13.66 CLP .66

PLANETOCENTRIC CONIC

C3 25.974 VHL 5.096 DLA -9.11 RAL 157.91 RAD 6568.1 VEL 12.139 PTH 2.18 VHP 10.309 DPA 1.89 RAP 174.39 ECC 1.4275
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 40 39 1991.62 -13.61 27.84 21.92 115.07 5 13 51 1391.6 -10.12 20.90
 90.00 14 20 37 5208.23 26.23 233.83 26.74 78.93 15 47 25 4608.2 24.44 225.62
 100.00 5 57 33 1743.56 -14.75 9.03 21.35 116.30 6 26 36 1143.6 -11.10 2.14
 100.00 15 46 25 4931.53 27.47 213.19 26.46 77.72 17 8 36 4331.5 25.50 204.95
 110.00 6 55 39 1561.59 -17.75 353.56 19.69 119.70 7 21 41 961.6 -13.67 346.83
 110.00 17 4 47 4686.26 30.77 193.63 25.51 74.32 18 22 53 4086.3 28.32 185.29

DIFFERENTIAL CORRECTIONS

TDE .3490 TRA -.5075 TC3 .3947 BAU .1408
 RDE -.3497 RRA -.1297 RC3 .0934 FAU .02829
 FDE -.3372 FRA .0783 FC3 -.9429 BSP 2246
 BDE .4941 BRA .5238 BC3 .4056 FSP -214

MID-COURSE EXECUTION ACCURACY

SGT 806.0 SGR 430.7 SG3 89.6
 RRT -.0882 RRF .0994 RTF -.7022
 SGB 913.8 R23 -.0131 R13 .7031
 SG1 807.2 SG2 428.3 THA 176.24

ORBIT DETERMINATION ACCURACY

ST 429.1 SR 395.7 SS 339.4
 CRT -.8631 CRS -.9800 CST .9399
 LSA 656.9 MSA 154.9 SSA 20.1
 EL1 563.5 EL2 152.2 ALF 137.68

LAUNCH DATE JUN 28 1967

FLIGHT TIME 76.00

ARRIVAL DATE SEP 12 1967

HELIOCENTRIC CONIC

DISTANCE 189.997

RL 152.08 LAL .00 LOL 275.63 VL 25.160 GAL -4.22 AZL 93.38 HCA 81.03 SMA 119.31 ECC .28361 INC 3.3814 V1 29.295
 RP 108.72 LAP -3.34 LOP 356.65 VP 36.456 GAP -15.69 AZP 90.53 TAL 190.82 TAP 271.85 RCA 85.47 APO 153.15 V2 34.856
 RC 46.178 GL -17.63 GP -4.09 ZAL 113.01 ZAP 4.32 ETS 70.66 ZAE 152.97 ETE 16.06 ZAC 91.16 ETC 13.66 CLP -1.39

PLANETOCENTRIC CONIC

C3 23.879 VHL 4.887 DLA -9.04 RAL 156.17 RAD 6568.0 VEL 12.052 PTH 2.15 VHP 9.717 DPA 1.23 RAP 175.31 ECC 1.3930
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 33 8 1973.18 -13.07 26.74 18.87 115.34 5 6 1 1373.2 -9.55 19.83
 90.00 14 14 12 5185.27 25.92 232.22 23.43 78.19 15 40 38 4585.3 24.03 224.06
 100.00 5 50 4 1724.99 -14.18 7.94 18.31 116.59 6 18 49 1125.0 -10.50 1.09
 100.00 15 39 58 4908.69 27.13 211.58 23.13 76.93 17 1 46 4308.7 25.06 203.39
 110.00 6 48 16 1542.76 -17.11 352.47 16.67 120.05 7 13 58 942.8 -12.99 345.79
 110.00 16 58 15 4663.69 30.35 192.01 22.16 73.45 18 15 59 4063.7 27.78 183.75

DIFFERENTIAL CORRECTIONS

TDE .3497 TRA -.4778 TC3 .4659 BAU .1518
 RDE -.3373 RRA -.1231 RC3 .0944 FAU .03048
 FDE -.3592 FRA .0507 FC3 -1.1052 BSP 2373
 BDE .4858 BRA .4934 BC3 .4754 FSP -245

MID-COURSE EXECUTION ACCURACY

SGT 835.0 SGR 431.6 SG3 100.3
 RRT -.1034 RRF .1160 RTF -.7208
 SGB 939.9 R23 -.0149 R13 .7218
 SG1 836.6 SG2 428.4 THA 175.85

ORBIT DETERMINATION ACCURACY

ST 444.1 SR 397.9 SS 354.9
 CRT -.8751 CRS -.9848 CST .9383
 LSA 676.6 MSA 152.7 SSA 21.1
 EL1 577.6 EL2 148.1 ALF 138.59

LAUNCH DATE JUN 28 1967

FLIGHT TIME 78.00

ARRIVAL DATE SEP 14 1967

HELIOCENTRIC CONIC
 RL 152.08 LAL .00 LOL 275.63 VL 25.392 GAL -4.29 AZL 93.32 HCA 84.20 SMA 120.59 ECC .27094 INC 3.3184 V1 29.295
 RP 108.69 LAP -3.30 LOP 359.83 VP 36.626 GAP -14.69 AZP 90.34 TAL 191.73 TAP 275.93 RCA 87.91 APO 153.26 V2 34.865
 RC 47.255 GL -18.16 GP -4.35 ZAL 114.59 ZAP 5.58 ETS 50.55 ZAE 151.50 ETE 14.19 ZAC 90.19 ETC 13.67 CLP -3.50

PLANETOCENTRIC CONIC
 C3 22.108 VHL 4.702 DLA -8.89 RAL 154.39 RAD 6567.9 VEL 11.979 PTH 2.13 VHP 9.153 OPA .55 RAP 176.18 ECC 1.3638
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 24 55 1959.03 -12.66 25.91 15.92 115.54 4 57 34 1359.0 -9.12 19.02
 90.00 14 8 15 5161.89 25.59 230.59 20.21 77.43 15 34 17 4561.9 23.60 222.48
 100.00 5 41 56 1710.60 -13.74 7.10 15.37 116.81 6 10 26 1110.6 -10.04 .27
 100.00 15 33 56 4885.56 26.76 209.96 19.90 76.16 16 55 22 4285.6 24.59 201.83
 110.00 6 40 18 1527.82 -16.60 351.62 13.76 120.32 7 5 46 927.8 -12.45 344.97
 110.00 16 52 3 4641.09 29.90 190.40 18.91 72.60 18 9 24 4041.1 27.23 182.23

DIFFERENTIAL CORRECTIONS
 TDE .3489 TRA -.4497 TC3 .5376 BAU .1613 SGT 862.5 SGR 431.8 SG3 112.4 ST 456.8 SR 399.8 SS 369.7
 RDE -.3261 RRA -.1172 RC3 .0929 FAU .03296 RRT -.1197 RRF .1350 RTF -.7351 CRT -.8854 CRS -.9888 CST .9357
 FDE -.3825 FRA .0186 FC3-1.2907 BSP 2472 SGB 964.6 R23 -.0185 R13 .7364 LSA 694.2 MSA 151.0 SSA 22.1
 BDE .4776 BRA .4647 BC3 .5456 FSP -279 SG1 864.6 SG2 427.7 THA 175.46 EL1 589.7 EL2 143.9 ALF 139.30

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 28 1967

FLIGHT TIME 80.00

ARRIVAL DATE SEP 16 1967

HELIOCENTRIC CONIC
 RL 152.08 LAL .00 LOL 275.63 VL 25.604 GAL -4.36 AZL 93.26 HCA 87.38 SMA 121.78 ECC .25946 INC 3.2560 V1 29.295
 RP 108.66 LAP -3.25 LOP 3.01 VP 36.783 GAP -13.73 AZP 90.15 TAL 192.68 TAP 280.05 RCA 90.18 APO 153.38 V2 34.875
 RC 48.458 GL -18.63 GP -4.65 ZAL 116.20 ZAP 7.33 ETS 38.54 ZAE 150.24 ETE 12.49 ZAC 89.30 ETC 13.69 CLP -5.68

PLANETOCENTRIC CONIC
 C3 20.612 VHL 4.540 DLA -8.68 RAL 152.61 RAD 6567.8 VEL 11.916 PTH 2.12 VHP 8.616 OPA -.12 RAP 176.98 ECC 1.3392
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 16 9 1949.02 -12.37 25.32 13.09 115.68 4 48 38 1349.0 -8.81 18.45
 90.00 14 2 51 5138.17 25.22 228.95 17.11 76.69 15 28 29 4538.2 23.14 220.90
 100.00 5 33 16 1700.22 -13.42 6.49 12.55 116.96 6 1 37 1100.2 -9.70 359.68
 100.00 15 28 24 4862.20 26.37 208.34 16.79 75.39 16 49 27 4262.2 24.10 200.27
 110.00 6 31 54 1516.65 -16.22 350.98 10.97 120.51 6 57 10 916.7 -12.05 344.35
 110.00 16 46 16 4618.53 29.43 188.81 15.77 71.76 18 3 15 4018.5 26.65 180.73

DIFFERENTIAL CORRECTIONS
 TDE .3477 TRA -.4210 TC3 .6126 BAU .1706 SGT 889.3 SGR 431.6 SG3 126.1 ST 467.8 SR 401.4 SS 384.6
 RDE -.3162 RRA -.1123 RC3 .0886 FAU .03579 RRT -.1390 RRF .1575 RTF -.7492 CRT -.8955 CRS -.9920 CST .9329
 FDE -.4080 FRA -.0191 FC3-1.5032 BSP 2577 SGB 988.5 R23 -.0226 R13 .7508 LSA 710.6 MSA 149.4 SSA 23.1
 BDE .4700 BRA .4357 BC3 .6190 FSP -319 SG1 891.9 SG2 426.1 THA 175.00 EL1 600.5 EL2 139.2 ALF 139.87

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 28 1967

FLIGHT TIME 82.00

ARRIVAL DATE SEP 18 1967

HELIOCENTRIC CONIC
 RL 152.08 LAL .00 LOL 275.63 VL 25.796 GAL -4.44 AZL 93.19 HCA 90.56 SMA 122.89 ECC .24909 INC 3.1939 V1 29.295
 RP 108.63 LAP -3.19 LOP 6.19 VP 36.927 GAP -12.82 AZP 89.97 TAL 193.65 TAP 284.21 RCA 92.28 APO 153.50 V2 34.886
 RC 49.776 GL -19.01 GP -4.97 ZAL 117.83 ZAP 9.35 ETS 31.20 ZAE 149.19 ETE 10.91 ZAC 88.48 ETC 13.73 CLP -7.93

PLANETOCENTRIC CONIC
 C3 19.349 VHL 4.399 DLA -8.41 RAL 150.86 RAD 6567.8 VEL 11.863 PTH 2.10 VHP 8.106 OPA -.79 RAP 177.68 ECC 1.3184
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 4 6 58 1942.90 -12.19 24.97 10.40 115.76 4 39 21 1342.9 -8.62 18.10
 90.00 13 58 1 5114.19 24.84 227.30 14.15 75.95 15 23 15 4514.2 22.66 219.30
 100.00 5 24 14 1693.62 -13.22 6.11 9.87 117.06 5 52 28 1093.6 -9.49 359.31
 100.00 15 23 26 4838.70 25.96 206.71 13.83 74.63 16 44 5 4238.7 23.59 198.71
 110.00 6 23 11 1509.03 -15.95 350.55 8.32 120.64 6 48 20 909.0 -11.77 343.94
 110.00 16 40 58 4596.06 28.94 187.25 12.79 70.95 17 57 34 3996.1 26.07 179.24

DIFFERENTIAL CORRECTIONS
 TDE .3454 TRA -.3927 TC3 .6871 BAU .1790 SGT 913.9 SGR 430.9 SG3 141.5 ST 476.3 SR 402.7 SS 399.0
 RDE -.3074 RRA -.1081 RC3 .0810 FAU .03898 RRT -.1613 RRF .1835 RTF -.7618 CRT -.9046 CRS -.9943 CST .9298
 FDE -.4355 FRA -.0622 FC3-1.7441 BSP 2678 SGB 1010.4 R23 -.0273 R13 .7638 LSA 725.0 MSA 148.2 SSA 24.1
 BDE .4624 BRA .4073 BC3 .6918 FSP -364 SG1 917.2 SG2 423.7 THA 174.47 EL1 609.1 EL2 134.2 ALF 140.28

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 28 1967

FLIGHT TIME 84.00

ARRIVAL DATE SEP 20 1967

HELIOCENTRIC CONIC
 RL 152.08 LAL .00 LOL 275.63 VL 25.970 GAL -4.51 AZL 93.13 HCA 93.74 SMA 123.93 ECC .23975 INC 3.1317 V1 29.295
 RP 108.59 LAP -3.13 LOP 9.38 VP 37.059 GAP -11.94 AZP 89.80 TAL 194.64 TAP 288.38 RCA 94.21 APO 153.64 V2 34.897
 RC 51.201 GL -19.32 GP -5.34 ZAL 119.44 ZAP 11.56 ETS 26.43 ZAE 148.38 ETE 9.40 ZAC 87.77 ETC 13.77 CLP -10.27

PLANETOCENTRIC CONIC
 C3 18.283 VHL 4.276 DLA -8.07 RAL 149.15 RAD 6567.7 VEL 11.818 PTH 2.09 VHP 7.622 OPA -1.47 RAP 178.30 ECC 1.3009
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 57 30 1940.36 -12.11 24.82 7.87 115.79 4 29 51 1340.4 -8.54 17.95
 90.00 13 53 50 5090.06 24.43 225.65 11.35 75.22 15 18 40 4490.1 22.16 217.71
 100.00 5 14 57 1690.52 -13.12 5.93 7.35 117.10 5 43 7 1090.5 -9.39 359.13
 100.00 15 19 4 4815.13 25.52 205.10 11.02 73.88 16 39 19 4215.1 23.06 197.16
 110.00 6 14 18 1504.68 -15.80 350.30 5.83 120.71 6 39 23 904.7 -11.61 343.70
 110.00 16 36 12 4573.74 28.43 185.71 9.96 70.17 17 52 26 3973.7 25.46 177.79

DIFFERENTIAL CORRECTIONS
 TDE .3421 TRA -.3650 TC3 .7603 BAU .1866 SGT 936.5 SGR 430.0 SG3 159.1 ST 482.2 SR 403.8 SS 413.2
 RDE -.2997 RRA -.1049 RC3 .0695 FAU .04263 RRT -.1870 RRF .2140 RTF -.7730 CRT -.9128 CRS -.9957 CST .9260
 FDE -.4654 FRA -.1122 FC3-2.0186 BSP 2772 SGB 1030.5 R23 -.0334 R13 .7755 LSA 737.5 MSA 147.7 SSA 25.0
 BDE .4548 BRA .3798 BC3 .7635 FSP -416 SG1 940.8 SG2 420.5 THA 173.86 EL1 615.6 EL2 129.2 ALF 140.53

MID-COURSE EXECUTION ACCURACY
 ORBIT DETERMINATION ACCURACY

LAUNCH DATE JUN 28 1967

FLIGHT TIME 86.00

ARRIVAL DATE SEP 22 1967

HELIOCENTRIC CONIC

DISTANCE 223.722

RL 152.08 LAL .00 LOL 275.63 VL 26.126 GAL -4.59 AZL 93.07 HCA 96.92 SMA 124.88 ECC .23139 INC 3.0691 V1 29.295
 RP 108.56 LAP -3.05 LOP 12.56 VP 37.179 GAP -11.10 AZP 89.63 TAL 195.64 TAP 292.55 RCA 95.98 APO 153.77 V2 34.908
 RC 52.722 GL -19.54 GP -5.75 ZAL 121.01 ZAP 13.93 ETS 23.14 ZAE 147.80 ETE 7.92 ZAC 87.16 ETC 13.82 CLP -12.71

PLANETOCENTRIC CONIC

C3 17.382 VHL 4.169 DLA -7.68 RAL 147.50 RAD 6567.7 VEL 11.780 PTH 2.08 VHP 7.163 DPA -2.14 RAP 178.80 ECC 1.2861
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 47 55 1941.05 -12.13 24.86 5.51 115.78 4 20 16 1341.0 -8.56 17.99
 90.00 13 50 18 5065.85 24.00 224.01 8.72 74.50 15 14 44 4465.9 21.64 216.13
 100.00 5 5 34 1690.55 -13.12 5.93 5.00 117.10 5 33 44 1090.6 -9.39 359.14
 100.00 15 15 21 4791.58 25.06 203.49 8.38 73.16 16 35 12 4191.6 22.52 195.62
 110.00 6 5 22 1503.29 -15.76 350.22 3.50 120.74 6 30 26 903.3 -11.56 343.63
 110.00 16 32 2 4551.61 27.91 184.20 7.31 69.41 17 47 53 3951.6 24.85 176.36

DIFFERENTIAL CORRECTIONS

TDE .3376 TRA -.3382 TC3 .8296 BAU .1932
 RDE -.2928 RRA -.1026 RC3 .0537 FAU .04677
 FDE -.4977 FRA -.1694 FC3-2.3293 BSP 2854
 BDE .4469 BRA .3534 BC3 .8313 FSP -476

MID-COURSE EXECUTION ACCURACY

SGT 955.9 SGR 429.2 SG3 179.1
 RRT -.2169 RRF .2493 RTF -.7828
 SGB 1047.8 R23 -.0406 R13 .7859
 SG1 961.4 SG2 416.5 THA 173.14

ORBIT DETERMINATION ACCURACY

ST 485.3 SR 404.7 SS 427.0
 CRT -.9200 CRS -.9961 CST .9217
 LSA 747.7 MSA 147.9 SSA 25.8
 EL1 619.5 EL2 124.2 ALF 140.61

LAUNCH DATE JUN 28 1967

FLIGHT TIME 88.00

ARRIVAL DATE SEP 24 1967

HELIOCENTRIC CONIC

DISTANCE 230.449

RL 152.08 LAL .00 LOL 275.63 VL 26.267 GAL -4.66 AZL 93.01 HCA 100.10 SMA 125.75 ECC .22392 INC 3.0055 V1 29.295
 RP 108.52 LAP -2.96 LOP 15.75 VP 37.290 GAP -10.30 AZP 89.47 TAL 196.62 TAP 296.72 RCA 97.59 APO 153.91 V2 34.920
 RC 54.330 GL -19.68 GP -6.20 ZAL 122.54 ZAP 16.46 ETS 20.77 ZAE 147.48 ETE 6.45 ZAC 86.67 ETC 13.89 CLP -15.27

PLANETOCENTRIC CONIC

C3 16.620 VHL 4.077 DLA -7.25 RAL 145.95 RAD 6567.7 VEL 11.747 PTH 2.07 VHP 6.728 DPA -2.82 RAP 179.18 ECC 1.2735
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 38 20 1944.59 -12.24 25.06 3.33 115.74 4 10 44 1344.6 -8.67 18.20
 90.00 13 47 28 5041.65 23.55 222.37 6.28 73.80 15 11 30 4441.7 21.10 214.56
 100.00 4 56 12 1693.37 -13.21 6.10 2.83 117.06 5 24 25 1093.4 -9.48 359.29
 100.00 15 12 17 4768.10 24.59 201.91 5.93 72.45 16 31 45 4168.1 21.96 194.10
 110.00 5 56 31 1504.53 -15.80 350.29 1.36 120.71 6 21 35 904.5 -11.61 343.69
 110.00 16 28 28 4529.70 27.38 182.72 4.84 68.68 17 43 57 3929.7 24.23 174.96

DIFFERENTIAL CORRECTIONS

TDE .3333 TRA -.3111 TC3 .8970 BAU .1994
 RDE -.2869 RRA -.1015 RC3 .0329 FAU .05153
 FDE -.5337 FRA -.2356 FC3-2.6842 BSP 2964
 BDE .4397 BRA .3272 BC3 .8977 FSP -547

MID-COURSE EXECUTION ACCURACY

SGT 974.0 SGR 428.9 SG3 202.0
 RRT -.2535 RRF .2910 RTF -.7928
 SGB 1064.2 R23 -.0478 R13 .7968
 SG1 981.3 SG2 411.7 THA 172.26

ORBIT DETERMINATION ACCURACY

ST 487.2 SR 405.5 SS 441.6
 CRT -.9270 CRS -.9957 CST .9175
 LSA 757.6 MSA 148.6 SSA 26.4
 EL1 622.6 EL2 119.0 ALF 140.64

LAUNCH DATE JUN 28 1967

FLIGHT TIME 90.00

ARRIVAL DATE SEP 26 1967

HELIOCENTRIC CONIC

DISTANCE 237.164

RL 152.08 LAL .00 LOL 275.63 VL 26.394 GAL -4.73 AZL 92.94 HCA 103.29 SMA 126.55 ECC .21729 INC 2.9406 V1 29.295
 RP 108.48 LAP -2.86 LOP 18.94 VP 37.390 GAP -9.53 AZP 89.32 TAL 197.57 TAP 300.86 RCA 99.05 APO 154.05 V2 34.932
 RC 56.016 GL -19.73 GP -6.72 ZAL 124.00 ZAP 19.14 ETS 18.99 ZAE 147.42 ETE 4.93 ZAC 86.33 ETC 13.95 CLP -17.97

PLANETOCENTRIC CONIC

C3 15.972 VHL 3.996 DLA -6.77 RAL 144.49 RAD 6567.6 VEL 11.720 PTH 2.06 VHP 6.318 DPA -3.49 RAP 179.41 ECC 1.2629
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 28 53 1950.57 -12.41 25.42 1.33 115.66 4 1 23 1350.6 -8.86 18.54
 90.00 13 45 19 5017.52 23.08 220.76 4.03 73.12 15 8 57 4417.5 20.55 213.00
 100.00 4 46 59 1698.59 -13.37 6.40 .85 116.98 5 15 18 1098.6 -9.65 359.59
 100.00 15 9 54 4744.74 24.10 200.35 3.67 71.76 16 28 59 4144.7 21.39 192.60
 110.00 5 47 51 1508.05 -15.92 350.49 359.40 120.66 6 12 59 908.1 -11.74 343.89
 110.00 16 25 32 4508.04 26.83 181.27 2.57 67.98 17 40 40 3908.0 23.61 173.59

DIFFERENTIAL CORRECTIONS

TDE .3257 TRA -.2876 TC3 .9515 BAU .2032
 RDE -.2815 RRA -.1013 RC3 .0069 FAU .05686
 FDE -.5714 FRA -.3094 FC3-3.0820 BSP 3013
 BDE .4305 BRA .3049 BC3 .9516 FSP -624

MID-COURSE EXECUTION ACCURACY

SGT 984.3 SGR 429.3 SG3 227.6
 RRT -.2924 RRF .3382 RTF -.7986
 SGB 1073.8 R23 -.0591 R13 .8039
 SG1 993.9 SG2 406.6 THA 171.26

ORBIT DETERMINATION ACCURACY

ST 483.7 SR 406.0 SS 454.9
 CRT -.9316 CRS -.9946 CST .9115
 LSA 763.1 MSA 150.6 SSA 26.9
 EL1 621.0 EL2 114.9 ALF 140.35

LAUNCH DATE JUN 28 1967

FLIGHT TIME 92.00

ARRIVAL DATE SEP 28 1967

HELIOCENTRIC CONIC

DISTANCE 243.864

RL 152.08 LAL .00 LOL 275.63 VL 26.507 GAL -4.79 AZL 92.87 HCA 106.48 SMA 127.28 ECC .21142 INC 2.8739 V1 29.295
 RP 108.45 LAP -2.76 LOP 22.13 VP 37.481 GAP -8.78 AZP 89.18 TAL 198.49 TAP 304.97 RCA 100.37 APO 154.18 V2 34.945
 RC 57.772 GL -19.71 GP -7.30 ZAL 125.39 ZAP 22.00 ETS 17.61 ZAE 147.63 ETE 3.33 ZAC 86.15 ETC 14.01 CLP -20.81

PLANETOCENTRIC CONIC

C3 15.419 VHL 3.927 DLA -6.27 RAL 143.15 RAD 6567.6 VEL 11.696 PTH 2.06 VHP 5.931 DPA -4.16 RAP 179.49 ECC 1.2538
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 19 39 1958.66 -12.65 25.89 359.53 115.55 3 52 17 1358.7 -9.11 19.00
 90.00 13 43 52 4993.49 22.60 219.16 1.97 72.47 15 7 6 4393.5 19.99 211.46
 100.00 4 38 1 1705.86 -13.60 6.82 359.05 116.88 5 6 27 1105.9 -9.88 .00
 100.00 15 8 12 4721.52 23.60 198.80 1.61 71.10 16 26 53 4121.5 20.80 191.12
 110.00 5 39 27 1513.52 -16.11 350.80 357.63 120.56 6 4 40 913.5 -11.93 344.18
 110.00 16 23 15 4486.63 26.28 179.85 .49 67.31 17 38 2 3886.6 22.97 172.25

DIFFERENTIAL CORRECTIONS

TDE .3164 TRA -.2664 TC3 .9957 BAU .2053
 RDE -.2768 RRA -.1023 RC3 -.0252 FAU .06289
 FDE -.6117 FRA -.3925 FC3-3.5309 BSP 3047
 BDE .4204 BRA .2854 BC3 .9960 FSP -713

MID-COURSE EXECUTION ACCURACY

SGT 988.7 SGR 431.3 SG3 256.6
 RRT -.3359 RRF .3918 RTF -.8022
 SGB 1078.7 R23 -.0734 R13 .8093
 SG1 1001.3 SG2 401.1 THA 170.05

ORBIT DETERMINATION ACCURACY

ST 476.9 SR 406.4 SS 467.8
 CRT -.9349 CRS -.9928 CST .9043
 LSA 766.2 MSA 153.7 SSA 27.2
 EL1 616.5 EL2 111.6 ALF 139.88

LAUNCH DATE JUN 28 1967

FLIGHT TIME 94.00

ARRIVAL DATE SEP 30 1967

HELIOCENTRIC CONIC

DISTANCE 250.547

RL 152.08 LAL .00 LOL 275.63 VL 26.607 GAL -4.85 AZL 92.81 MCA 109.67 SMA 127.93 ECC .20625 INC 2.8050 V1 29.295
 RP 108.41 LAP -2.64 LOP 25.32 VP 37.564 GAP -8.07 AZP 89.06 TAL 199.36 TAP 309.03 RCA 101.54 APO 154.31 V2 34.957
 RC 59.590 GL -19.61 GP -7.96 ZAL 126.69 ZAP 25.04 ETS 16.52 ZAE 148.11 ETE 1.59 ZAC 86.14 ETC 14.07 CLP -23.82

PLANETOCENTRIC CONIC

C3 14.942 VHL 3.866 DLA -5.73 RAL 141.94 RAD 6567.6 VEL 11.676 PTH 2.05 VHP 5.569 DPA -4.83 RAP 179.38 ECC 1.2459
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 10 43 1968.53 -12.94 26.47 357.91 115.41 3 43 32 1368.5 -9.41 19.57
 90.00 13 43 7 4969.54 22.10 217.59 .10 71.83 15 5 57 4369.5 19.41 209.95
 100.00 4 29 21 1714.87 -13.87 7.35 357.44 116.75 4 57 56 1114.9 -10.18 .51
 100.00 15 7 11 4698.43 23.08 197.28 359.74 70.46 16 25 29 4098.4 20.21 189.67
 110.00 5 31 23 1520.65 -16.36 351.21 356.04 120.44 5 56 44 920.7 -12.19 344.57
 110.00 16 21 38 4465.41 25.71 178.46 358.60 66.66 17 36 3 3865.4 22.33 170.94

DIFFERENTIAL CORRECTIONS

TDE .3053 TRA -.2478 TC3 1.0278 BAU .2057
 RDE -.2726 RRA -.1045 RC3 -.0643 FAU .06971
 FDE -.6546 FRA -.4855 FC3-4.0390 BSP 3059
 BDE .4093 BRA .2690 BC3 1.0298 FSP -815

MID-COURSE EXECUTION ACCURACY

SGT 986.1 SGR 435.8 SG3 289.3
 RRT -.3835 RRF .4520 RTF -.8034
 SGB 1078.1 R23 -.0914 R13 .8133
 SG1 1002.9 SG2 395.8 THA 168.58

ORBIT DETERMINATION ACCURACY

ST 466.5 SR 406.7 SS 480.5
 CRT -.9366 CRS -.9905 CST .8957
 LSA 767.0 MSA 157.6 SSA 27.4
 EL1 609.2 EL2 109.2 ALF 139.18

LAUNCH DATE JUN 28 1967

FLIGHT TIME 96.00

ARRIVAL DATE OCT 2 1967

HELIOCENTRIC CONIC

DISTANCE 257.211

RL 152.08 LAL .00 LOL 275.63 VL 26.695 GAL -4.90 AZL 92.73 MCA 112.86 SMA 128.51 ECC .20171 INC 2.7332 V1 29.295
 RP 108.37 LAP -2.52 LOP 28.52 VP 37.639 GAP -7.38 AZP 88.94 TAL 200.17 TAP 313.03 RCA 102.59 APO 154.44 V2 34.970
 RC 61.464 GL -19.44 GP -8.69 ZAL 127.89 ZAP 28.28 ETS 15.62 ZAE 148.86 ETE 359.63 ZAC 86.34 ETC 14.12 CLP -27.02

PLANETOCENTRIC CONIC

C3 14.528 VHL 3.812 DLA -5.17 RAL 140.86 RAD 6567.6 VEL 11.658 PTH 2.05 VHP 5.230 DPA -5.50 RAP 179.07 ECC 1.2391
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 3 2 10 1979.90 -13.27 27.14 356.49 115.25 3 35 9 1379.9 -9.76 20.22
 90.00 13 43 4 4945.63 21.58 216.02 358.43 71.21 15 5 30 4345.6 18.82 208.44
 100.00 4 21 4 1725.36 -14.20 7.96 356.02 116.59 4 49 49 1125.4 -10.51 1.11
 100.00 15 6 51 4675.40 22.55 195.78 358.06 69.84 16 24 47 4075.4 19.60 188.23
 110.00 5 23 43 1529.19 -16.65 351.69 354.64 120.29 5 49 13 929.2 -12.50 345.04
 110.00 16 20 41 4444.34 25.14 177.09 356.91 66.04 17 34 45 3844.3 21.68 169.64

DIFFERENTIAL CORRECTIONS

TDE .2922 TRA -.2330 TC3 1.0439 BAU .2039
 RDE -.2688 RRA -.1080 RC3 -.1110 FAU .07733
 FDE -.6991 FRA -.5878 FC3-4.6085 BSP 3043
 BDE .3970 BRA .2568 BC3 1.0497 FSP -928

MID-COURSE EXECUTION ACCURACY

SGT 974.5 SGR 443.9 SG3 326.0
 RRT -.4334 RRF .5175 RTF -.8010
 SGB 1070.9 R23 -.1146 R13 .8150
 SG1 996.9 SG2 391.0 THA 166.76

ORBIT DETERMINATION ACCURACY

ST 452.3 SR 407.0 SS 492.2
 CRT -.9362 CRS -.9878 CST .8850
 LSA 765.1 MSA 162.4 SSA 27.3
 EL1 598.8 EL2 108.0 ALF 138.22

LAUNCH DATE JUN 28 1967

FLIGHT TIME 98.00

ARRIVAL DATE OCT 4 1967

HELIOCENTRIC CONIC

DISTANCE 263.856

RL 152.08 LAL .00 LOL 275.63 VL 26.773 GAL -4.95 AZL 92.66 MCA 116.06 SMA 129.03 ECC .19775 INC 2.6579 V1 29.295
 RP 108.33 LAP -2.39 LOP 31.71 VP 37.706 GAP -6.72 AZP 88.83 TAL 200.91 TAP 316.97 RCA 103.51 APO 154.55 V2 34.983
 RC 63.388 GL -19.19 GP -9.52 ZAL 128.99 ZAP 31.74 ETS 14.86 ZAE 149.89 ETE 357.37 ZAC 86.75 ETC 14.14 CLP -30.43

PLANETOCENTRIC CONIC

C3 14.162 VHL 3.763 DLA -4.59 RAL 139.92 RAD 6567.6 VEL 11.642 PTH 2.04 VHP 4.916 DPA -6.17 RAP 178.53 ECC 1.2331
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 53 59 1992.58 -13.64 27.89 355.24 115.06 3 27 12 1392.6 -10.15 20.95
 90.00 13 43 44 4921.66 21.05 214.47 356.93 70.61 15 5 45 4321.7 18.21 206.94
 100.00 4 13 11 1737.13 -14.55 8.65 354.79 116.40 4 42 8 1137.1 -10.89 1.78
 100.00 15 7 13 4652.35 22.00 194.29 356.56 69.24 16 24 46 4052.3 18.98 186.80
 110.00 5 16 29 1538.94 -16.98 352.25 353.43 120.12 5 42 8 938.9 -12.85 345.58
 110.00 16 20 24 4423.30 24.55 175.74 355.40 65.43 17 34 8 3823.3 21.03 168.36

DIFFERENTIAL CORRECTIONS

TDE .2788 TRA -.2201 TC3 1.0473 BAU .2008
 RDE -.2656 RRA -.1133 RC3 -.1673 FAU .08597
 FDE -.7480 FRA -.7033 FC3-5.2554 BSP 3043
 BDE .3851 BRA .2476 BC3 1.0606 FSP -1063

MID-COURSE EXECUTION ACCURACY

SGT 956.4 SGR 457.5 SG3 367.5
 RRT -.4863 RRF .5881 RTF -.7964
 SGB 1060.2 R23 -.1419 R13 .8167
 SG1 986.8 SG2 387.4 THA 164.45

ORBIT DETERMINATION ACCURACY

ST 437.0 SR 407.7 SS 505.3
 CRT -.9347 CRS -.9850 CST .8730
 LSA 764.0 MSA 167.8 SSA 27.1
 EL1 587.9 EL2 107.8 ALF 137.12

LAUNCH DATE JUN 28 1967

FLIGHT TIME 100.00

ARRIVAL DATE OCT 6 1967

HELIOCENTRIC CONIC

DISTANCE 270.480

RL 152.08 LAL .00 LOL 275.63 VL 26.841 GAL -4.98 AZL 92.58 MCA 119.25 SMA 129.49 ECC .19431 INC 2.5782 V1 29.295
 RP 108.29 LAP -2.25 LOP 34.91 VP 37.766 GAP -6.09 AZP 88.74 TAL 201.57 TAP 320.83 RCA 104.33 APO 154.65 V2 34.996
 RC 65.357 GL -18.87 GP -10.46 ZAL 129.99 ZAP 35.44 ETS 14.18 ZAE 151.19 ETE 354.68 ZAC 87.41 ETC 14.13 CLP -34.06

PLANETOCENTRIC CONIC

C3 13.833 VHL 3.719 DLA -3.98 RAL 139.12 RAD 6567.5 VEL 11.628 PTH 2.04 VHP 4.627 DPA -6.84 RAP 177.75 ECC 1.2277
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 46 14 2006.39 -14.03 28.71 354.17 114.85 3 19 40 1406.4 -10.57 21.75
 90.00 13 45 6 4897.52 20.49 212.91 355.62 70.02 15 6 43 4297.5 17.59 205.45
 100.00 4 5 43 1750.00 -14.94 9.41 353.73 116.19 4 34 53 1150.0 -11.30 2.51
 100.00 15 8 18 4629.14 21.43 192.80 355.24 68.65 16 25 27 4029.1 18.34 185.37
 110.00 5 9 41 1549.74 -17.35 352.87 352.39 119.92 5 35 31 949.7 -13.24 346.17
 110.00 16 20 49 4402.17 23.94 174.40 354.07 64.84 17 34 11 3802.2 20.35 167.09

DIFFERENTIAL CORRECTIONS

TDE .2612 TRA -.2141 TC3 1.0247 BAU .1943
 RDE -.2624 RRA -.1197 RC3 -.2334 FAU .09530
 FDE -.7929 FRA -.8230 FC3-5.9647 BSP 2960
 BDE .3703 BRA .2453 BC3 1.0509 FSP -1205

MID-COURSE EXECUTION ACCURACY

SGT 923.2 SGR 477.3 SG3 412.5
 RRT -.5308 RRF .6579 RTF -.7835
 SGB 1039.3 R23 -.1793 R13 .8144
 SG1 964.5 SG2 387.2 THA 161.58

ORBIT DETERMINATION ACCURACY

ST 415.1 SR 408.1 SS 514.3
 CRT -.9286 CRS -.9822 CST .8553
 LSA 756.6 MSA 173.9 SSA 26.9
 EL1 571.7 EL2 110.0 ALF 135.53

LAUNCH DATE JUN 28 1967

FLIGHT TIME 102.00

ARRIVAL DATE OCT 8 1967

HELIOCENTRIC CONIC

DISTANCE 277.082

RL 152.08 LAL .00 LOL 275.63 VL 26.899 GAL -5.01 AZL 92.49 HCA 122.45 SMA 129.88 ECC .19133 INC 2.4934 V1 29.295
 RP 108.25 LAP -2.10 LOP 38.11 VP 37.820 GAP -5.48 AZP 88.66 TAL 202.15 TAP 324.61 RCA 105.03 APO 154.73 V2 35.009
 RC 67.365 GL -18.48 GP -11.51 ZAL 130.89 ZAP 39.39 ETS 13.55 ZAE 152.73 ETE 351.38 ZAC 88.32 ETC 14.07 CLP -37.94

PLANETOCENTRIC CONIC

C3 13.531 VHL 3.678 DLA -3.35 RAL 138.46 RAD 6567.5 VEL 11.615 PTH 2.04 VHP 4.363 DPA -7.53 RAP 176.70 ECC 1.2227
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 38 53 2021.30 -14.46 29.60 353.28 114.61 3 12 34 1421.3 -11.02 22.61
 90.00 13 47 13 4872.98 19.91 211.35 354.48 69.44 15 8 26 4273.0 16.94 203.94
 100.00 3 58 39 1763.94 -15.36 10.24 352.84 115.96 4 28 3 1163.9 -11.74 3.31
 100.00 15 10 7 4605.57 20.84 191.30 354.10 68.07 16 26 52 4005.6 17.68 183.93
 110.00 5 3 19 1561.53 -17.75 353.56 351.52 119.70 5 29 21 961.5 -13.66 346.83
 110.00 16 21 57 4380.75 23.32 173.05 352.92 64.27 17 34 58 3780.7 19.66 165.82

DIFFERENTIAL CORRECTIONS

TDE .2418 TRA -.2130 TC3 .9790 BAU .1859
 RDE -.2595 RRA -.1279 RC3 -.3115 FAU .10548
 FDE -.8363 FRA -.9503 FC3-6.7485 BSP 2857
 BDE .3547 BRA .2484 BC3 1.0274 FSP -1362

MID-COURSE EXECUTION ACCURACY

SGT 878.1 SGR 505.7 SG3 461.6
 RRT -.5652 RRF .7255 RTF -.7618
 SGB 1013.3 R23 -.2243 R13 .8110
 SG1 934.4 SG2 392.0 THA 157.88

ORBIT DETERMINATION ACCURACY

ST 390.2 SR 408.7 SS 521.9
 CRT -.9182 CRS -.9794 CST .8320
 LSA 747.3 MSA 180.5 SSA 26.6
 EL1 553.4 EL2 114.2 ALF 133.56

LAUNCH DATE JUN 28 1967

FLIGHT TIME 104.00

ARRIVAL DATE OCT 10 1967

HELIOCENTRIC CONIC

DISTANCE 283.662

RL 152.08 LAL .00 LOL 275.63 VL 26.948 GAL -5.03 AZL 92.40 HCA 125.66 SMA 130.22 ECC .18877 INC 2.4022 V1 29.295
 RP 108.20 LAP -1.95 LOP 41.31 VP 37.867 GAP -4.89 AZP 88.60 TAL 202.64 TAP 328.30 RCA 105.64 APO 154.81 V2 35.023
 RC 69.409 GL -18.01 GP -12.69 ZAL 131.69 ZAP 43.60 ETS 12.91 ZAE 154.48 ETE 347.22 ZAC 89.51 ETC 13.94 CLP -42.08

PLANETOCENTRIC CONIC

C3 13.249 VHL 3.640 DLA -2.68 RAL 137.95 RAD 6567.5 VEL 11.603 PTH 2.03 VHP 4.125 DPA -8.22 RAP 175.37 ECC 1.2180
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 31 53 2037.33 -14.91 30.56 352.56 114.35 3 5 51 1437.3 -11.50 23.54
 90.00 13 50 6 4847.78 19.30 209.75 353.51 68.87 15 10 54 4247.8 16.26 202.40
 100.00 3 51 59 1778.97 -15.80 11.13 352.12 115.71 4 21 38 1179.0 -12.22 4.18
 100.00 15 12 42 4581.37 20.22 189.77 353.12 67.50 16 29 3 3981.4 16.99 182.46
 110.00 4 57 21 1574.32 -18.18 354.30 350.83 119.46 5 23 36 974.3 -14.12 347.54
 110.00 16 23 49 4358.79 22.66 171.68 351.93 63.70 17 36 28 3758.8 18.94 164.52

DIFFERENTIAL CORRECTIONS

TDE .2217 TRA -.2163 TC3 .9109 BAU .1765
 RDE -.2569 RRA -.1379 RC3 -.4040 FAU .11650
 FDE -.8787 FRA -1.0840 FC3-7.6123 BSP 2762
 BDE .3394 BRA .2565 BC3 .9965 FSP -1539

MID-COURSE EXECUTION ACCURACY

SGT 823.2 SGR 545.2 SG3 515.1
 RRT -.5839 RRF .7877 RTF -.7285
 SGB 987.4 R23 -.2724 R13 .8097
 SG1 900.7 SG2 404.6 THA 152.99

ORBIT DETERMINATION ACCURACY

ST 364.2 SR 409.8 SS 529.1
 CRT -.9023 CRS -.9771 CST .8021
 LSA 738.0 MSA 187.3 SSA 26.2
 EL1 534.9 EL2 120.3 ALF 131.27

LAUNCH DATE JUN 28 1967

FLIGHT TIME 106.00

ARRIVAL DATE OCT 12 1967

HELIOCENTRIC CONIC

DISTANCE 290.219

RL 152.08 LAL .00 LOL 275.63 VL 26.990 GAL -5.04 AZL 92.30 HCA 128.86 SMA 130.51 ECC .18659 INC 2.3034 V1 29.295
 RP 108.16 LAP -1.79 LOP 44.52 VP 37.909 GAP -4.32 AZP 88.55 TAL 203.04 TAP 331.90 RCA 106.16 APO 154.86 V2 35.036
 RC 71.485 GL -17.45 GP -14.01 ZAL 132.39 ZAP 48.08 ETS 12.25 ZAE 156.37 ETE 341.89 ZAC 90.97 ETC 13.73 CLP -46.48

PLANETOCENTRIC CONIC

C3 12.978 VHL 3.603 DLA -1.98 RAL 137.58 RAD 6567.5 VEL 11.592 PTH 2.03 VHP 3.915 DPA -8.93 RAP 173.74 ECC 1.2136
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 25 13 2054.61 -15.39 31.60 352.00 114.06 2 59 28 1454.6 -12.01 24.55
 90.00 13 53 51 4821.59 18.65 208.10 352.69 68.30 15 14 13 4221.6 15.54 200.81
 100.00 3 45 39 1795.20 -16.28 12.10 351.57 115.42 4 15 34 1195.2 -12.72 5.11
 100.00 15 16 7 4556.23 19.56 188.20 352.30 66.93 16 32 3 3956.2 16.27 180.95
 110.00 4 51 46 1588.20 -18.64 355.11 350.29 119.18 5 18 14 988.2 -14.61 348.31
 110.00 16 26 29 4336.00 21.97 170.28 351.10 63.13 17 38 45 3736.0 18.19 163.19

DIFFERENTIAL CORRECTIONS

TDE .1978 TRA -.2274 TC3 .8069 BAU .1657
 RDE -.2538 RRA -.1491 RC3 -.5108 FAU .12769
 FDE -.9065 FRA -1.2113 FC3-8.5178 BSP 2617
 BDE .3218 BRA .2719 BC3 .9550 FSP -1715

MID-COURSE EXECUTION ACCURACY

SGT 753.6 SGR 595.5 SG3 569.6
 RRT -.5683 RRF .8400 RTF -.6691
 SGB 960.5 R23 -.3186 R13 .8114
 SG1 858.9 SG2 429.9 THA 146.35

ORBIT DETERMINATION ACCURACY

ST 333.2 SR 410.0 SS 529.1
 CRT -.8742 CRS -.9747 CST .7558
 LSA 721.5 MSA 194.6 SSA 25.9
 EL1 512.2 EL2 129.5 ALF 128.28

LAUNCH DATE JUN 28 1967

FLIGHT TIME 108.00

ARRIVAL DATE OCT 14 1967

HELIOCENTRIC CONIC

DISTANCE 296.752

RL 152.08 LAL .00 LOL 275.63 VL 27.024 GAL -5.04 AZL 92.20 HCA 132.07 SMA 130.75 ECC .18473 INC 2.1951 V1 29.295
 RP 108.12 LAP -1.63 LOP 47.72 VP 37.945 GAP -3.77 AZP 88.53 TAL 203.35 TAP 335.41 RCA 106.59 APO 154.90 V2 35.049
 RC 73.590 GL -16.81 GP -15.47 ZAL 133.00 ZAP 52.82 ETS 11.51 ZAE 158.26 ETE 334.94 ZAC 92.71 ETC 13.40 CLP -51.17

PLANETOCENTRIC CONIC

C3 12.714 VHL 3.566 DLA -1.24 RAL 137.36 RAD 6567.5 VEL 11.580 PTH 2.03 VHP 3.732 DPA -9.68 RAP 171.81 ECC 1.2092
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 18 47 2073.41 -15.91 32.74 351.60 113.74 2 53 21 1473.4 -12.57 25.65
 90.00 13 58 32 4793.94 17.95 206.38 352.02 67.72 15 18 26 4193.9 14.77 199.15
 100.00 3 39 34 1812.87 -16.79 13.16 351.18 115.10 4 9 46 1212.9 -13.27 6.14
 100.00 15 20 27 4529.71 18.84 186.55 351.63 66.35 16 35 57 3929.7 15.48 179.37
 110.00 4 46 29 1603.37 -19.14 356.00 349.92 118.87 5 13 13 1003.4 -15.15 349.16
 110.00 16 30 1 4311.98 21.22 168.81 350.42 62.55 17 41 53 3712.0 17.38 161.79

DIFFERENTIAL CORRECTIONS

TDE .1727 TRA -.2447 TC3 .6703 BAU .1569
 RDE -.2501 RRA -.1616 RC3 -.6348 FAU .13894
 FDE -.9207 FRA -1.3297 FC3-9.4610 BSP 2499
 BDE .3039 BRA .2932 BC3 .9232 FSP -1896

MID-COURSE EXECUTION ACCURACY

SGT 678.3 SGR 658.7 SG3 624.7
 RRT -.5052 RRF .8827 RTF -.5699
 SGB 945.5 R23 -.3353 R13 .8291
 SG1 820.4 SG2 470.0 THA 136.67

ORBIT DETERMINATION ACCURACY

ST 301.9 SR 409.6 SS 524.0
 CRT -.8292 CRS -.9725 CST .6886
 LSA 701.4 MSA 202.1 SSA 25.5
 EL1 488.8 EL2 141.4 ALF 124.76

LAUNCH DATE JUN 28 1967

FLIGHT TIME 110.00

ARRIVAL DATE OCT 16 1967

HELIOCENTRIC CONIC

DISTANCE 303.261

RL 152.08 LAL .00 LOL 275.63 VL 27.051 GAL -5.03 AZL 92.08 MCA 135.28 SMA 130.94 ECC .18317 INC 2.0752 V1 29.295
 RP 108.08 LAP -1.46 LOP 50.93 VP 37.977 GAP -3.23 AZP 88.53 TAL 203.56 TAP 338.83 RCA 106.95 APO 154.92 V2 35.062
 RC 75.721 GL -16.06 GP -17.09 ZAL 133.51 ZAP 57.79 ETS 10.65 ZAE 159.97 ETE 325.90 ZAC 94.71 ETC 12.94 CLP -56.11

PLANETOCENTRIC CONIC

C3 12.450 VHL 3.528 DLA -.42 RAL 137.29 RAD 6567.5 VEL 11.569 PTH 2.02 VHP 3.580 DPA -10.47 RAP 169.59 ECC 1.2049
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 12 29 2094.14 -16.48 34.00 351.37 113.36 2 47 23 1494.1 -13.18 26.88
 90.00 14 4 17 4764.24 17.17 204.55 351.51 67.13 15 23 41 4164.2 13.93 197.37
 100.00 3 33 38 1832.39 -17.35 14.34 350.96 114.73 4 4 10 1232.4 -13.87 7.28
 100.00 15 25 49 4501.23 18.05 184.80 351.11 65.76 16 40 51 3901.2 14.63 177.68
 110.00 4 41 26 1620.18 -19.69 356.99 349.72 118.52 5 8 26 1020.2 -15.73 350.11
 110.00 16 34 31 4286.21 20.40 167.26 349.88 61.96 17 45 57 3686.2 16.50 160.32

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1478 TRA -.2670 TC3 .5002 BAU .1540 SGT 608.4 SGR 736.5 SG3 679.3 ST 273.1 SR 408.5 SS 514.8
 RDE -.2458 RRA -.1755 RC3 -.7787 FAU .14994 RRT -.3709 RRF .9160 RTF -.4066 CRT -.7602 CRS -.9703 CST .5936
 FDE -.9201 FRA -1.4364 FC-10.4264 BSP 2471 SGB 955.3 R23 -.2682 R13 .8789 LSA 679.6 MSA 209.8 SSA 25.2
 BDE .2868 BRA .3195 BC3 .9255 FSP -2084 SG1 802.2 SG2 518.7 THA 121.29 EL1 466.1 EL2 155.5 ALF 120.73

LAUNCH DATE JUN 28 1967

FLIGHT TIME 112.00

ARRIVAL DATE OCT 18 1967

HELIOCENTRIC CONIC

DISTANCE 309.747

RL 152.08 LAL .00 LOL 275.63 VL 27.072 GAL -5.01 AZL 91.94 MCA 138.49 SMA 131.08 ECC .18187 INC 1.9408 V1 29.295
 RP 108.04 LAP -1.29 LOP 54.14 VP 38.004 GAP -2.72 AZP 88.55 TAL 203.67 TAP 342.16 RCA 107.24 APO 154.92 V2 35.075
 RC 77.874 GL -15.17 GP -18.86 ZAL 133.93 ZAP 62.97 ETS 9.65 ZAE 161.19 ETE 314.47 ZAC 96.95 ETC 12.31 CLP -61.30

PLANETOCENTRIC CONIC

C3 12.182 VHL 3.490 DLA .48 RAL 137.38 RAD 6567.5 VEL 11.557 PTH 2.02 VHP 3.458 DPA -11.32 RAP 167.11 ECC 1.2005
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 2 6 10 2117.43 -17.10 35.42 351.30 112.92 2 41 27 1517.4 -13.85 28.25
 90.00 14 11 18 4731.73 16.30 202.56 351.14 66.52 15 30 10 4131.7 12.99 195.45
 100.00 3 27 43 1854.33 -17.97 15.67 350.90 114.29 3 58 38 1254.3 -14.54 8.56
 100.00 15 32 25 4470.06 17.17 182.91 350.73 65.15 16 46 55 3870.1 13.68 175.86
 110.00 4 36 29 1639.11 -20.31 358.12 349.69 118.11 5 3 48 1039.1 -16.39 351.19
 110.00 16 40 9 4258.05 19.49 165.58 349.50 61.35 17 51 7 3658.0 15.52 158.72

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .1218 TRA -.2963 TC3 .2866 BAU .1601 SGT 562.7 SGR 825.4 SG3 727.2 ST 247.6 SR 403.9 SS 493.5
 RDE -.2391 RRA -.1890 RC3 -.9405 FAU .15946 RRT -.1268 RRF .9405 RTF -.1413 CRT -.6501 CRS -.9674 CST .4503
 FDE -.8870 FRA -1.5085 FC-11.3324 BSP 2538 SGB 999.0 R23 -.0761 R13 .9376 LSA 648.0 MSA 217.9 SSA 25.0
 BDE .2683 BRA .3514 BC3 .9832 FSP -2244 SG1 831.0 SG2 554.4 THA 98.95 EL1 441.3 EL2 172.2 ALF 115.97

LAUNCH DATE JUN 28 1967

FLIGHT TIME 114.00

ARRIVAL DATE OCT 20 1967

HELIOCENTRIC CONIC

DISTANCE 316.209

RL 152.08 LAL .00 LOL 275.63 VL 27.087 GAL -4.98 AZL 91.79 MCA 141.70 SMA 131.19 ECC .18081 INC 1.7881 V1 29.295
 RP 108.00 LAP -1.11 LOP 57.35 VP 38.026 GAP -2.22 AZP 88.60 TAL 203.70 TAP 345.40 RCA 107.47 APO 154.91 V2 35.088
 RC 80.046 GL -14.12 GP -20.81 ZAL 134.26 ZAP 68.29 ETS 8.44 ZAE 161.60 ETE 301.03 ZAC 99.36 ETC 11.50 CLP -66.69

PLANETOCENTRIC CONIC

C3 11.908 VHL 3.451 DLA 1.50 RAL 137.63 RAD 6567.5 VEL 11.545 PTH 2.02 VHP 3.368 DPA -12.26 RAP 164.39 ECC 1.1960
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 59 36 2144.20 -17.80 37.07 351.42 112.39 2 35 20 1544.2 -14.61 29.85
 90.00 14 19 51 4695.35 15.30 200.36 350.93 65.88 15 38 6 4095.3 11.92 193.31
 100.00 3 21 38 1879.57 -18.67 17.22 351.03 113.77 3 52 58 1279.6 -15.30 10.05
 100.00 15 40 29 4435.20 16.16 180.81 350.52 64.51 16 54 25 3835.2 12.60 173.83
 110.00 4 31 29 1660.96 -21.00 359.44 349.84 117.61 4 59 10 1061.0 -17.14 352.44
 110.00 16 47 8 4226.58 18.46 163.73 349.27 60.70 17 57 35 3626.6 14.41 156.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0975 TRA -.3300 TC3 .0326 BAU .1787 SGT 572.0 SGR 925.9 SG3 766.4 ST 230.8 SR 394.7 SS 460.8
 RDE -.2295 RRA -.2018 RC3 -1.1221 FAU .16705 RRT .1975 RRF .9581 RTF .1962 CRT -.4960 CRS -.9628 CST .2579
 FDE -.8198 FRA -1.5425 FC-12.1454 BSP 2780 SGB 1088.3 R23 .1001 R13 .9529 LSA 607.8 MSA 226.6 SSA 25.1
 BDE .2493 BRA .3868 BC3 1.1226 FSP -2376 SG1 936.5 SG2 554.3 THA 79.23 EL1 415.8 EL2 190.3 ALF 110.69

LAUNCH DATE JUN 28 1967

FLIGHT TIME 116.00

ARRIVAL DATE OCT 22 1967

HELIOCENTRIC CONIC

DISTANCE 322.648

RL 152.08 LAL .00 LOL 275.63 VL 27.097 GAL -4.94 AZL 91.61 MCA 144.92 SMA 131.26 ECC .17996 INC 1.6118 V1 29.295
 RP 107.96 LAP -.93 LOP 60.56 VP 38.045 GAP -1.74 AZP 88.68 TAL 203.63 TAP 348.55 RCA 107.64 APO 154.88 V2 35.101
 RC 82.236 GL -12.87 GP -22.95 ZAL 134.51 ZAP 73.68 ETS 7.00 ZAE 160.89 ETE 286.97 ZAC 101.89 ETC 10.46 CLP -72.23

PLANETOCENTRIC CONIC

C3 11.624 VHL 3.409 DLA 2.68 RAL 138.06 RAD 6567.4 VEL 11.533 PTH 2.01 VHP 3.313 DPA -13.34 RAP 161.48 ECC 1.1913
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 52 31 2175.81 -18.61 39.04 351.75 111.74 2 28 47 1575.8 -15.50 31.75
 90.00 14 30 19 4653.64 14.13 197.86 350.88 65.20 15 47 53 4053.6 10.67 190.89
 100.00 3 15 7 1909.41 -19.48 19.07 351.37 113.13 3 46 56 1309.4 -16.18 11.83
 100.00 15 50 25 4395.28 14.98 178.44 350.46 63.83 17 3 40 3795.3 11.34 171.54
 110.00 4 26 13 1686.84 -21.81 1.01 350.20 117.00 4 54 20 1086.8 -18.01 353.93
 110.00 16 55 47 4190.61 17.25 161.65 349.20 60.02 18 5 38 3590.6 13.13 154.95

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE .0779 TRA -.3656 TC3 -.2593 BAU .2100 SGT 653.3 SGR 1039.0 SG3 795.4 ST 226.3 SR 380.5 SS 419.3
 RDE -.2165 RRA -.2135 RC3 -1.3265 FAU .17231 RRT .4910 RRF .9709 RTF .4954 CRT -.3205 CRS -.9557 CST .0433
 FDE -.7226 FRA -1.5376 FC-12.8331 BSP 3224 SGB 1227.4 R23 .1728 R13 .9556 LSA 561.5 MSA 236.3 SSA 25.2
 BDE .2301 BRA .4234 BC3 1.3516 FSP -2484 SG1 1104.4 SG2 535.5 THA 67.20 EL1 390.2 EL2 209.0 ALF 105.27

LAUNCH DATE JUN 28 1967

FLIGHT TIME 118.00

ARRIVAL DATE OCT 24 1967

HELIOCENTRIC CONIC

DISTANCE 329.063

RL 152.08 LAL .00 LOL 275.63 VL 27.101 GAL -4.89 AZL 91.40 HCA 148.14 SMA 131.29 ECC .17930 INC 1.4047 V1 29.295
 RP 107.92 LAP -.74 LOP 63.78 VP 38.060 GAP -1.27 AZP 88.81 TAL 203.47 TAP 351.61 RCA 107.75 APO 154.83 V2 35.113
 RC 84.440 GL -11.34 GP -25.29 ZAL 134.67 ZAP 79.04 ETS 5.28 ZAE 159.01 ETE 274.11 ZAC 104.46 ETC 9.17 CLP -77.87

PLANETOCENTRIC CONIC

C3 11.331 VHL 3.366 DLA 4.08 RAL 138.68 RAD 6567.4 VEL 11.520 PTH 2.01 VHP 3.294 DPA -14.61 RAP 158.44 ECC 1.1865
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 44 30 2214.28 -19.56 41.46 352.32 110.89 2 21 24 1614.3 -16.55 34.08
 90.00 14 43 18 4604.56 12.71 194.95 351.03 64.48 16 0 3 4004.6 9.17 188.06
 100.00 3 7 46 1945.73 -20.44 21.34 351.95 112.30 3 40 11 1345.7 -17.23 14.01
 100.00 16 2 44 4348.34 13.55 175.69 350.60 63.10 17 15 12 3748.3 9.83 168.87
 110.00 4 20 24 1718.40 -22.77 2.95 350.82 116.21 4 49 2 1118.4 -19.06 355.78
 110.00 17 6 35 4148.43 15.79 159.24 349.33 59.28 18 15 43 3548.4 11.60 152.64

DIFFERENTIAL CORRECTIONS

TDE .0640 TRA -.4026 TC3 -.5938 BAU .2511
 RDE -.1967 RRA -.2211 RC3-1.5477 FAU .17380
 FDE -.5742 FRA-1.4704 FC-13.2788 BSP 3810
 BDE .2068 BRA .4593 BC3 1.6577 FSP -2525

MID-COURSE EXECUTION ACCURACY

SGT 802.3 SGR 1157.6 SG3 806.7
 RRT .6883 RRF .9797 RTF .6931
 SGB 1408.4 R23 .1969 R13 .9601
 SG1 1311.4 SG2 513.7 THA 59.29

ORBIT DETERMINATION ACCURACY

ST 233.4 SR 354.7 SS 359.3
 CRT -.1545 CRS -.9395 CST -.1758
 LSA 497.2 MSA 248.0 SSA 26.0
 EL1 357.8 EL2 228.6 ALF 99.86

LAUNCH DATE JUN 28 1967

FLIGHT TIME 120.00

ARRIVAL DATE OCT 26 1967

HELIOCENTRIC CONIC

DISTANCE 335.455

RL 152.08 LAL .00 LOL 275.63 VL 27.102 GAL -4.82 AZL 91.16 HCA 151.36 SMA 131.29 ECC .17880 INC 1.1563 V1 29.295
 RP 107.89 LAP -.55 LOP 67.00 VP 38.071 GAP -.82 AZP 88.99 TAL 203.24 TAP 354.59 RCA 107.81 APO 154.76 V2 35.125
 RC 86.655 GL -9.45 GP -27.89 ZAL 134.74 ZAP 84.27 ETS 3.23 ZAE 156.06 ETE 263.59 ZAC 106.98 ETC 7.61 CLP -83.52

PLANETOCENTRIC CONIC

C3 11.031 VHL 3.321 DLA 5.81 RAL 139.53 RAD 6567.4 VEL 11.507 PTH 2.00 VHP 3.314 DPA -16.13 RAP 155.30 ECC 1.1815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 34 54 2262.73 -20.71 44.55 353.20 109.76 2 12 36 1662.7 -17.83 37.06
 90.00 14 59 42 4545.04 10.93 191.48 351.42 63.72 16 15 27 3945.0 7.32 184.67
 100.00 2 58 59 1991.50 -21.59 24.25 352.85 111.19 3 32 11 1391.5 -18.52 16.80
 100.00 16 18 18 4291.50 11.78 172.40 350.98 62.33 17 29 49 3691.5 7.98 165.67
 110.00 4 13 31 1758.22 -23.95 5.45 351.76 115.16 4 42 50 1158.2 -20.36 358.14
 110.00 17 20 15 4097.54 14.00 156.38 349.68 58.49 18 28 32 3497.5 9.73 149.88

DIFFERENTIAL CORRECTIONS

TDE .0609 TRA -.4366 TC3 -.9636 BAU .3001
 RDE -.1698 RRA -.2250 RC3-1.7927 FAU .17184
 FDE -.3926 FRA-1.3573 FC-13.4860 BSP 4548
 BDE .1804 BRA .4912 BC3 2.0352 FSP -2529

MID-COURSE EXECUTION ACCURACY

SGT 996.9 SGR 1286.9 SG3 802.4
 RRT .8004 RRF .9860 RTF .8041
 SGB 1627.9 R23 .1996 R13 .9659
 SG1 1550.4 SG2 496.1 THA 53.94

ORBIT DETERMINATION ACCURACY

ST 251.0 SR 317.5 SS 290.5
 CRT -.0440 CRS -.9023 CST -.3706
 LSA 422.4 MSA 262.8 SSA 27.3
 EL1 318.0 EL2 250.3 ALF 95.25

LAUNCH DATE JUN 28 1967

FLIGHT TIME 122.00

ARRIVAL DATE OCT 28 1967

HELIOCENTRIC CONIC

DISTANCE 341.823

RL 152.08 LAL .00 LOL 275.63 VL 27.097 GAL -4.75 AZL 90.85 HCA 154.58 SMA 131.26 ECC .17846 INC .8503 V1 29.295
 RP 107.85 LAP -.37 LOP 70.21 VP 38.079 GAP -.38 AZP 89.23 TAL 202.91 TAP 357.49 RCA 107.84 APO 154.69 V2 35.137
 RC 88.880 GL -7.03 GP -30.82 ZAL 134.69 ZAP 89.24 ETS .81 ZAE 152.26 ETE 255.60 ZAC 109.37 ETC 5.72 CLP -89.12

PLANETOCENTRIC CONIC

C3 10.731 VHL 3.276 DLA 7.98 RAL 140.66 RAD 6567.4 VEL 11.494 PTH 2.00 VHP 3.380 DPA -18.02 RAP 152.10 ECC 1.1766
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 22 39 2326.17 -22.11 48.68 354.52 108.15 2 1 25 1726.2 -19.42 41.03
 90.00 15 20 59 4470.31 8.65 187.18 352.14 62.93 16 35 29 3870.3 4.95 180.45
 100.00 2 47 51 2051.40 -23.01 28.13 354.19 109.62 3 22 2 1451.4 -20.13 20.53
 100.00 16 38 29 4220.32 9.49 168.35 351.69 61.52 17 48 49 3620.3 5.62 161.70
 110.00 4 4 53 1810.34 -25.41 8.79 353.14 113.67 4 35 3 1210.3 -21.99 1.30
 110.00 17 37 56 4034.15 11.72 152.89 350.36 57.66 18 45 10 3434.1 7.37 146.50

DIFFERENTIAL CORRECTIONS

TDE .0730 TRA -.4647 TC3-1.3665 BAU .3537
 RDE -.1301 RRA -.2209 RC3-2.0524 FAU .16523
 FDE -.1595 FRA-1.1800 FC-13.3295 BSP 5350
 BDE .1492 BRA .5146 BC3 2.4657 FSP -2448

MID-COURSE EXECUTION ACCURACY

SGT 1221.3 SGR 1418.5 SG3 776.1
 RRT .8630 RRF .9904 RTF .8654
 SGB 1871.8 R23 .1969 R13 .9709
 SG1 1808.2 SG2 484.0 THA 49.94

ORBIT DETERMINATION ACCURACY

ST 278.7 SR 259.1 SS 214.1
 CRT .0118 CRS -.7753 CST -.6138
 LSA 342.8 MSA 268.6 SSA 30.6
 EL1 278.8 EL2 259.0 ALF 4.62

LAUNCH DATE JUN 28 1967

FLIGHT TIME 124.00

ARRIVAL DATE OCT 30 1967

HELIOCENTRIC CONIC

DISTANCE 348.169

RL 152.08 LAL .00 LOL 275.63 VL 27.089 GAL -4.67 AZL 90.46 HCA 157.80 SMA 131.20 ECC .17826 INC .4618 V1 29.295
 RP 107.82 LAP -.17 LOP 73.44 VP 38.084 GAP .05 AZP 89.57 TAL 202.51 TAP .31 RCA 107.82 APO 154.59 V2 35.149
 RC 91.113 GL -3.87 GP -34.21 ZAL 134.47 ZAP 93.81 ETS 357.93 ZAE 147.75 ETE 249.82 ZAC 111.52 ETC 3.46 CLP -94.61

PLANETOCENTRIC CONIC

C3 10.451 VHL 3.233 DLA 10.82 RAL 142.17 RAD 6567.4 VEL 11.482 PTH 2.00 VHP 3.500 DPA -20.40 RAP 148.84 ECC 1.1720
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 1 5 56 2413.33 -23.84 54.48 356.50 105.75 1 46 9 1813.3 -21.45 46.62
 90.00 15 49 43 4372.42 5.58 181.63 353.38 62.19 17 2 36 3772.4 1.81 174.97
 100.00 2 32 41 2133.54 -24.78 33.59 356.19 107.27 3 8 14 1533.5 -22.19 25.76
 100.00 17 5 39 4127.44 6.44 163.14 352.91 60.75 18 14 27 3527.4 2.49 156.58
 110.00 3 53 12 1881.60 -27.28 13.49 355.21 111.45 4 24 33 1281.6 -24.12 5.75
 110.00 18 1 38 3952.15 8.70 148.46 351.53 56.81 19 7 30 3352.1 4.27 142.17

DIFFERENTIAL CORRECTIONS

TDE .1083 TRA -.4820 TC3-1.7928 BAU .4109
 RDE -.0742 RRA -.2081 RC3-2.3309 FAU .15444
 FDE .1079 FRA -.9576 FC-12.7932 BSP 6229
 BDE .1313 BRA .5250 BC3 2.9406 FSP -2311

MID-COURSE EXECUTION ACCURACY

SGT 1461.8 SGR 1558.7 SG3 730.3
 RRT .8989 RRF .9935 RTF .9006
 SGB 2136.9 R23 .1915 R13 .9751
 SG1 2082.5 SG2 479.3 THA 47.04

ORBIT DETERMINATION ACCURACY

ST 325.7 SR 179.0 SS 183.1
 CRT .0980 CRS -.4101 CST -.9152
 LSA 369.6 MSA 183.3 SSA 38.0
 EL1 326.4 EL2 177.8 ALF 4.39

LAUNCH DATE JUN 28 1967

FLIGHT TIME 126.00

ARRIVAL DATE NOV 1 1967

HELIOCENTRIC CONIC

DISTANCE 354.492

RL 152.08 LAL .00 LOL 275.63 VL 27.078 GAL -4.58 AZL 89.95 HCA 161.02 SMA 131.12 ECC .17819 INC .0297 V1 29.295
 RP 107.78 LAP .02 LOP 76.66 VP 38.086 GAP .46 AZP 90.05 TAL 202.04 TAP 3.06 RCA 107.76 APO 154.49 V2 35.160
 RC 93.352 GL .42 GP -38.25 ZAL 133.94 ZAP 97.80 ETS 354.50 ZAE 142.57 ETE 245.79 ZAC 113.33 ETC .74 CLP -99.95

PLANETOCENTRIC CONIC

C3 10.237 VHL 3.200 DLA 14.68 RAL 144.21 RAD 6567.4 VEL 11.473 PTH 1.99 VHP 3.693 DPA -23.46 RAP 145.46 ECC 1.1685
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 0 40 56 2540.94 -25.92 63.25 359.53 101.82 1 23 17 1940.9 -24.03 55.09
 90.00 16 31 0 4236.48 1.22 174.02 355.55 61.71 17 41 36 3636.5 -2.58 167.39
 100.00 2 10 10 2253.16 -26.95 41.82 359.27 103.45 2 47 43 1653.2 -24.83 33.66
 100.00 17 44 27 3999.50 2.14 156.08 355.04 60.18 18 51 6 3399.5 -1.85 149.56
 110.00 3 36 3 1984.44 -29.64 20.56 358.42 107.87 4 9 7 1384.4 -26.91 12.43
 110.00 18 35 3 3840.98 4.51 142.58 353.56 56.08 19 39 4 3241.0 .03 136.37

DIFFERENTIAL CORRECTIONS

TOE .1793 TRA -.4818 TC3-2.2240 BAU .4697
 RDE .0076 RRA -.1814 RC3-2.6133 FAU .13913
 FDE .4085 FRA -.6923 FC-11.7656 BSP 7141
 BDE .1795 BRA .5148 BC3 3.4315 FSP -2101

MID-COURSE EXECUTION ACCURACY

SGT 1709.9 SGR 1705.7 SG3 662.9
 RRT .9201 RRF .9957 RTF .9218
 SGB 2415.2 R23 .1856 R13 .9784
 SG1 2366.5 S02 482.6 THA 44.92

ORBIT DETERMINATION ACCURACY

ST 420.2 SR 113.3 SS 273.4
 CRT .7030 CRS -.6184 CST -.9652
 LSA 503.8 MSA 87.3 SSA 52.2
 EL1 427.9 EL2 79.1 ALF 11.12

LAUNCH DATE JUN 28 1967

FLIGHT TIME 128.00

ARRIVAL DATE NOV 3 1967

HELIOCENTRIC CONIC

DISTANCE 360.792

RL 152.08 LAL .00 LOL 275.63 VL 27.063 GAL -4.48 AZL 89.24 HCA 164.25 SMA 131.02 ECC .17824 INC .7628 V1 29.295
 RP 107.75 LAP .21 LOP 79.88 VP 38.085 GAP .87 AZP 90.74 TAL 201.49 TAP 5.74 RCA 107.67 APO 154.37 V2 35.170
 RC 95.596 GL 6.46 GP -43.22 ZAL 132.79 ZAP 100.98 ETS 350.39 ZAE 136.60 ETE 243.09 ZAC 114.68 ETC 357.41 CLP -105.15

PLANETOCENTRIC CONIC

C3 10.209 VHL 3.195 DLA 20.12 RAL 147.10 RAD 6567.4 VEL 11.472 PTH 1.99 VHP 3.998 DPA -27.45 RAP 141.78 ECC 1.1680
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 23 53 42 2748.79 -27.96 78.10 4.39 94.67 24 39 31 2148.8 -27.02 69.56
 90.00 17 37 20 4027.53 -5.50 162.33 359.62 62.18 18 44 27 3427.5 -9.18 155.59
 100.00 1 31 55 2444.76 -29.23 55.59 4.25 96.57 2 12 40 1844.8 -28.01 47.00
 100.00 18 45 44 3806.79 -4.38 145.49 359.01 60.40 19 49 10 3206.8 -8.29 138.89
 110.00 3 7 52 2144.58 -32.41 32.20 3.66 101.51 3 43 36 1544.6 -30.49 23.51
 110.00 19 26 16 3679.74 -1.65 134.16 357.30 55.85 20 27 36 3079.7 -6.12 127.92

DIFFERENTIAL CORRECTIONS

TOE .3081 TRA -.4548 TC3-2.6168 BAU .5295
 RDE .1303 RRA -.1344 RC3-2.8642 FAU .11948
 FDE .7246 FRA -.4011 FC-10.1318 BSP 8115
 BDE .3345 BRA .4743 BC3 3.8796 FSP -1834

MID-COURSE EXECUTION ACCURACY

SGT 1963.7 SGR 1863.0 SG3 574.4
 RRT .9329 RRF .9973 RTF .9353
 SGB 2706.8 R23 .1790 R13 .9812
 SG1 2661.1 S02 495.1 THA 43.38

ORBIT DETERMINATION ACCURACY

ST 612.9 SR 252.0 SS 460.7
 CRT .9833 CRS -.9874 CST -.9634
 LSA 800.5 MSA 100.5 SSA 24.6
 EL1 661.3 EL2 42.5 ALF 22.11

LAUNCH DATE JUN 28 1967

FLIGHT TIME 130.00

ARRIVAL DATE NOV 5 1967

HELIOCENTRIC CONIC

DISTANCE 367.067

RL 152.08 LAL .00 LOL 275.63 VL 27.045 GAL -4.36 AZL 88.17 HCA 167.47 SMA 130.90 ECC .17839 INC 1.8342 V1 29.295
 RP 107.72 LAP .40 LOP 83.11 VP 38.082 GAP 1.26 AZP 91.79 TAL 200.87 TAP 8.34 RCA 107.55 APO 154.25 V2 35.180
 RC 97.843 GL 15.30 GP -49.56 ZAL 130.28 ZAP 103.02 ETS 345.41 ZAE 129.56 ETE 241.32 ZAC 115.38 ETC 353.26 CLP -110.33

PLANETOCENTRIC CONIC

C3 10.706 VHL 3.272 DLA 28.04 RAL 151.52 RAD 6567.4 VEL 11.493 PTH 2.00 VHP 4.501 DPA -32.73 RAP 137.44 ECC 1.1762
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 21 37 48 3285.34 -24.81 116.66 11.13 75.89 22 32 33 2685.3 -26.50 108.41
 90.00 20 28 34 3510.17 -20.26 131.56 9.61 69.78 21 27 4 2910.2 -22.83 123.83
 100.00 23 52 38 2850.64 -28.61 85.55 12.01 80.95 24 40 9 2250.6 -29.57 76.88
 100.00 20 56 24 3420.10 -16.67 123.37 8.03 64.83 21 53 24 2820.1 -19.93 116.09
 110.00 2 9 40 2434.07 -34.15 54.53 12.61 88.46 2 50 14 1834.1 -33.99 45.28
 110.00 20 59 48 3409.44 -11.79 119.81 5.27 57.68 21 56 37 2809.4 -15.98 113.20

DIFFERENTIAL CORRECTIONS

TOE .5439 TRA -.3800 TC3-2.8465 BAU .5867
 RDE .3271 RRA -.0481 RC3-2.9502 FAU .09501
 FDE 1.0391 FRA -.0897 FC3-7.6832 BSP 9056
 BDE .6347 BRA .3830 BC3 4.0996 FSP -1480

MID-COURSE EXECUTION ACCURACY

SGT 2223.8 SGR 2016.0 SG3 462.2
 RRT .9399 RRF .9982 RTF .9442
 SGB 3001.6 R23 .1732 R13 .9832
 SG1 2956.6 S02 517.8 THA 42.02

ORBIT DETERMINATION ACCURACY

ST 980.5 SR 576.5 SS 710.4
 CRT .9824 CRS -.9996 CST -.9791
 LSA 1334.5 MSA 132.3 SSA 9.4
 EL1 1133.6 EL2 93.1 ALF 30.24

LAUNCH DATE JUN 28 1967

FLIGHT TIME 132.00

ARRIVAL DATE NOV 7 1967

HELIOCENTRIC CONIC

DISTANCE 373.314

RL 152.08 LAL .00 LOL 275.63 VL 27.025 GAL -4.24 AZL 86.37 HCA 170.69 SMA 130.75 ECC .17864 INC 3.6315 V1 29.295
 RP 107.69 LAP .59 LOP 86.34 VP 38.076 GAP 1.64 AZP 93.58 TAL 200.19 TAP 10.87 RCA 107.39 APO 154.11 V2 35.190
 RC 100.092 GL 28.40 GP -57.88 ZAL 124.91 ZAP 103.42 ETS 339.26 ZAE 120.91 ETE 239.86 ZAC 115.17 ETC 347.84 CLP -115.89

PLANETOCENTRIC CONIC

C3 12.889 VHL 3.590 DLA 39.56 RAL 159.25 RAD 6567.5 VEL 11.588 PTH 2.03 VHP 5.421 DPA -39.72 RAP 131.58 ECC 1.2121
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 61.14 18 17 29 4051.21 -30.08 177.29 24.75 62.99 19 25 0 3451.2 -33.43 169.17
 118.86 0 54 28 2822.02 -30.07 83.89 24.74 62.98 1 41 30 2222.0 -33.42 75.77
 61.14 18 17 29 4051.21 -30.08 177.29 24.75 62.99 19 25 0 3451.2 -33.43 169.17
 118.86 0 54 28 2822.02 -30.07 83.89 24.74 62.98 1 41 30 2222.0 -33.42 75.77
 61.14 18 17 29 4051.21 -30.08 177.29 24.75 62.99 19 25 0 3451.2 -33.43 169.17
 118.86 0 54 28 2822.02 -30.07 83.89 24.74 62.98 1 41 30 2222.0 -33.42 75.77

DIFFERENTIAL CORRECTIONS

TOE 1.0018 TRA -.2108 TC3-2.6326 BAU .6362
 RDE .6476 RRA .1099 RC3-2.5883 FAU .06675
 FDE 1.2761 FRA .1997 FC3-4.4836 BSP 10003
 BDE 1.1928 BRA .2377 BC3 3.6919 FSP -1072

MID-COURSE EXECUTION ACCURACY

SGT 2513.9 SGR 2138.6 SG3 331.1
 RRT .9423 RRF .9984 RTF .9510
 SGB 3300.5 R23 .1676 R13 .9847
 SG1 3253.8 S02 553.1 THA 40.11

ORBIT DETERMINATION ACCURACY

ST 1605.1 SR 1037.2 SS 956.7
 CRT .9890 CRS -1.0000 CST -.9898
 LSA 2131.5 MSA 154.6 SSA 4.2
 EL1 1906.7 EL2 129.3 ALF 32.75

LAUNCH DATE JUN 28 1967

FLIGHT TIME 134.00

ARRIVAL DATE NOV 9 1967

HELIOCENTRIC CONIC

DISTANCE 379.522

RL 152.08 LAL .00 LOL 275.63 VL 27.002 GAL -4.10 AZL 82.70 MCA 173.89 SMA 130.59 ECC .17897 INC 7.2970 V1 29.295
 RP 107.66 LAP .78 LOP 89.57 VP 38.068 GAP 2.01 AZP 97.26 TAL 199.43 TAP 13.31 RCA 107.22 APO 153.97 V2 35.199
 RC 102.344 GL 46.41 GP -69.12 ZAL 114.88 ZAP 101.54 ETS 330.62 ZAE 109.65 ETE 236.73 ZAC 113.70 ETC 339.51 CLP-124.14

PLANETOCENTRIC CONIC

C3 22.313 VHL 4.724 DLA 54.07 RAL 175.43 RAD 6567.9 VEL 11.987 PTH 2.14 VHP 7.464 DPA -48.77 RAP 121.74 ECC 1.3672
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 41.80 18 11 17 4357.84 -33.74 209.31 56.50 44.88 19 23 55 3757.8 -39.20 202.45
 138.20 3 9 46 2767.56 -33.73 81.94 56.48 44.88 3 55 54 2167.6 -39.19 75.08
 41.80 18 11 17 4357.84 -33.74 209.31 56.50 44.88 19 23 55 3757.8 -39.20 202.45
 138.20 3 9 46 2767.56 -33.73 81.94 56.48 44.88 3 55 54 2167.6 -39.19 75.08
 41.80 18 11 17 4357.84 -33.74 209.31 56.50 44.88 19 23 55 3757.8 -39.20 202.45
 138.20 3 9 46 2767.56 -33.73 81.94 56.48 44.88 3 55 54 2167.6 -39.19 75.08

DIFFERENTIAL CORRECTIONS

TDE 2.0021 TRA .2261 TC3-1.6256 BAU .6448
 RDE 1.0887 RRA .4393 RC3-1.4247 FAU .03656
 FDE 1.2919 FRA .4388 FC3-1.4186 BSP 10668
 BDE 2.2789 BRA .4941 BC3 2.1615 FSP -628

MID-COURSE EXECUTION ACCURACY

SGT 2911.0 SGR 2092.8 SG3 194.6
 RRT .9353 RRF .9963 RTF .9588
 SGB 3585.2 R23 .1634 R13 .9857
 SG1 3532.9 SG2 610.1 THA 35.12

ORBIT DETERMINATION ACCURACY

ST 2432.9 SR 1348.9 SS 1026.0
 CRT .9893 CRS -.9995 CST -.9935
 LSA 2959.0 MSA 188.6 SSA 2.1
 EL1 2776.5 EL2 172.1 ALF 28.87

LAUNCH DATE JUN 28 1967

FLIGHT TIME 136.00

ARRIVAL DATE NOV 11 1967

HELIOCENTRIC CONIC

DISTANCE 385.627

RL 152.08 LAL .00 LOL 275.63 VL 26.977 GAL -3.93 AZL 71.25 MCA 177.01 SMA 130.42 ECC .17930 INC18.7463 V1 29.295
 RP 107.63 LAP .96 LOP 92.80 VP 38.059 GAP 2.35 AZP 108.72 TAL 198.54 TAP 15.55 RCA 107.03 APO 153.80 V2 35.208
 RC 104.596 GL 63.78 GP -83.16 ZAL 101.41 ZAP 96.83 ETS 294.14 ZAE 92.67 ETE 205.32 ZAC 110.97 ETC 301.91 CLP-178.14

PLANETOCENTRIC CONIC

C3 92.976 VHL 9.642 DLA 62.36 RAL 207.19 RAD 6569.8 VEL 14.640 PTH 2.65 VHP 14.335 DPA -58.71 RAP 97.39 ECC 2.5302
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 31.80 19 51 37 4757.57 -17.28 233.82 107.83 29.06 21 10 55 4157.6 -24.22 229.99
 148.20 5 42 45 3064.80 -17.27 93.67 107.81 29.06 6 33 50 2464.8 -24.21 89.84
 31.80 19 51 37 4757.57 -17.28 233.82 107.83 29.06 21 10 55 4157.6 -24.22 229.99
 148.20 5 42 45 3064.80 -17.27 93.67 107.81 29.06 6 33 50 2464.8 -24.21 89.84
 31.80 19 51 37 4757.57 -17.28 233.82 107.83 29.06 21 10 55 4157.6 -24.22 229.99
 148.20 5 42 45 3064.80 -17.27 93.67 107.81 29.06 6 33 50 2464.8 -24.21 89.84

DIFFERENTIAL CORRECTIONS

TDE 3.8972 TRA 2.2710 TC3 -.2826 BAU .3617
 RDE -.7745 RRA .3429 RC3 -.0694 FAU .00865
 FDE .8886 FRA .6847 FC3 -.0805 BSP 10520
 BDE 3.9734 BRA 2.2967 BC3 .2910 FSP -267

MID-COURSE EXECUTION ACCURACY

SGT 3758.1 SGR 650.2 SG3 89.5
 RRT .1168 RRF .2423 RTF .9917
 SGB 3813.9 R23 .1238 R13 .9921
 SG1 3758.9 SG2 645.6 THA 1.19

ORBIT DETERMINATION ACCURACY

ST 2474.8 SR 478.7 SS 730.7
 CRT -.8024 CRS .7375 CST -.9948
 LSA 2607.9 MSA 294.4 SSA .7
 EL1 2504.8 EL2 282.3 ALF 171.06

LAUNCH DATE JUN 28 1967

FLIGHT TIME 138.00

ARRIVAL DATE NOV 13 1967

HELIOCENTRIC CONIC

DISTANCE 392.864

RL 152.08 LAL .00 LOL 275.63 VL 26.949 GAL -3.98 AZL 160.56 MCA 181.21 SMA 130.23 ECC .18115 INC70.5482 V1 29.295
 RP 107.61 LAP 1.14 LOP 96.04 VP 38.047 GAP 2.99 AZP 19.45 TAL 198.53 TAP 19.74 RCA 106.64 APO 153.82 V2 35.216
 RC 106.849 GL -51.13 GP -59.66 ZAL 93.39 ZAP 92.99 ETS 177.57 ZAE 57.75 ETE 262.49 ZAC 85.91 ETC 161.31 CLP 95.89

PLANETOCENTRIC CONIC

C31060.222 VHL 32.561 DLA -45.67 RAL 153.89 RAD 6573.0 VEL 34.373 PTH 3.51 VHP 40.715 DPA 53.23 RAP 335.79 ECC18.4486
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 52.54 5 22 14 2275.47 -.43 58.61 64.30 135.67 6 0 9 1675.5 5.28 53.42
 127.46 13 6 58 851.52 -.42 308.07 64.32 135.67 13 21 10 251.5 5.30 302.88
 52.54 5 22 14 2275.47 -.43 58.61 64.30 135.67 6 0 9 1675.5 5.28 53.42
 127.46 13 6 58 851.52 -.42 308.07 64.32 135.67 13 21 10 251.5 5.30 302.88
 52.54 5 22 14 2275.47 -.43 58.61 64.30 135.67 6 0 9 1675.5 5.28 53.42
 127.46 13 6 58 851.52 -.42 308.07 64.32 135.67 13 21 10 251.5 5.30 302.88

DIFFERENTIAL CORRECTIONS

TDE 4.6645 TRA 2.5940 TC3 -.0956 BAU 3.5305
 RD-15.4128 RRA-1.4135 RC3 .2300 FAU-.05564
 FDE-3.2914 FRA -.2514 FC3 .0454 BSP 5155
 BDE16.1032 BRA 2.9541 BC3 .2491 FSP -93

MID-COURSE EXECUTION ACCURACY

SGT 1219.6 SGR 3118.7 SG3 56.5
 RRT -.8914 RRF .9993 RTF -.8794
 SGB 3348.7 R23 -.0816 R13 .9963
 SG1 3307.9 SG2 521.1 THA 109.73

ORBIT DETERMINATION ACCURACY

ST 844.1 SR 2714.6 SS 2038.8
 CRT -.9810 CRS -1.0000 CST .9797
 LSA 3494.6 MSA 161.2 SSA 1.7
 EL1 2838.5 EL2 156.4 ALF 107.02

LAUNCH DATE JUN 28 1967

FLIGHT TIME 140.00

ARRIVAL DATE NOV 15 1967

HELIOCENTRIC CONIC

DISTANCE 398.433

RL 152.08 LAL .00 LOL 275.63 VL 26.920 GAL -3.69 AZL 109.97 MCA 183.87 SMA 130.03 ECC .18104 INC19.9676 V1 29.295
 RP 107.59 LAP 1.32 LOP 99.27 VP 38.033 GAP 3.18 AZP 70.07 TAL 197.14 TAP 21.01 RCA 106.49 APO 153.57 V2 35.223
 RC 109.101 GL -64.25 GP -77.15 ZAL 100.13 ZAP 101.45 ETS 74.69 ZAE 94.65 ETE .161.68 ZAC 85.62 ETC 62.73 CLP-153.15

PLANETOCENTRIC CONIC

C3 103.748 VHL 10.186 DLA -50.56 RAL 130.49 RAD 6570.0 VEL 15.003 PTH 2.70 VHP 11.258 DPA 75.50 RAP 252.61 ECC 2.7074
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 46.19 3 27 8 2056.22 13.78 52.91 28.83 139.14 4 1 24 1456.2 19.76 47.78
 133.81 11 55 21 5813.29 13.80 269.83 28.85 139.14 13 32 15 5213.3 19.78 264.69
 46.19 3 27 8 2056.22 13.78 52.91 28.83 139.14 4 1 24 1456.2 19.76 47.78
 133.81 11 55 21 5813.29 13.80 269.83 28.85 139.14 13 32 15 5213.3 19.78 264.69
 46.19 3 27 8 2056.22 13.78 52.91 28.83 139.14 4 1 24 1456.2 19.76 47.78
 133.81 11 55 21 5813.29 13.80 269.83 28.85 139.14 13 32 15 5213.3 19.78 264.69

DIFFERENTIAL CORRECTIONS

TDE-5.4818 TRA-2.5938 TC3 -.2295 BAU .3192
 RDE .6121 RRA -.5552 RC3 .0173 FAU .01253
 FDE-2.1422 FRA -.7580 FC3 -.1045 BSP 11458
 BDE 5.5159 BRA 2.6525 BC3 .2301 FSP -360

MID-COURSE EXECUTION ACCURACY

SGT 3873.1 SGR 601.2 SG3 120.6
 RRT .0218 RRF -.1102 RTF .9909
 SGB 3919.5 R23 -.1324 R13 .9909
 SG1 3873.1 SG2 601.1 THA .20

ORBIT DETERMINATION ACCURACY

ST 3159.6 SR 374.6 SS 1188.3
 CRT -.8113 CRS .8418 CST -.9985
 LSA 3389.0 MSA 224.3 SSA 1.0
 EL1 3174.3 EL2 218.0 ALF 174.48

LAUNCH DATE JUN 28 1967

FLIGHT TIME 142.00

ARRIVAL DATE NOV 17 1967

HELIOCENTRIC CONIC

DISTANCE 404.522

RL 152.08 LAL .00 LOL 275.63 VL 26.890 GAL -3.50 AZL 102.30 HCA 187.04 SMA 129.82 ECC .18171 INC12.3024 V1 29.295
 RP 107.57 LAP 1.50 LOP 102.51 VP 38.017 GAP 3.51 AZP 77.79 TAL 196.14 TAP 23.18 RCA 106.23 APO 153.41 V2 35.230
 RC 111.351 GL -58.45 GP 61.32 ZAL 104.68 ZAP 110.73 ETS 46.66 ZAE 109.10 ETE 138.51 ZAC 91.13 ETC 36.11 CLP-137.54

PLANETOCENTRIC CONIC

C3 45.036 VHL 6.711 DLA -44.38 RAL 132.24 RAD 6568.7 VEL 12.900 PTH 2.35 VHP 6.889 DPA 68.80 RAP 199.03 ECC 1.7412
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 54.28 4 2 25 1789.13 21.33 35.05 18.70 129.89 4 32 14 1189.1 26.32 28.62
 125.72 11 34 0 5687.42 21.35 265.57 18.71 129.88 13 8 48 5087.4 26.33 259.14
 54.28 4 2 25 1789.13 21.33 35.05 18.70 129.89 4 32 14 1189.1 26.32 28.62
 125.72 11 34 0 5687.42 21.35 265.57 18.71 129.88 13 8 48 5087.4 26.33 259.14
 54.28 4 2 25 1789.13 21.33 35.05 18.70 129.89 4 32 14 1189.1 26.32 28.62
 125.72 11 34 0 5687.42 21.35 265.57 18.71 129.88 13 8 48 5087.4 26.33 259.14

DIFFERENTIAL CORRECTIONS

TDE-3.0120 TRA-1.9300 TC3 -.9107 BAU .5905
 RDE 1.5886 RRA .3674 RC3 .3638 FAU .03931
 FDE-2.6313 FRA -.9728 FC3 -.7557 BSP 12154
 BDE 3.4052 BRA 1.9646 BC3 .9807 FSP -743

MID-COURSE EXECUTION ACCURACY

SGT 3663.5 SGR 1506.8 SG3 235.4
 RRT -.9232 RRF -.9868 RTF .9712
 SGB 3961.3 R23 .1826 R13 -.9823
 SG1 3924.2 SG2 540.7 THA 158.79

ORBIT DETERMINATION ACCURACY

ST 2663.2 SR 1362.7 SS 1353.3
 CRT -.9863 CRS .9984 CST -.9941
 LSA 3276.0 MSA 220.9 SSA 1.8
 EL1 2984.8 EL2 200.9 ALF 153.09

LAUNCH DATE JUN 28 1967

FLIGHT TIME 144.00

ARRIVAL DATE NOV 19 1967

HELIOCENTRIC CONIC

DISTANCE 410.644

RL 152.08 LAL .00 LOL 275.63 VL 26.857 GAL -3.31 AZL 99.40 HCA 190.25 SMA 129.60 ECC .18253 INC 9.4004 V1 29.295
 RP 107.55 LAP 1.67 LOP 105.75 VP 38.000 GAP 3.84 AZP 80.75 TAL 195.13 TAP 25.39 RCA 105.94 APO 153.26 V2 35.236
 RC 113.598 GL -53.28 GP 49.05 ZAL 107.13 ZAP 118.76 ETS 40.93 ZAE 118.26 ETE 139.94 ZAC 95.81 ETC 31.30 CLP-137.23

PLANETOCENTRIC CONIC

C3 29.852 VHL 5.464 DLA -39.72 RAL 135.30 RAD 6568.2 VEL 12.297 PTH 2.21 VHP 5.505 DPA 59.01 RAP 181.21 ECC 1.4913
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 60.89 4 42 37 1608.76 23.39 20.94 13.92 123.07 5 9 26 1008.8 27.57 13.80
 119.11 11 18 14 5660.37 23.40 264.85 13.93 123.06 12 52 35 5060.4 27.58 257.70
 60.89 4 42 37 1608.76 23.39 20.94 13.92 123.07 5 9 26 1008.8 27.57 13.80
 119.11 11 18 14 5660.37 23.40 264.85 13.93 123.06 12 52 35 5060.4 27.58 257.70
 60.89 4 42 37 1608.76 23.39 20.94 13.92 123.07 5 9 26 1008.8 27.57 13.80
 119.11 11 18 14 5660.37 23.40 264.85 13.93 123.06 12 52 35 5060.4 27.58 257.70

DIFFERENTIAL CORRECTIONS

TDE-2.3671 TRA-1.6162 TC3-1.5492 BAU .6558
 RDE 1.1261 RRA .2819 RC3 .5482 FAU .06124
 FDE-2.9545 FRA -1.0427 FC3-1.7759 BSP 12221
 BDE 2.6213 BRA 1.6406 BC3 1.6433 FSP -1079

MID-COURSE EXECUTION ACCURACY

SGT 3726.0 SGR 1378.8 SG3 338.9
 RRT -.9328 RRF -.9925 RTF .9653
 SGB 3973.0 R23 .2148 R13 -.9751
 SG1 3945.1 SG2 469.2 THA 160.67

ORBIT DETERMINATION ACCURACY

ST 2569.3 SR 1186.6 SS 1487.7
 CRT -.9867 CRS .9992 CST -.9924
 LSA 3190.1 MSA 215.2 SSA 2.5
 EL1 2824.7 EL2 175.1 ALF 155.40

LAUNCH DATE JUN 28 1967

FLIGHT TIME 146.00

ARRIVAL DATE NOV 21 1967

HELIOCENTRIC CONIC

DISTANCE 416.761

RL 152.08 LAL .00 LOL 275.63 VL 26.824 GAL -3.11 AZL 97.88 HCA 193.48 SMA 129.37 ECC .18348 INC 7.8754 V1 29.295
 RP 107.53 LAP 1.83 LOP 108.99 VP 37.981 GAP 4.18 AZP 82.34 TAL 194.10 TAP 27.58 RCA 105.64 APO 153.11 V2 35.241
 RC 115.842 GL -49.34 GP 39.84 ZAL 108.25 ZAP 125.26 ETS 37.43 ZAE 124.03 ETE 144.36 ZAC 99.11 ETC 28.54 CLP-138.75

PLANETOCENTRIC CONIC

C3 23.402 VHL 4.838 DLA -36.47 RAL 138.18 RAD 6567.9 VEL 12.032 PTH 2.15 VHP 4.950 DPA 50.76 RAP 173.75 ECC 1.3851
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 66.00 5 19 33 1474.70 23.67 10.10 11.77 118.58 5 44 7 874.7 27.30 2.61
 114.00 11 4 15 5673.89 23.69 266.15 11.78 118.57 12 38 49 5073.9 27.31 258.66
 66.00 5 19 33 1474.70 23.67 10.10 11.77 118.58 5 44 7 874.7 27.30 2.61
 114.00 11 4 15 5673.89 23.69 266.15 11.78 118.57 12 38 49 5073.9 27.31 258.66
 66.00 5 19 33 1474.70 23.67 10.10 11.77 118.58 5 44 7 874.7 27.30 2.61
 114.00 11 4 15 5673.89 23.69 266.15 11.78 118.57 12 38 49 5073.9 27.31 258.66

DIFFERENTIAL CORRECTIONS

TDE-2.0985 TRA-1.4548 TC3-2.1495 BAU .6982
 RDE .8238 RRA .1953 RC3 .5999 FAU .07677
 FDE-3.0522 FRA -1.0100 FC3-2.8399 BSP 12768
 BDE 2.2544 BRA 1.4679 BC3 2.2316 FSP -1360

MID-COURSE EXECUTION ACCURACY

SGT 3885.0 SGR 1171.2 SG3 412.8
 RRT -.9338 RRF -.9918 RTF .9635
 SGB 4057.7 R23 .2297 R13 -.9705
 SG1 4037.6 SG2 403.3 THA 164.12

ORBIT DETERMINATION ACCURACY

ST 2568.0 SR 979.6 SS 1558.1
 CRT -.9864 CRS .9994 CST -.9915
 LSA 3152.4 MSA 211.2 SSA 3.3
 EL1 2744.4 EL2 150.5 ALF 159.31

LAUNCH DATE JUN 28 1967

FLIGHT TIME 148.00

ARRIVAL DATE NOV 23 1967

HELIOCENTRIC CONIC

DISTANCE 422.871

RL 152.08 LAL .00 LOL 275.63 VL 26.789 GAL -2.90 AZL 96.93 HCA 196.72 SMA 129.14 ECC .18452 INC 6.9314 V1 29.295
 RP 107.52 LAP 1.99 LOP 112.24 VP 37.961 GAP 4.51 AZP 83.36 TAL 193.03 TAP 29.75 RCA 105.31 APO 152.96 V2 35.246
 RC 118.080 GL -46.34 GP 32.95 ZAL 108.49 ZAP 130.47 ETS 34.65 ZAE 127.50 ETE 149.15 ZAC 101.20 ETC 26.35 CLP-140.67

PLANETOCENTRIC CONIC

C3 19.917 VHL 4.463 DLA -34.20 RAL 140.84 RAD 6567.8 VEL 11.887 PTH 2.11 VHP 4.720 DPA 44.25 RAP 170.07 ECC 1.3278
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 69.96 5 52 40 1368.30 23.49 1.56 11.09 115.61 6 15 28 768.3 26.73 353.90
 110.04 10 52 26 5702.51 23.50 268.31 11.10 115.60 12 27 29 5102.5 26.74 260.65
 69.96 5 52 40 1368.30 23.49 1.56 11.09 115.61 6 15 28 768.3 26.73 353.90
 110.04 10 52 26 5702.51 23.50 268.31 11.10 115.60 12 27 29 5102.5 26.74 260.65
 69.96 5 52 40 1368.30 23.49 1.56 11.09 115.61 6 15 28 768.3 26.73 353.90
 110.04 10 52 26 5702.51 23.50 268.31 11.10 115.60 12 27 29 5102.5 26.74 260.65

DIFFERENTIAL CORRECTIONS

TDE-1.9204 TRA-1.3005 TC3-2.6073 BAU .7085
 RDE .6101 RRA .1142 RC3 .5320 FAU .08120
 FDE-2.9061 FRA -.8143 FC3-3.5298 BSP 12240
 BDE 2.0150 BRA 1.3055 BC3 2.6610 FSP -1353

MID-COURSE EXECUTION ACCURACY

SGT 3945.9 SGR 932.9 SG3 435.8
 RRT -.9220 RRF -.9865 RTF .9587
 SGB 4054.7 R23 .2464 R13 -.9636
 SG1 4039.3 SG2 353.0 THA 167.61

ORBIT DETERMINATION ACCURACY

ST 2539.8 SR 785.2 SS 1529.8
 CRT -.9850 CRS .9994 CST -.9903
 LSA 3060.0 MSA 209.7 SSA 4.3
 EL1 2655.2 EL2 129.5 ALF 163.02

LAUNCH DATE JUN 28 1967

FLIGHT TIME 150.00

ARRIVAL DATE NOV 25 1967

HELIOCENTRIC CONIC

DISTANCE 428.962

RL 152.08 LAL .00 LOL 275.63 VL 26.753 GAL -2.69 AZL 96.29 HCA 199.96 SMA 128.90 ECC .18568 INC 6.2865 V1 29.295
 RP 107.50 LAP 2.14 LOP 115.48 VP 37.939 GAP 4.84 AZP 84.09 TAL 191.93 TAP 31.89 RCA 104.96 APO 152.83 V2 35.250
 RC 120.312 GL -43.99 GP 27.74 ZAL 108.15 ZAP 134.72 ETS 32.32 ZAE 129.49 ETE 153.55 ZAC 102.38 ETC 24.48 CLP-142.66

PLANETOCENTRIC CONIC

C3 17.751 VHL 4.213 DLA -32.63 RAL 143.39 RAD 6567.7 VEL 11.795 PTH 2.09 VHP 4.643 DPA 39.12 RAP 168.18 ECC 1.2921
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.06 6 22 10 1281.71 23.22 354.73 11.29 113.59 6 43 32 681.7 26.21 346.97
 106.94 10 43 14 5734.93 23.24 270.69 11.30 113.58 12 18 48 5134.9 26.22 262.93
 73.06 6 22 10 1281.71 23.22 354.73 11.29 113.59 6 43 32 681.7 26.21 346.97
 106.94 10 43 14 5734.93 23.24 270.69 11.30 113.58 12 18 48 5134.9 26.22 262.93
 110.00 9 44 37 627.76 16.67 303.17 7.75 120.28 9 55 5 27.8 20.57 296.21
 110.00 12 19 57 5436.88 30.13 250.53 14.15 106.97 13 50 34 4836.9 32.15 241.90

DIFFERENTIAL CORRECTIONS

TDE-1.8437 TRA-1.2041 TC3-3.0790 BAU .7390
 RDE .4849 RRA .0746 RC3 .4654 FAU .08455
 FDE-2.7753 FRA -.6701 FC3-4.1235 BSP 12752
 BDE 1.9064 BRA 1.2064 BC3 3.1140 FSP -1434

MID-COURSE EXECUTION ACCURACY

SGT 4098.6 SGR 776.6 SG3 453.0
 RRT -.9127 RRF -.9779 RTF .9578
 SGB 4171.5 R23 .2413 R13 -.9610
 SG1 4159.8 SG2 312.7 THA 170.13

ORBIT DETERMINATION ACCURACY

ST 2575.4 SR 660.5 SS 1520.2
 CRT -.9849 CRS .9995 CST -.9898
 LSA 3055.7 MSA 206.4 SSA 5.3
 EL1 2656.4 EL2 111.0 ALF 165.80

LAUNCH DATE JUN 28 1967

FLIGHT TIME 152.00

ARRIVAL DATE NOV 27 1967

HELIOCENTRIC CONIC

DISTANCE 435.038

RL 152.08 LAL .00 LOL 275.63 VL 26.716 GAL -2.46 AZL 95.82 HCA 203.20 SMA 128.65 ECC .18694 INC 5.8155 V1 29.295
 RP 107.49 LAP 2.29 LOP 118.73 VP 37.916 GAP 5.17 AZP 84.65 TAL 190.80 TAP 34.00 RCA 104.60 APO 152.70 V2 35.253
 RC 122.538 GL -42.09 GP 23.74 ZAL 107.36 ZAP 138.28 ETS 30.36 ZAE 130.56 ETE 157.33 ZAC 102.86 ETC 22.88 CLP-144.63

PLANETOCENTRIC CONIC

C3 16.278 VHL 4.035 DLA -31.56 RAL 145.88 RAD 6567.7 VEL 11.733 PTH 2.07 VHP 4.647 DPA 35.01 RAP 167.32 ECC 1.2679
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.44 6 48 5 1211.94 23.02 349.32 12.09 112.21 7 8 17 611.9 25.83 341.51
 104.56 10 37 13 5764.79 23.04 272.87 12.10 112.20 12 13 18 5164.8 25.84 265.05
 75.44 6 48 5 1211.94 23.02 349.32 12.09 112.21 7 8 17 611.9 25.83 341.51
 104.56 10 37 13 5764.79 23.04 272.87 12.10 112.20 12 13 18 5164.8 25.84 265.05
 110.00 9 31 32 681.37 14.81 306.21 7.73 121.17 9 42 53 81.4 18.83 299.40
 110.00 12 52 57 5343.36 31.79 243.75 15.25 103.27 14 22 0 4743.4 33.29 234.84

DIFFERENTIAL CORRECTIONS

TDE-1.8014 TRA-1.1126 TC3-3.5014 BAU .7665
 RDE .3997 RRA .0479 RC3 .3838 FAU .08450
 FDE-2.6160 FRA -.5126 FC3-4.4944 BSP 13188
 BDE 1.8452 BRA 1.1136 BC3 3.5223 FSP -1451

MID-COURSE EXECUTION ACCURACY

SGT 4238.6 SGR 651.5 SG3 454.6
 RRT -.8963 RRF -.9627 RTF .9566
 SGB 4288.3 R23 .2285 R13 -.9588
 SG1 4278.8 SG2 286.1 THA 172.12

ORBIT DETERMINATION ACCURACY

ST 2619.4 SR 568.2 SS 1495.7
 CRT -.9851 CRS .9996 CST -.9895
 LSA 3062.7 MSA 203.1 SSA 6.3
 EL1 2678.6 EL2 95.4 ALF 167.92

LAUNCH DATE JUN 28 1967

FLIGHT TIME 154.00

ARRIVAL DATE NOV 29 1967

HELIOCENTRIC CONIC

DISTANCE 441.098

RL 152.08 LAL .00 LOL 275.63 VL 26.678 GAL -2.22 AZL 95.45 HCA 206.44 SMA 128.40 ECC .18831 INC 5.4544 V1 29.295
 RP 107.49 LAP 2.43 LOP 121.98 VP 37.892 GAP 5.50 AZP 85.11 TAL 189.64 TAP 36.08 RCA 104.22 APO 152.58 V2 35.256
 RC 124.755 GL -40.51 GP 20.60 ZAL 106.23 ZAP 141.33 ETS 28.71 ZAE 131.07 ETE 160.50 ZAC 102.84 ETC 21.49 CLP-146.52

PLANETOCENTRIC CONIC

C3 15.215 VHL 3.901 DLA -30.86 RAL 148.38 RAD 6567.6 VEL 11.688 PTH 2.06 VHP 4.698 DPA 31.63 RAP 167.11 ECC 1.2504
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.19 7 10 23 1157.87 22.92 345.20 13.33 111.25 7 29 40 557.9 25.60 337.35
 102.81 10 34 52 5788.30 22.93 274.59 13.34 111.24 12 11 20 5188.3 25.61 266.74
 77.19 7 10 23 1157.87 22.92 345.20 13.33 111.25 7 29 40 557.9 25.60 337.35
 102.81 10 34 52 5788.30 22.93 274.59 13.34 111.24 12 11 20 5188.3 25.61 266.74
 110.00 9 29 0 706.79 13.91 307.63 8.63 121.55 9 40 47 106.8 17.98 300.88
 110.00 13 15 25 5287.38 32.59 239.58 16.48 100.93 14 43 33 4687.4 33.76 230.54

DIFFERENTIAL CORRECTIONS

TDE-1.7804 TRA-1.0194 TC3-3.8798 BAU .7916
 RDE .3405 RRA .0304 RC3 .3005 FAU .08243
 FDE-2.4520 FRA -.3539 FC3-4.6905 BSP 13550
 BDE 1.8127 BRA 1.0198 BC3 3.8914 FSP -1428

MID-COURSE EXECUTION ACCURACY

SGT 4363.9 SGR 554.9 SG3 446.7
 RRT -.8708 RRF -.9381 RTF .9552
 SGB 4399.0 R23 .2095 R13 -.9567
 SG1 4390.7 SG2 271.2 THA 173.66

ORBIT DETERMINATION ACCURACY

ST 2668.7 SR 500.5 SS 1464.4
 CRT -.9860 CRS .9997 CST -.9892
 LSA 3078.5 MSA 199.5 SSA 7.4
 EL1 2713.9 EL2 82.0 ALF 169.51

LAUNCH DATE JUN 28 1967

FLIGHT TIME 156.00

ARRIVAL DATE DEC 1 1967

HELIOCENTRIC CONIC

DISTANCE 447.140

RL 152.08 LAL .00 LOL 275.63 VL 26.640 GAL -1.97 AZL 95.17 HCA 209.69 SMA 128.14 ECC .18980 INC 5.1671 V1 29.295
 RP 107.48 LAP 2.56 LOP 125.22 VP 37.867 GAP 5.82 AZP 85.51 TAL 188.44 TAP 38.13 RCA 103.82 APO 152.46 V2 35.258
 RC 126.964 GL -39.16 GP 18.09 ZAL 104.83 ZAP 144.00 ETS 27.33 ZAE 131.24 ETE 163.12 ZAC 102.44 ETC 20.28 CLP-148.33

PLANETOCENTRIC CONIC

C3 14.420 VHL 3.797 DLA -30.43 RAL 150.92 RAD 6567.6 VEL 11.654 PTH 2.05 VHP 4.778 DPA 28.79 RAP 167.36 ECC 1.2373
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.35 7 28 58 1119.11 22.90 342.29 14.92 110.61 7 47 37 519.1 25.50 334.41
 101.65 10 36 32 5803.12 22.92 275.70 14.92 110.59 12 13 15 5203.1 25.51 267.82
 78.35 7 28 58 1119.11 22.90 342.29 14.92 110.61 7 47 37 519.1 25.50 334.41
 101.65 10 36 32 5803.12 22.92 275.70 14.92 110.59 12 13 15 5203.1 25.51 267.82
 110.00 9 32 13 717.58 13.52 308.22 10.08 121.70 9 44 11 117.6 17.62 301.51
 110.00 13 32 27 5252.64 33.01 236.96 17.98 99.43 15 0 0 4652.6 33.96 227.85

DIFFERENTIAL CORRECTIONS

TDE-1.7777 TRA -.9256 TC3-4.2277 BAU .8162
 RDE .2997 RRA .0201 RC3 .2231 FAU .07944
 FDE-2.3007 FRA -.2075 FC3-4.7694 BSP 13929
 BDE 1.8028 BRA .9258 BC3 4.2336 FSP -1392

MID-COURSE EXECUTION ACCURACY

SGT 4486.4 SGR 484.2 SG3 434.6
 RRT -.8351 RRF -.9018 RTF .9540
 SGB 4512.5 R23 .1860 R13 -.9550
 SG1 4504.6 SG2 265.3 THA 174.83

ORBIT DETERMINATION ACCURACY

ST 2727.7 SR 452.3 SS 1434.6
 CRT -.9876 CRS .9998 CST -.9891
 LSA 3108.8 MSA 195.5 SSA 8.5
 EL1 2764.0 EL2 70.1 ALF 170.69

LAUNCH DATE JUN 28 1967

FLIGHT TIME 158.00

ARRIVAL DATE DEC 3 1967

HELIOCENTRIC CONIC

DISTANCE 453.166

RL 152.08 LAL .00 LOL 275.63 VL 26.600 GAL -1.70 AZL 94.93 HCA 212.93 SMA 127.89 ECC .19142 INC 4.9318 V1 29.295
 RP 107.48 LAP 2.68 LOP 128.47 VP 37.840 GAP 6.15 AZP 85.86 TAL 187.23 TAP 40.16 RCA 103.41 APO 152.36 V2 35.259
 RC 129.165 GL -37.95 GP 16.07 ZAL 103.20 ZAP 146.38 ETS 26.16 ZAE 131.21 ETE 165.28 ZAC 101.73 ETC 19.22 CLP-150.06

PLANETOCENTRIC CONIC

C3 13.813 VHL 3.717 DLA -30.22 RAL 153.53 RAD 6567.5 VEL 11.628 PTH 2.04 VHP 4.879 DPA 26.35 RAP 167.92 ECC 1.2273
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.98 7 43 59 1094.90 22.97 340.51 16.80 110.19 8 2 14 494.9 25.52 332.60
 101.02 10 42 17 5808.39 22.99 276.12 16.81 110.18 12 19 5 5208.4 25.53 268.22
 78.98 7 43 59 1094.90 22.97 340.51 16.80 110.19 8 2 14 494.9 25.52 332.60
 101.02 10 42 17 5808.39 22.99 276.12 16.81 110.18 12 19 5 5208.4 25.53 268.22
 110.00 9 39 17 719.11 13.47 308.31 11.94 121.72 9 51 16 119.1 17.56 301.59
 110.00 13 46 9 5232.18 33.23 235.40 19.77 98.53 15 13 21 4632.2 34.05 226.26

DIFFERENTIAL CORRECTIONS

TDE-1.7887 TRA -.8279 TC3-4.5464 BAU .8401
 RDE .2714 RRA .0146 RC3 .1536 FAU .07598
 FDE-2.1651 FRA -.0727 FC3-4.7620 BSP 14316
 BDE 1.8092 BRA .8280 BC3 4.5490 FSP -1350

MID-COURSE EXECUTION ACCURACY

SGT 4605.0 SGR 434.5 SG3 420.5
 RRT -.7887 RRF -.8532 RTF .9530
 SGB 4625.4 R23 .1611 R123 -.9537
 SG1 4617.7 SG2 -266.4 THA 175.73

ORBIT DETERMINATION ACCURACY

ST 2794.7 SR 418.5 SS 1407.7
 CRT -.9897 CRS .9997 CST -.9891
 LSA 3151.3 MSA 191.0 SSA 9.6
 EL1 2825.2 EL2 59.2 ALF 171.57

LAUNCH DATE JUN 28 1967

FLIGHT TIME 160.00

ARRIVAL DATE DEC 5 1967

HELIOCENTRIC CONIC

DISTANCE 459.174

RL 152.08 LAL .00 LOL 275.63 VL 26.561 GAL -1.43 AZL 94.73 HCA 216.18 SMA 127.63 ECC .19315 INC 4.7344 V1 29.295
 RP 107.48 LAP 2.79 LOP 131.72 VP 37.813 GAP 6.47 AZP 86.18 TAL 185.98 TAP 42.16 RCA 102.97 APO 152.28 V2 35.259
 RC 131.355 GL -36.86 GP 14.40 ZAL 101.37 ZAP 148.53 ETS 25.19 ZAE 131.05 ETE 167.08 ZAC 100.79 ETC 18.28 CLP-151.71

PLANETOCENTRIC CONIC

C3 13.349 VHL 3.654 DLA -30.17 RAL 156.21 RAD 6567.5 VEL 11.608 PTH 2.03 VHP 4.993 DPA 24.20 RAP 168.74 ECC 1.2197
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.13 7 55 49 1083.87 23.11 339.74 18.95 109.95 8 13 53 483.9 25.62 331.82
 100.87 10 51 52 5804.52 23.12 275.89 18.96 109.94 12 28 37 5204.5 25.63 267.96
 79.13 7 55 49 1083.87 23.11 339.74 18.95 109.95 8 13 53 483.9 25.62 331.82
 100.87 10 51 52 5804.52 23.12 275.89 18.96 109.94 12 28 37 5204.5 25.63 267.96
 110.00 9 49 13 714.22 13.64 308.04 14.14 121.65 10 1 8 114.2 17.73 301.31
 110.00 13 57 38 5222.17 33.33 234.64 21.84 98.09 15 24 40 4622.2 34.08 225.48

DIFFERENTIAL CORRECTIONS

TDE-1.8057 TRA -.7218 TC3-4.8250 BAU .8613
 RDE .2512 RRA .0120 RC3 .0907 FAU .07201
 FDE-2.0360 FRA .0553 FC3-4.6702 BSP 14611
 BDE 1.8231 BRA .7219 BC3 4.8259 FSP -1293

MID-COURSE EXECUTION ACCURACY

SGT 4707.9 SGR 400.1 SG3 403.9
 RRT -.7314 RRF -.7924 RTF .9516
 SGB 4724.8 R23 .1378 R13 -.9521
 SG1 4717.0 SG2 272.3 THA 176.43

ORBIT DETERMINATION ACCURACY

ST 2860.8 SR 394.0 SS 1378.2
 CRT -.9921 CRS .9993 CST -.9892
 LSA 3194.3 MSA 186.2 SSA 10.7
 EL1 2887.4 EL2 48.8 ALF 172.22

LAUNCH DATE JUN-28 1967

FLIGHT TIME 162.00

ARRIVAL DATE DEC 7 1967

HELIOCENTRIC CONIC

DISTANCE 465.163

RL 152.08 LAL .00 LOL 275.63 VL 26.520 GAL -1.14 AZL 94.57 HCA 219.43 SMA 127.36 ECC .19503 INC 4.5654 V1 29.295
 RP 107.48 LAP 2.90 LOP 134.97 VP 37.784 GAP 6.79 AZP 86.47 TAL 184.72 TAP 44.14 RCA 102.52 APO 152.20 V2 35.259
 RC 133.537 GL -35.83 GP 13.01 ZAL 99.36 ZAP 150.49 ETS 24.39 ZAE 130.84 ETE 168.56 ZAC 99.65 ETC 17.45 CLP-153.28

PLANETOCENTRIC CONIC

C3 13.001 VHL 3.606 DLA -30.24 RAL 158.99 RAD 6567.5 VEL 11.593 PTH 2.03 VHP 5.118 DPA 22.28 RAP 169.76 ECC 1.2140
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.91 8 5 15 1083.38 23.30 339.78 21.36 109.85 8 23 19 483.4 25.79 331.84
 101.09 11 4 36 5793.57 23.31 275.14 21.36 109.84 12 41 9 5193.6 25.80 267.20
 78.91 8 5 15 1083.38 23.30 339.78 21.36 109.85 8 23 19 483.4 25.79 331.84
 101.09 11 4 36 5793.57 23.31 275.14 21.36 109.84 12 41 9 5193.6 25.80 267.20
 110.00 10 1 26 704.75 13.98 307.51 16.63 121.52 10 13 11 104.7 18.05 300.76
 110.00 14 7 35 5220.20 33.35 234.49 24.18 98.00 15 34 36 4620.2 34.09 225.32

DIFFERENTIAL CORRECTIONS

TDE-1.8346 TRA -.6125 TC3-5.0818 BAU .8833
 RDE .2380 RRA .0121 RC3 .0374 FAU .06823
 FDE-1.9259 FRA .1679 FC3-4.5434 BSP 14972
 BDE 1.8500 BRA .6126 BC3 5.0819 FSP -1245

MID-COURSE EXECUTION ACCURACY

SGT 4816.4 SGR 379.8 SG3 388.3
 RRT -.6703 RRF -.7258 RTF .9508
 SGB 4831.3 R23 .1162 R13 -.9512
 SG1 4823.1 SG2 281.5 THA 176.96

ORBIT DETERMINATION ACCURACY

ST 2936.8 SR 378.3 SS 1354.6
 CRT -.9946 CRS .9984 CST -.9894
 LSA 3251.2 MSA 181.0 SSA 11.8
 EL1 2960.8 EL2 38.9 ALF 172.70

LAUNCH DATE JUN 28 1967

FLIGHT TIME 164.00

ARRIVAL DATE DEC 9 1967

HELIOCENTRIC CONIC

DISTANCE 471.133

RL 152.08 LAL .00 LOL 275.63 VL 26.480 GAL -.84 AZL 94.42 HCA 222.67 SMA 127.10 ECC .19704 INC 4.4182 V1 29.295
 RP 107.48 LAP 2.99 LOP 138.22 VP 37.754 GAP 7.12 AZP 86.75 TAL 183.43 TAP 46.10 RCA 102.06 APO 152.15 V2 35.257
 RC 135.709 GL -34.83 GP 11.85 ZAL 97.19 ZAP 152.30 ETS 23.73 ZAE 130.59 ETE 169.81 ZAC 98.36 ETC 16.71 CLP-154.78

PLANETOCENTRIC CONIC

C3 12.752 VHL 3.571 DLA -30.41 RAL 161.87 RAD 6567.5 VEL 11.582 PTH 2.03 VHP 5.252 DPA 20.52 RAP 170.93 ECC 1.2099
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.42 8 13 7 1090.72 23.52 340.41 24.00 109.86 8 31 18 490.7 26.01 332.46
 101.58 11 19 42 5777.91 23.53 274.06 24.00 109.84 12 56 0 5177.9 26.02 266.10
 78.42 8 13 7 1090.72 23.52 340.41 24.00 109.86 8 31 18 490.7 26.01 332.46
 101.58 11 19 42 5777.91 23.53 274.06 24.00 109.84 12 56 0 5177.9 26.02 266.10
 110.00 10 15 31 691.99 14.43 306.80 19.40 121.33 10 27 3 92.0 18.47 300.02
 110.00 14 16 29 5224.64 33.30 234.83 26.77 98.20 15 43 34 4624.6 34.08 225.67

DIFFERENTIAL CORRECTIONS

TDE-1.8701 TRA -.4958 TC3-5.3055 BAU .9045
 RDE .2297 RRA .0136 RC3 -.0081 FAU .06448
 FDE-1.8272 FRA .2712 FC3-4.3776 BSP 15338
 BDE 1.8841 BRA .4960 BC3 5.3055 FSP -1200

MID-COURSE EXECUTION ACCURACY

SGT 4920.5 SGR 369.5 SG3 372.9
 RRT -.6091 RRF -.6583 RTF .9502
 SGB 4934.4 R23 .0977 R13 -.9505
 SG1 4925.7 SG2 292.7 THA 177.37

ORBIT DETERMINATION ACCURACY

ST 3015.4 SR 368.6 SS 1332.8
 CRT -.9967 CRS .9969 CST -.9897
 LSA 3312.7 MSA 175.6 SSA 12.9
 EL1 3037.7 EL2 29.6 ALF 173.05

LAUNCH DATE JUN 28 1967

FLIGHT TIME 166.00

ARRIVAL DATE DEC 11 1967

HELIOCENTRIC CONIC

DISTANCE 477.084

RL 152.08 LAL .00 LOL 275.63 VL 26.439 GAL -.53 AZL 94.29 HCA 225.92 SMA 126.84 ECC .19920 INC 4.2881 V1 29.295
 RP 107.49 LAP 3.08 LOP 141.47 VP 37.724 GAP 7.45 AZP 87.01 TAL 182.12 TAP 48.04 RCA 101.57 APO 152.10 V2 35.255
 RC 137.871 GL -33.85 GP 10.86 ZAL 94.87 ZAP 153.98 ETS 23.21 ZAE 130.32 ETE 170.86 ZAC 96.93 ETC 16.05 CLP-156.21

PLANETOCENTRIC CONIC

C3 12.592 VHL 3.549 DLA -30.65 RAL 164.85 RAD 6567.5 VEL 11.575 PTH 2.02 VHP 5.393 DPA 18.89 RAP 172.23 ECC 1.2072
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.76 8 20 15 1103.20 23.76 341.44 26.86 109.95 8 38 38 503.2 26.26 333.47
 102.24 11 36 24 5760.03 23.77 272.82 26.86 109.94 13 12 24 5160.0 26.26 264.84
 77.76 8 20 15 1103.20 23.76 341.44 26.86 109.95 8 38 38 503.2 26.26 333.47
 102.24 11 36 24 5760.03 23.77 272.82 26.86 109.94 13 12 24 5160.0 26.26 264.84
 110.00 10 31 10 676.95 14.96 305.96 22.42 121.10 10 42 27 77.0 18.97 299.14
 110.00 14 24 39 5234.28 33.21 235.56 29.60 98.62 15 51 54 4634.3 34.04 226.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.9097 TRA -.3710 TC3-5.4921 BAU .9246 SGT 5018.5 SGR 366.1 SG3 357.6 ST 3092.7 SR 363.4 SS 1310.3
 RDE .2250 RRA .0161 RC3 -.0462 FAU .06079 RRT -.5518 RRF -.5943 RTF .9498 CRT -.9983 CRS .9946 CST -.9901
 FDE-1.7361 FRA .3660 FC3-4.1796 BSP 15663 SGB 5031.8 R23 .0819 R13 -.9500 LSA 3374.1 MSA 170.1 SSA 14.0
 BDE 1.9229 BRA .3713 BC3 5.4923 FSP -1152 SG1 5022.5 SG2 305.0 THA 177.69 EL1 3113.9 EL2 21.2 ALF 173.31

LAUNCH DATE JUN 28 1967

FLIGHT TIME 168.00

ARRIVAL DATE DEC 13 1967

HELIOCENTRIC CONIC

DISTANCE 483.015

RL 152.08 LAL .00 LOL 275.63 VL 26.398 GAL -.20 AZL 94.17 HCA 229.17 SMA 126.57 ECC .20153 INC 4.1715 V1 29.295
 RP 107.50 LAP 3.16 LOP 144.73 VP 37.692 GAP 7.78 AZP 87.27 TAL 180.79 TAP 49.96 RCA 101.07 APO 152.08 V2 35.253
 RC 140.023 GL -32.87 GP 10.01 ZAL 92.44 ZAP 155.56 ETS 22.80 ZAE 130.06 ETE 171.74 ZAC 95.38 ETC 15.45 CLP-157.59

PLANETOCENTRIC CONIC

C3 12.517 VHL 3.538 DLA -30.92 RAL 167.94 RAD 6567.5 VEL 11.572 PTH 2.02 VHP 5.541 DPA 17.37 RAP 173.64 ECC 1.2060
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.02 8 27 12 1118.90 23.99 342.71 29.94 110.12 8 45 51 518.9 26.51 334.73
 102.98 11 54 5 5741.78 24.00 271.54 29.95 110.10 13 29 47 5141.8 26.52 263.56
 77.02 8 27 12 1118.90 23.99 342.71 29.94 110.12 8 45 51 518.9 26.51 334.73
 102.98 11 54 5 5741.78 24.00 271.54 29.95 110.10 13 29 47 5141.8 26.52 263.56
 110.00 10 48 5 660.56 15.54 305.04 25.67 120.84 10 59 5 60.6 19.51 298.17
 110.00 14 32 23 5248.12 33.06 236.62 32.64 99.23 15 59 51 4648.1 33.98 227.50

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.9553 TRA -.2397 TC3-5.6386 BAU .9437 SGT 5113.8 SGR 368.5 SG3 343.3 ST 3171.8 SR 362.7 SS 1292.6
 RDE .2239 RRA .0194 RC3 -.0769 FAU .05725 RRT -.5028 RRF -.5398 RTF .9499 CRT -.9990 CRS .9916 CST -.9906
 FDE-1.6590 FRA .4498 FC3-3.9599 BSP 16030 SGB 5127.1 R23 .0697 R13 -.9501 LSA 3440.3 MSA 164.2 SSA 15.0
 BDE 1.9681 BRA .2405 BC3 5.6392 FSP -1116 SG1 5117.2 SG2 318.3 THA 177.92 EL1 3192.4 EL2 15.9 ALF 173.48

LAUNCH DATE JUN 28 1967

FLIGHT TIME 170.00

ARRIVAL DATE DEC 15 1967

HELIOCENTRIC CONIC

DISTANCE 488.924

RL 152.08 LAL .00 LOL 275.63 VL 26.356 GAL .14 AZL 94.07 HCA 232.41 SMA 126.31 ECC .20402 INC 4.0659 V1 29.295
 RP 107.51 LAP 3.22 LOP 147.98 VP 37.660 GAP 8.11 AZP 87.52 TAL 179.45 TAP 51.86 RCA 100.54 APO 152.08 V2 35.249
 RC 142.165 GL -31.87 GP 9.27 ZAL 89.89 ZAP 157.04 ETS 22.51 ZAE 129.81 ETE 172.50 ZAC 93.74 ETC 14.92 CLP-158.91

PLANETOCENTRIC CONIC

C3 12.525 VHL 3.539 DLA -31.22 RAL 171.13 RAD 6567.5 VEL 11.572 PTH 2.02 VHP 5.695 DPA 15.92 RAP 175.14 ECC 1.2061
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.26 8 34 31 1136.10 24.21 344.10 33.23 110.34 8 53 27 536.1 26.76 336.11
 103.74 12 12 13 5724.86 24.22 270.35 33.23 110.33 13 47 38 5124.9 26.77 262.37
 76.26 8 34 31 1136.10 24.21 344.10 33.23 110.34 8 53 27 536.1 26.76 336.11
 103.74 12 12 13 5724.86 24.22 270.35 33.23 110.33 13 47 38 5124.9 26.77 262.37
 110.00 11 6 1 643.69 16.12 304.08 29.13 120.56 11 16 44 43.7 20.06 297.17
 110.00 14 39 53 5265.27 32.87 237.92 35.90 99.97 16 7 38 4665.3 33.89 228.83

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-1.9951 TRA -.0961 TC3-5.7412 BAU .9615 SGT 5194.2 SGR 371.9 SG3 327.3 ST 3232.8 SR 362.6 SS 1257.6
 RDE .2238 RRA .0223 RC3 -.1021 FAU .05363 RRT -.4578 RRF -.4873 RTF .9490 CRT -.9989 CRS .9874 CST -.9907
 FDE-1.5667 FRA .5361 FC3-3.7069 BSP 16313 SGB 5207.5 R23 .0575 R13 -.9491 LSA 3484.0 MSA 160.1 SSA 16.0
 BDE 2.0077 BRA .0986 BC3 5.7422 FSP -1060 SG1 5197.0 SG2 330.5 THA 178.11 EL1 3253.0 EL2 17.0 ALF 173.61

LAUNCH DATE JUN 28 1967

FLIGHT TIME 172.00

ARRIVAL DATE DEC 17 1967

HELIOCENTRIC CONIC

DISTANCE 494.812

RL 152.08 LAL .00 LOL 275.63 VL 26.315 GAL .50 AZL 93.97 HCA 235.66 SMA 126.05 ECC .20669 INC 3.9691 V1 29.295
 RP 107.52 LAP 3.28 LOP 151.23 VP 37.627 GAP 8.45 AZP 87.76 TAL 178.09 TAP 53.74 RCA 99.99 APO 152.10 V2 35.245
 RC 144.295 GL -30.85 GP 8.64 ZAL 87.25 ZAP 158.44 ETS 22.33 ZAE 129.57 ETE 173.14 ZAC 92.02 ETC 14.44 CLP-160.17

PLANETOCENTRIC CONIC

C3 12.617 VHL 3.552 DLA -31.53 RAL 174.41 RAD 6567.5 VEL 11.576 PTH 2.02 VHP 5.855 DPA 14.54 RAP 176.71 ECC 1.2076
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.52 8 42 27 1153.87 24.40 345.52 36.71 110.61 9 1 40 553.9 26.98 337.53
 104.48 12 30 27 5710.22 24.41 269.33 36.72 110.60 14 5 37 5110.2 26.99 261.34
 75.52 8 42 27 1153.87 24.40 345.52 36.71 110.61 9 1 40 553.9 26.98 337.53
 104.48 12 30 27 5710.22 24.41 269.33 36.72 110.60 14 5 37 5110.2 26.99 261.34
 110.00 11 24 41 627.13 16.69 303.14 32.80 120.27 11 35 8 27.1 20.59 296.18
 110.00 14 47 23 5284.95 32.62 239.40 39.34 100.82 16 15 28 4685.0 33.77 230.35

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.0404 TRA .0598 TC3-5.7957 BAU .9778 SGT 5272.4 SGR 379.2 SG3 313.6 ST 3293.8 SR 366.6 SS 1232.8
 RDE .2271 RRA .0252 RC3 -.1203 FAU .05026 RRT -.4243 RRF -.4489 RTF .9486 CRT -.9978 CRS .9826 CST -.9910
 FDE-1.4944 FRA .6164 FC3-3.4487 BSP 16492 SGB 5286.0 R23 .0494 R13 -.9487 LSA 3532.5 MSA 156.1 SSA 16.9
 BDE 2.0530 BRA .0650 BC3 5.7970 FSP -1009 SG1 5274.9 SG2 343.2 THA 178.24 EL1 3314.0 EL2 24.2 ALF 173.66

LAUNCH DATE JUN 28 1967

FLIGHT TIME 174.00

ARRIVAL DATE DEC 19 1967

HELIOCENTRIC CONIC

RL 152.08 LAL .00 LOL 275.63 VL 26.273 GAL .87 AZL 93.88 MCA 238.90 SMA 125.79 ECC .20956 INC 3.8796 V1 29.295
 RP 107.53 LAP 3.32 LOP 154.48 VP 37.593 GAP 8.79 AZP 87.99 TAL 176.71 TAP 55.61 RCA 99.43 APO 152.15 V2 35.240
 RC 146.414 GL -29.79 GP 8.08 ZAL 84.54 ZAP 159.78 ETS 22.26 ZAE 129.34 ETE 173.69 ZAC 90.23 ETC 14.00 CLP-161.40

PLANETOCENTRIC CONIC

C3 12.796 VHL 3.577 DLA -31.82 RAL 177.77 RAD 6567.5 VEL 11.584 PTH 2.03 VHP 6.022 DPA 13.21 RAP 178.35 ECC 1.2106
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.84 8 51 10 1171.52 24.54 346.91 40.37 110.92 9 10 42 571.5 27.16 338.93
 105.16 12 48 31 5698.61 24.55 268.50 40.38 110.90 14 23 30 5098.6 27.17 260.52
 74.84 8 51 10 1171.52 24.54 346.91 40.37 110.92 9 10 42 571.5 27.16 338.93
 105.16 12 48 31 5698.61 24.55 268.50 40.38 110.90 14 23 30 5098.6 27.17 260.52
 110.00 11 43 45 611.90 17.21 302.26 36.64 120.00 11 53 56 11.9 21.07 295.26
 110.00 14 55 8 5306.22 32.34 241.00 42.97 101.73 16 23 34 4706.2 33.62 232.00

DIFFERENTIAL CORRECTIONS

TDE-2.0896 TRA .2194 TC3-5.8189 BAU .9957
 RDE .2324 RRA .0283 RC3 -.1320 FAU .04723
 FDE-1.4279 FRA .6846 FC3-3.1953 BSP 16818
 BDE 2.1024 BRA .2212 BC3 5.8204 FSP -974

MID-COURSE EXECUTION ACCURACY

SGT 5357.6 SGR 387.8 SG3 300.8
 RRT -.3999 RRF -.4198 RTF .9492
 SGB 5371.6 R23 .0421 R13 -.9493
 SG1 5359.8 SG2 355.3 THA 178.33

ORBIT DETERMINATION ACCURACY

ST 3351.5 SR 372.7 SS 1207.4
 CRT -.9958 CRS .9772 CST -.9915
 LSA 3578.5 MSA 152.2 SSA 17.8
 EL1 3372.0 EL2 33.9 ALF 173.68

LAUNCH DATE JUN 28 1967

FLIGHT TIME 176.00

ARRIVAL DATE DEC 21 1967

HELIOCENTRIC CONIC

RL 152.08 LAL .00 LOL 275.63 VL 26.231 GAL 1.26 AZL 93.80 MCA 242.14 SMA 125.52 ECC .21263 INC 3.7960 V1 29.295
 RP 107.55 LAP 3.36 LOP 157.73 VP 37.559 GAP 9.14 AZP 88.22 TAL 175.33 TAP 57.47 RCA 98.83 APO 152.22 V2 35.234
 RC 148.521 GL -28.70 GP 7.59 ZAL 81.76 ZAP 161.05 ETS 22.30 ZAE 129.13 ETE 174.17 ZAC 88.37 ETC 13.61 CLP-162.58

PLANETOCENTRIC CONIC

C3 13.067 VHL 3.615 DLA -32.08 RAL 181.19 RAD 6567.5 VEL 11.595 PTH 2.03 VHP 6.195 DPA 11.92 RAP 180.05 ECC 1.2151
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.25 9 0 48 1188.61 24.63 348.25 44.19 111.25 9 20 37 588.6 27.29 340.27
 105.75 13 6 12 5690.53 24.64 267.93 44.20 111.23 14 41 3 5090.5 27.30 259.95
 74.25 9 0 48 1188.61 24.63 348.25 44.19 111.25 9 20 37 588.6 27.29 340.27
 105.75 13 6 12 5690.53 24.64 267.93 44.20 111.23 14 41 3 5090.5 27.30 259.95
 110.00 12 2 51 5886.98 17.65 279.42 40.63 119.76 13 40 58 5287.0 21.48 272.38
 110.00 15 3 20 5328.20 32.02 242.63 46.75 102.65 16 32 8 4728.2 33.43 233.68

DIFFERENTIAL CORRECTIONS

TDE-2.1343 TRA .3908 TC3-5.7854 BAU 1.0110
 RDE .2394 RRA .0307 RC3 -.1391 FAU .04418
 FDE-1.3603 FRA .7503 FC3-2.9274 BSP 17074
 BDE 2.1477 BRA .3920 BC3 5.7871 FSP -936

MID-COURSE EXECUTION ACCURACY

SGT 5428.9 SGR 396.7 SG3 287.8
 RRT -.3812 RRF -.3970 RTF .9495
 SGB 5443.4 R23 .0361 R13 -.9496
 SG1 5431.1 SG2 366.6 THA 178.40

ORBIT DETERMINATION ACCURACY

ST 3392.3 SR 379.8 SS 1176.4
 CRT -.9929 CRS .9711 CST -.9918
 LSA 3607.4 MSA 149.6 SSA 18.4
 EL1 3413.2 EL2 44.8 ALF 173.66

LAUNCH DATE JUN 28 1967

FLIGHT TIME 178.00

ARRIVAL DATE DEC 23 1967

HELIOCENTRIC CONIC

RL 152.08 LAL .00 LOL 275.63 VL 26.189 GAL 1.67 AZL 93.72 MCA 245.39 SMA 125.26 ECC .21593 INC 3.7173 V1 29.295
 RP 107.57 LAP 3.38 LOP 160.97 VP 37.523 GAP 9.50 AZP 88.45 TAL 173.93 TAP 59.32 RCA 98.22 APO 152.31 V2 35.228
 RC 150.615 GL -27.58 GP 7.15 ZAL 78.95 ZAP 162.26 ETS 22.45 ZAE 128.93 ETE 174.58 ZAC 86.45 ETC 13.26 CLP-163.72

PLANETOCENTRIC CONIC

C3 13.436 VHL 3.666 DLA -32.31 RAL 184.66 RAD 6567.5 VEL 11.611 PTH 2.03 VHP 6.375 DPA 10.66 RAP 181.80 ECC 1.2211
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.75 9 11 21 1204.92 24.64 349.50 48.15 111.59 9 31 26 604.9 27.35 341.54
 106.25 13 23 21 5686.30 24.65 267.61 48.16 111.58 14 58 7 5086.3 27.36 259.65
 73.75 9 11 21 1204.92 24.64 349.50 48.15 111.59 9 31 26 604.9 27.35 341.54
 106.25 13 23 21 5686.30 24.65 267.61 48.16 111.58 14 58 7 5086.3 27.36 259.65
 110.00 12 21 36 5877.36 17.98 278.86 44.73 119.58 13 59 34 5277.4 21.78 271.79
 110.00 15 12 16 5349.89 31.69 244.23 50.68 103.54 16 41 26 4749.9 33.23 235.34

DIFFERENTIAL CORRECTIONS

TDE-2.1758 TRA .5752 TC3-5.7013 BAU 1.0245
 RDE .2479 RRA .0324 RC3 -.1416 FAU .04122
 FDE-1.2946 FRA .8147 FC3-2.6556 BSP 17266
 BDE 2.1898 BRA .5762 BC3 5.7031 FSP -895

MID-COURSE EXECUTION ACCURACY

SGT 5492.5 SGR 405.6 SG3 275.3
 RRT -.3682 RRF -.3805 RTF .9497
 SGB 5507.5 R23 .0314 R13 -.9497
 SG1 5494.6 SG2 377.0 THA 178.44

ORBIT DETERMINATION ACCURACY

ST 3418.1 SR 388.0 SS 1142.6
 CRT -.9892 CRS .9642 CST -.9920
 LSA 3621.8 MSA 148.5 SSA 19.0
 EL1 3439.6 EL2 56.4 ALF 173.59

LAUNCH DATE JUN 28 1967

FLIGHT TIME 180.00

ARRIVAL DATE DEC 25 1967

HELIOCENTRIC CONIC

RL 152.08 LAL .00 LOL 275.63 VL 26.147 GAL 2.09 AZL 93.64 MCA 248.63 SMA 125.01 ECC .21947 INC 3.6426 V1 29.295
 RP 107.59 LAP 3.39 LOP 164.22 VP 37.488 GAP 9.86 AZP 88.67 TAL 172.53 TAP 61.15 RCA 97.57 APO 152.44 V2 35.221
 RC 152.696 GL -26.43 GP 6.77 ZAL 76.12 ZAP 163.43 ETS 22.73 ZAE 128.75 ETE 174.93 ZAC 84.49 ETC 12.94 CLP-164.84

PLANETOCENTRIC CONIC

C3 13.912 VHL 3.730 DLA -32.48 RAL 188.16 RAD 6567.5 VEL 11.632 PTH 2.04 VHP 6.563 DPA 9.43 RAP 183.59 ECC 1.2290
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.38 9 22 50 1220.15 24.57 350.63 52.23 111.94 9 43 10 620.2 27.33 342.70
 106.62 13 39 44 5686.27 24.58 267.58 52.24 111.93 15 14 31 5086.3 27.34 259.64
 73.38 9 22 50 1220.15 24.57 350.63 52.23 111.94 9 43 10 620.2 27.33 342.70
 106.62 13 39 44 5686.27 24.58 267.58 52.24 111.93 15 14 31 5086.3 27.34 259.64
 110.00 12 39 34 5872.21 18.15 278.56 48.92 119.48 14 17 26 5272.2 21.93 271.48
 110.00 15 22 11 5370.25 31.36 245.73 54.75 104.37 16 51 41 4770.2 33.01 236.89

DIFFERENTIAL CORRECTIONS

TDE-2.2163 TRA .7684 TC3-5.5800 BAU 1.0382
 RDE .2582 RRA .0333 RC3 -.1399 FAU .03846
 FDE-1.2327 FRA .8743 FC3-2.3935 BSP 17496
 BDE 2.2313 BRA .7692 BC3 5.5817 FSP -859

MID-COURSE EXECUTION ACCURACY

SGT 5556.6 SGR 414.5 SG3 263.6
 RRT -.3607 RRF -.3700 RTF .9501
 SGB 5572.0 R23 .0275 R13 -.9501
 SG1 5558.6 SG2 386.5 THA 178.45

ORBIT DETERMINATION ACCURACY

ST 3432.5 SR 397.0 SS 1107.8
 CRT -.9849 CRS .9568 CST -.9922
 LSA 3625.5 MSA 148.7 SSA 19.3
 EL1 3454.7 EL2 68.4 ALF 173.50

LAUNCH DATE JUN 28 1967

FLIGHT TIME 182.00

ARRIVAL DATE DEC 27 1967

HELIOCENTRIC CONIC

DISTANCE 523.869

RL 152.08 LAL .00 LOL 275.63 VL 26.106 GAL 2.53 AZL 93.57 HCA 251.87 SMA 124.75 ECC .22327 INC 3.5711 V1 29.295
 RP 107.62 LAP - 3.39 LOP 167.47 VP 37.452 GAP 10.24 AZP 88.89 TAL 171.11 TAP 62.98 RCA 96.90 APO 152.60 V2 35.214
 RC 154.762 GL -25.25 GP 6.43 ZAL 73.28 ZAP 164.55 ETS 23.14 ZAE 128.58 ETE 175.24 ZAC 82.49 ETC 12.67 CLP-165.92

PLANETOCENTRIC CONIC

C3 14.504 VHL 3.808 DLA -32.60 RAL 191.66 RAD 6567.6 VEL 11.657 PTH 2.05 VHP 6.759 DPA 8.23 RAP 185.42 ECC 1.2387
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.13 9 35 10 1234.37 24.42 351.65 56.40 112.30 9 55 45 634.4 27.22 343.75
 106.87 13 55 19 5690.44 24.43 267.83 56.41 112.28 15 30 9 5090.4 27.23 259.92
 73.13 9 35 10 1234.37 24.42 351.65 56.40 112.30 9 55 45 634.4 27.22 343.75
 106.87 13 55 19 5690.44 24.43 267.83 56.41 112.28 15 30 9 5090.4 27.23 259.92
 110.00 12 56 19 5872.56 18.14 278.58 53.14 119.48 14 34 11 5272.6 21.92 271.50
 110.00 15 33 21 5388.29 31.04 247.04 58.94 105.09 17 3 9 4788.3 32.80 238.26

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2541 TRA .9724 TC3-5.4176 BAU 1.0508 SGT 5616.3 SGR 423.1 SG3 252.4 ST 3433.2 SR 406.5 SS 1072.0
 RDE .2700 RRA .0334 RC3 -.1347 FAU .03584 RRT -.3578 RRF -.3649 RTF .9507 CRT -.9798 CRS .9490 CST -.9925
 FDE-1.1739 FRA .9300 FC3-2.1391 BSP 17718 SGB 5632.3 R23 .0247 R13 -.9507 LSA 3616.4 MSA 150.2 SSA 19.4
 BDE 2.2702 BRA .9729 BC3 5.4193 FSP -826 SG1 5618.4 SG2 395.0 THA 178.45 EL1 3456.2 EL2 80.7 ALF 173.38

LAUNCH DATE JUN 28 1967

FLIGHT TIME 184.00

ARRIVAL DATE DEC 29 1967

HELIOCENTRIC CONIC

DISTANCE 529.590

RL 152.08 LAL .00 LOL 275.63 VL 26.064 GAL 3.00 AZL 93.50 HCA 255.10 SMA 124.50 ECC .22735 INC 3.5023 V1 29.295
 RP 107.64 LAP 3.38 LOP 170.71 VP 37.415 GAP 10.62 AZP 89.10 TAL 169.69 TAP 64.80 RCA 96.19 APO 152.80 V2 35.205
 RC 156.813 GL -24.05 GP 6.12 ZAL 70.45 ZAP 165.63 ETS 23.70 ZAE 128.42 ETE 175.51 ZAC 80.45 ETC 12.42 CLP-166.97

PLANETOCENTRIC CONIC

C3 15.224 VHL 3.902 DLA -32.65 RAL 195.14 RAD 6567.6 VEL 11.688 PTH 2.06 VHP 6.963 DPA 7.05 RAP 187.28 ECC 1.2506
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.02 9 48 20 1247.40 24.18 352.54 60.65 112.64 10 9 8 647.4 27.03 344.67
 106.98 14 9 55 5699.04 24.19 268.38 60.65 112.63 15 44 54 5099.0 27.04 260.50
 73.02 9 48 20 1247.40 24.18 352.54 60.65 112.64 10 9 8 647.4 27.03 344.67
 106.98 14 9 55 5699.04 24.19 268.38 60.65 112.63 15 44 54 5099.0 27.04 260.50
 110.00 13 11 31 5879.23 17.91 278.97 57.36 119.61 14 49 30 5279.2 21.72 271.91
 110.00 15 45 55 5403.25 30.77 248.12 63.23 105.67 17 15 58 4803.3 32.61 239.39

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.2833 TRA 1.1919 TC3-5.2087 BAU 1.0605 SGT 5664.3 SGR 430.8 SG3 241.4 ST 3412.6 SR 415.8 SS 1031.8
 RDE .2829 RRA .0323 RC3 -.1273 FAU .03321 RRT -.3573 RRF -.3620 RTF .9510 CRT -.9740 CRS .9400 CST -.9925
 FDE-1.1133 FRA .9865 FC3-1.8886 BSP 17842 SGB 5680.7 R23 .0220 R13 -.9510 LSA 3585.9 MSA 153.9 SSA 19.3
 BDE 2.3008 BRA 1.1923 BC3 5.2103 FSP -789 SG1 5666.4 SG2 402.3 THA 178.44 EL1 3436.5 EL2 93.6 ALF 173.23

LAUNCH DATE JUN 28 1967

FLIGHT TIME 186.00

ARRIVAL DATE DEC 31 1967

HELIOCENTRIC CONIC

DISTANCE 535.276

RL 152.08 LAL .00 LOL 275.63 VL 26.023 GAL 3.49 AZL 93.44 HCA 258.34 SMA 124.24 ECC .23174 INC 3.4356 V1 29.295
 RP 107.67 LAP 3.36 LOP 173.96 VP 37.378 GAP 11.02 AZP 89.30 TAL 168.27 TAP 66.61 RCA 95.45 APO 153.04 V2 35.197
 RC 158.850 GL -22.84 GP 5.84 ZAL 67.66 ZAP 166.67 ETS 24.44 ZAE 128.27 ETE 175.74 ZAC 78.37 ETC 12.21 CLP-168.00

PLANETOCENTRIC CONIC

C3 16.087 VHL 4.011 DLA -32.64 RAL 198.58 RAD 6567.6 VEL 11.725 PTH 2.07 VHP 7.178 DPA 5.88 RAP 189.18 ECC 1.2647
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.05 10 2 15 1259.27 23.84 353.30 64.94 112.98 10 23 14 659.3 26.74 345.47
 106.95 14 23 26 5712.08 23.85 269.22 64.94 112.97 15 58 38 5112.1 26.75 261.39
 73.05 10 2 15 1259.27 23.84 353.30 64.94 112.98 10 23 14 659.3 26.74 345.47
 106.95 14 23 26 5712.08 23.85 269.22 64.94 112.97 15 58 38 5112.1 26.75 261.39
 110.00 13 24 54 604.66 17.46 301.84 61.55 119.87 13 34 59 4.7 21.30 294.82
 110.00 15 59 57 5414.69 30.56 248.95 67.62 106.12 17 30 12 4814.7 32.46 240.25

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.3120 TRA 1.4193 TC3-4.9789 BAU 1.0711 SGT 5714.6 SGR 438.1 SG3 231.1 ST 3382.9 SR 425.0 SS 993.1
 RDE .2973 RRA .0303 RC3 -.1173 FAU .03084 RRT -.3608 RRF -.3636 RTF .9517 CRT -.9677 CRS .9310 CST -.9927
 FDE-1.0578 FRA 1.0376 FC3-1.6597 BSP 18055 SGB 5731.4 R23 .0199 R13 -.9517 LSA 3547.6 MSA 158.4 SSA 19.0
 BDE 2.3310 BRA 1.4196 BC3 4.9803 FSP -760 SG1 5716.8 SG2 408.4 THA 178.41 EL1 3407.9 EL2 106.4 ALF 173.06

LAUNCH DATE JUN 28 1967

FLIGHT TIME 188.00

ARRIVAL DATE JAN 2 1968

HELIOCENTRIC CONIC

DISTANCE 540.922

RL 152.08 LAL .00 LOL 275.63 VL 25.981 GAL 4.00 AZL 93.37 HCA 261.58 SMA 124.00 ECC .23646 INC 3.3704 V1 29.295
 RP 107.70 LAP 3.33 LOP 177.20 VP 37.340 GAP 11.44 AZP 89.51 TAL 166.84 TAP 68.42 RCA 94.68 APO 153.31 V2 35.187
 RC 160.871 GL -21.62 GP 5.59 ZAL 64.91 ZAP 167.68 ETS 25.38 ZAE 128.13 ETE 175.95 ZAC 76.28 ETC 12.04 CLP-169.01

PLANETOCENTRIC CONIC

C3 17.107 VHL 4.136 DLA -32.56 RAL 201.95 RAD 6567.7 VEL 11.768 PTH 2.08 VHP 7.403 DPA 4.73 RAP 191.10 ECC 1.2815
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.21 10 16 47 1270.01 23.41 353.92 69.25 113.30 10 37 57 670.0 26.36 346.14
 106.79 14 35 49 5729.53 23.42 270.36 69.26 113.29 16 11 19 5129.5 26.36 262.57
 73.21 10 16 47 1270.01 23.41 353.92 69.25 113.30 10 37 57 670.0 26.36 346.14
 106.79 14 35 49 5729.53 23.42 270.36 69.26 113.29 16 11 19 5129.5 26.36 262.57
 110.00 13 36 26 624.86 16.77 303.01 65.69 120.23 13 46 51 24.9 20.66 296.04
 110.00 16 15 21 5422.68 30.41 249.52 72.09 106.42 17 45 44 4822.7 32.36 240.84

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TOE-2.3361 TRA 1.6599 TC3-4.7220 BAU 1.0802 SGT 5759.6 SGR 444.5 SG3 221.3 ST 3340.1 SR 433.7 SS 954.2
 RDE .3129 RRA .0270 RC3 -.1062 FAU .02855 RRT -.3667 RRF -.3680 RTF .9523 CRT -.9607 CRS .9212 CST -.9927
 FDE-1.0046 FRA 1.0878 FC3-1.4450 BSP 18245 SGB 5776.7 R23 .0182 R13 -.9523 LSA 3496.8 MSA 164.4 SSA 18.6
 BDE 2.3570 BRA 1.6601 BC3 4.7231 FSP -732 SG1 5761.9 SG2 413.4 THA 178.37 EL1 3366.0 EL2 119.5 ALF 172.88

LAUNCH DATE JUN 28 1967

FLIGHT TIME 190.00

ARRIVAL DATE JAN 4 1968

HELIOCENTRIC CONIC

DISTANCE 546.524

RL 152.08 LAL .00 LOL 275.63 VL 25.940 GAL 4.54 AZL 93.31 MCA 264.81 SMA 123.75 ECC .24154 INC 3.3064 VI 29.295
 RP 107.73 LAP 3.29 LOP 180.44 VP 37.302 GAP 11.87 AZP 89.70 TAL 165.42 TAP 70.23 RCA 93.86 APO 153.64 V2 35.178
 RC 162.878 GL -20.40 GP 5.37 ZAL 62.23 ZAP 168.66 ETS 26.56 ZAE 128.00 ETE 176.12 ZAC 74.15 ETC 11.89 CLP-170.00

PLANETOCENTRIC CONIC

C3 18.305 VHL 4.278 DLA -32.42 RAL 205.25 RAD 6567.7 VEL 11.819 PTH 2.09 VHP 7.640 DPA 3.60 RAP 193.04 ECC 1.3013
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.52 10 31 56 1279.54 22.89 354.40 73.57 113.61 10 53 15 679.5 25.88 346.67
 106.48 14 46 58 5751.46 22.90 271.79 73.57 113.60 16 22 49 5151.5 25.89 264.06
 73.52 10 31 56 1279.54 22.89 354.40 73.57 113.61 10 53 15 679.5 25.88 346.67
 106.48 14 46 58 5751.46 22.90 271.79 73.57 113.60 16 22 49 5151.5 25.89 264.06
 110.00 13 46 11 651.32 15.86 304.51 69.75 120.69 13 57 3 51.3 19.81 297.62
 110.00 16 31 53 5427.68 30.31 249.88 76.61 106.62 18 2 20 4827.7 32.29 241.22

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3547 TRA 1.9142 TC3-4.4432 BAU 1.0876 SGT 5798.3 SGR 450.0 SG3 211.9 ST 3284.3 SR 441.4 SS 915.1
 RDE .3295 RRA .0223 RC3 -.0942 FAU .02637 RRT -.3746 RRF -.3743 RTF .9530 CRT -.9530 CRS .9107 CST -.9928
 FDE -.9529 FRA 1.1366 FC3-1.2469 BSP 18411 SGB 5815.7 R23 .0167 R13 -.9531 LSA 3433.5 MSA 171.5 SSA 18.1
 BDE 2.3776 BRA 1.9143 BC3 4.4442 FSP -705 SG1 5800.7 SG2 417.1 THA 178.33 EL1 3311.1 EL2 132.7 ALF 172.69

LAUNCH DATE JUN 28 1967

FLIGHT TIME 192.00

ARRIVAL DATE JAN 6 1968

HELIOCENTRIC CONIC

DISTANCE 552.078

RL 152.08 LAL .00 LOL 275.63 VL 25.899 GAL 5.10 AZL 93.24 MCA 268.04 SMA 123.50 ECC .24702 INC 3.2430 VI 29.295
 RP 107.76 LAP 3.24 LOP 183.67 VP 37.264 GAP 12.32 AZP 89.89 TAL 163.99 TAP 72.04 RCA 93.00 APO 154.01 V2 35.167
 RC 164.869 GL -19.19 GP 5.17 ZAL 59.61 ZAP 169.61 ETS 28.03 ZAE 127.87 ETE 176.28 ZAC 72.01 ETC 11.78 CLP-170.97

PLANETOCENTRIC CONIC

C3 19.704 VHL 4.439 DLA -32.21 RAL 208.44 RAD 6567.8 VEL 11.878 PTH 2.11 VHP 7.890 DPA 2.49 RAP 195.01 ECC 1.3243
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 73.96 10 47 35 1287.82 22.28 354.74 77.87 113.89 11 9 3 687.8 25.31 347.07
 106.04 14 56 48 5777.89 22.29 273.52 77.88 113.88 16 33 6 5177.9 25.32 265.84
 73.96 10 47 35 1287.82 22.28 354.74 77.87 113.89 11 9 3 687.8 25.31 347.07
 106.04 14 56 48 5777.89 22.29 273.52 77.88 113.88 16 33 6 5177.9 25.32 265.84
 110.00 13 54 21 683.27 14.74 306.31 73.73 121.20 14 5 44 83.3 18.76 299.51
 110.00 16 49 13 5430.44 30.26 250.07 81.16 106.72 18 19 43 4830.4 32.25 241.42

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3691 TRA 2.1825 TC3-4.1502 BAU 1.0935 SGT 5832.1 SGR 454.6 SG3 203.0 ST 3218.9 SR 448.1 SS 877.2
 RDE .3471 RRA .0163 RC3 -.0821 FAU .02427 RRT -.3842 RRF -.3826 RTF .9538 CRT -.9445 CRS .8994 CST -.9928
 FDE -.9038 FRA 1.1845 FC3-1.0664 BSP 18571 SGB 5849.8 R23 .0154 R13 -.9538 LSA 3361.4 MSA 179.6 SSA 17.5
 BDE 2.3944 BRA 2.1826 BC3 4.1510 FSP -679 SG1 5834.7 SG2 419.5 THA 178.28 EL1 3246.6 EL2 145.9 ALF 172.49

LAUNCH DATE JUN 28 1967

FLIGHT TIME 194.00

ARRIVAL DATE JAN 8 1968

HELIOCENTRIC CONIC

DISTANCE 557.578

RL 152.08 LAL .00 LOL 275.63 VL 25.859 GAL 5.70 AZL 93.18 MCA 271.27 SMA 123.26 ECC .25294 INC 3.1800 VI 29.295
 RP 107.79 LAP 3.18 LOP 186.91 VP 37.226 GAP 12.79 AZP 90.07 TAL 162.57 TAP 73.85 RCA 92.09 APO 154.44 V2 35.156
 RC 166.846 GL -18.00 GP 4.98 ZAL 57.07 ZAP 170.53 ETS 29.87 ZAE 127.75 ETE 176.41 ZAC 69.86 ETC 11.70 CLP-171.94

PLANETOCENTRIC CONIC

C3 21.329 VHL 4.618 DLA -31.96 RAL 211.53 RAD 6567.9 VEL 11.946 PTH 2.13 VHP 8.155 DPA 1.39 RAP 196.99 ECC 1.3510
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 74.53 11 3 45 1294.73 21.58 354.94 82.15 114.15 11 25 20 694.7 24.66 347.32
 105.47 15 5 15 5808.86 21.60 275.54 82.15 114.14 16 42 3 5208.9 24.67 267.93
 74.53 11 3 45 1294.73 21.58 354.94 82.15 114.15 11 25 20 694.7 24.66 347.32
 105.47 15 5 15 5808.86 21.60 275.54 82.15 114.14 16 42 3 5208.9 24.67 267.93
 110.00 14 1 9 719.81 13.44 308.35 77.62 121.73 14 13 8 119.8 17.54 301.63
 110.00 17 7 2 5431.78 30.23 250.17 85.73 106.77 18 37 33 4831.8 32.23 241.52

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3758 TRA 2.4690 TC3-3.8412 BAU 1.0955 SGT 5857.4 SGR 458.1 SG3 194.5 ST 3141.9 SR 453.3 SS 839.3
 RDE .3653 RRA .0087 RC3 -.0705 FAU .02216 RRT -.3947 RRF -.3916 RTF .9544 CRT -.9350 CRS .8867 CST -.9928
 FDE -.8552 FRA 1.2336 FC3 -.8997 BSP 18633 SGB 5875.3 R23 .0140 R13 -.9545 LSA 3278.1 MSA 188.7 SSA 17.0
 BDE 2.4037 BRA 2.4691 BC3 3.8419 FSP -650 SG1 5860.2 SG2 420.7 THA 178.22 EL1 3170.5 EL2 159.3 ALF 172.30

LAUNCH DATE JUN 28 1967

FLIGHT TIME 196.00

ARRIVAL DATE JAN 10 1968

HELIOCENTRIC CONIC

DISTANCE 563.016

RL 152.08 LAL .00 LOL 275.63 VL 25.818 GAL 6.33 AZL 93.12 MCA 274.50 SMA 123.03 ECC .25934 INC 3.1168 VI 29.295
 RP 107.83 LAP 3.11 LOP 190.14 VP 37.187 GAP 13.28 AZP 90.24 TAL 161.16 TAP 75.66 RCA 91.12 APO 154.93 V2 35.145
 RC 168.808 GL -16.83 GP 4.82 ZAL 54.63 ZAP 171.42 ETS 32.18 ZAE 127.63 ETE 176.53 ZAC 67.69 ETC 11.66 CLP-172.89

PLANETOCENTRIC CONIC

C3 23.211 VHL 4.818 DLA -31.65 RAL 214.49 RAD 6567.9 VEL 12.025 PTH 2.15 VHP 8.436 DPA .31 RAP 198.99 ECC 1.3820
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 75.24 11 20 22 1300.19 20.82 354.98 86.38 114.39 11 42 2 700.2 23.93 347.43
 104.76 15 12 15 5844.41 20.83 277.87 86.39 114.38 16 49 39 5244.4 23.94 270.32
 75.24 11 20 22 1300.19 20.82 354.98 86.38 114.39 11 42 2 700.2 23.93 347.43
 104.76 15 12 15 5844.41 20.83 277.87 86.39 114.38 16 49 39 5244.4 23.94 270.32
 110.00 14 6 48 760.11 11.99 310.56 81.43 122.25 14 19 28 160.1 16.16 303.94
 110.00 17 25 0 5432.48 30.22 250.22 90.29 106.80 18 55 32 4832.5 32.22 241.58

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3825 TRA 2.7680 TC3-3.5364 BAU 1.0976 SGT 5881.4 SGR 460.7 SG3 186.5 ST 3063.3 SR 457.2 SS 804.9
 RDE .3844 RRA -.0003 RC3 -.0591 FAU .02024 RRT -.4070 RRF -.4026 RTF .9554 CRT -.9249 CRS .8738 CST -.9928
 FDE -.8114 FRA 1.2808 FC3 -.7550 BSP 18764 SGB 5899.4 R23 .0129 R13 -.9554 LSA 3193.9 MSA 197.9 SSA 16.4
 BDE 2.4133 BRA 2.7680 BC3 3.5369 FSP -626 SG1 5884.4 SG2 420.6 THA 178.16 EL1 3092.4 EL2 172.2 ALF 172.12

LAUNCH DATE JUN 28 1967

FLIGHT TIME 198.00

ARRIVAL DATE JAN 12 1968

HELIOCENTRIC CONIC

DISTANCE 568.386

RL 152.08 LAL .00 LOL 275.63 VL 25.778 GAL 7.00 AZL 93.05 MCA 277.72 SMA 122.79 ECC .26627 INC 3.0531 V1 29.295
 RP 107.86 LAP 3.03 LOP 193.37 VP 37.149 GAP 13.81 AZP 90.41 TAL 159.76 TAP 77.48 RCA 90.10 APO 155.49 V2 35.134
 RC 170.755 GL -15.69 GP 4.66 ZAL 52.27 ZAP 172.27 ETS 35.10 ZAE 127.50 ETE 176.63 ZAC 65.52 ETC 11.65 CLP-173.83

PLANETOCENTRIC CONIC

C3 25.389 VHL 5.039 DLA -31.29 RAL 217.32 RAD 6568.0 VEL 12.115 PTH 2.17 VHP 8.735 DPA -.75 RAP 201.01 ECC 1.4178
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 76.09 11 37 33 1303.67 19.98 354.84 90.56 114.60 11 59 17 703.7 23.13 347.35
 103.91 15 17 38 5884.93 19.99 280.53 90.56 114.59 16 55 43 5284.9 23.14 273.04
 76.09 11 37 33 1303.67 19.98 354.84 90.56 114.60 11 59 17 703.7 23.13 347.35
 103.91 15 17 38 5884.93 19.99 280.53 90.56 114.59 16 55 43 5284.9 23.14 273.04
 110.00 14 11 30 803.41 10.40 312.92 85.14 122.75 14 24 53 203.4 14.65 306.39
 110.00 17 42 52 5433.18 30.20 250.27 94.82 106.83 19 13 25 4833.2 32.21 241.63

DIFFERENTIAL CORRECTIONS

TDE-2.3857 TRA 3.0837 TC3-3.2316 BAU 1.0970
 RDE .4041 RRA -.0109 RC3 -.0486 FAU .01839
 FDE -.7700 FRA 1.3281 FC3 -.6270 BSP 18879
 BDE 2.4197 BRA 3.0838 BC3 3.2320 FSP -603

MID-COURSE EXECUTION ACCURACY

SGT 5899.5 SGR 462.3 SG3 178.9
 RRT -.4203 RRF -.4146 RTF .9564
 SGB 5917.6 R23 .0117 R13 -.9564
 SG1 5902.7 SG2 419.3 THA 178.10

ORBIT DETERMINATION ACCURACY

ST 2980.7 SR 459.5 SS 772.6
 CRT -.9139 CRS .8601 CST -.9929
 LSA 3106.3 MSA 207.3 SSA 15.8
 EL1 3010.2 EL2 184.7 ALF 171.95

LAUNCH DATE JUN 28 1967

FLIGHT TIME 200.00

ARRIVAL DATE JAN 14 1968

HELIOCENTRIC CONIC

DISTANCE 573.678

RL 152.08 LAL .00 LOL 275.63 VL 25.739 GAL 7.71 AZL 92.99 MCA 280.95 SMA 122.56 ECC .27378 INC 2.9884 V1 29.295
 RP 107.90 LAP 2.93 LOP 196.60 VP 37.110 GAP 14.36 AZP 90.57 TAL 158.37 TAP 79.32 RCA 89.01 APO 156.11 V2 35.122
 RC 172.686 GL -14.58 GP 4.52 ZAL 50.03 ZAP 173.09 ETS 38.81 ZAE 127.38 ETE 176.72 ZAC 63.34 ETC 11.68 CLP-174.78

PLANETOCENTRIC CONIC

C3 27.906 VHL 5.283 DLA -30.90 RAL 220.01 RAD 6568.1 VEL 12.218 PTH 2.20 VHP 9.055 DPA -1.79 RAP 203.03 ECC 1.4593
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 77.08 11 55 17 1305.05 19.08 354.51 94.68 114.78 12 17 2 705.1 22.27 347.08
 102.92 15 21 23 642.40 19.10 305.62 94.68 114.77 15 32 5 42.4 22.28 298.19
 77.08 11 55 17 1305.05 19.08 354.51 94.68 114.78 12 17 2 705.1 22.27 347.08
 102.92 15 21 23 642.40 19.10 305.62 94.68 114.77 15 32 5 42.4 22.28 298.19
 110.00 14 15 25 849.11 8.71 315.37 88.77 123.19 14 29 34 249.1 13.02 308.93
 110.00 18 0 25 5434.38 30.18 250.35 99.31 106.87 19 30 59 4834.4 32.19 241.72

DIFFERENTIAL CORRECTIONS

TDE-2.3865 TRA 3.4180 TC3-2.9316 BAU 1.0938
 RDE .4242 RRA -.0231 RC3 -.0392 FAU .01660
 FDE -.7315 FRA 1.3763 FC3 -.5150 BSP 18973
 BDE 2.4239 BRA 3.4181 BC3 2.9319 FSP -580

MID-COURSE EXECUTION ACCURACY

SGT 5912.7 SGR 462.9 SG3 171.8
 RRT -.4344 RRF -.4275 RTF .9575
 SGB 5930.8 R23 .0105 R13 -.9576
 SG1 5916.2 SG2 416.7 THA 178.04

ORBIT DETERMINATION ACCURACY

ST 2896.3 SR 460.2 SS 743.1
 CRT -.9020 CRS .8456 CST -.9930
 LSA 3017.5 MSA 216.6 SSA 15.2
 EL1 2926.0 EL2 196.7 ALF 171.81

LAUNCH DATE JUN 28 1967

FLIGHT TIME 202.00

ARRIVAL DATE JAN 16 1968

HELIOCENTRIC CONIC

DISTANCE 578.881

RL 152.08 LAL .00 LOL 275.63 VL 25.700 GAL 8.46 AZL 92.92 MCA 284.17 SMA 122.33 ECC .28195 INC 2.9224 V1 29.295
 RP 107.94 LAP 2.83 LOP 199.82 VP 37.071 GAP 14.95 AZP 90.72 TAL 157.00 TAP 81.17 RCA 87.84 APO 156.82 V2 35.110
 RC 174.603 GL -13.50 GP 4.40 ZAL 47.88 ZAP 173.86 ETS 43.59 ZAE 127.24 ETE 176.80 ZAC 61.16 ETC 11.74 CLP-175.72

PLANETOCENTRIC CONIC

C3 30.815 VHL 5.551 DLA -30.48 RAL 222.56 RAD 6568.2 VEL 12.336 PTH 2.22 VHP 9.397 DPA -2.82 RAP 205.07 ECC 1.5071
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 78.22 12 13 47 1303.50 18.13 353.92 98.73 114.93 12 35 31 703.5 21.34 346.55
 101.78 15 23 14 693.58 18.15 308.99 98.73 114.92 15 34 47 93.6 21.36 301.62
 78.22 12 13 47 1303.50 18.13 353.92 98.73 114.93 12 35 31 703.5 21.34 346.55
 101.78 15 23 14 693.58 18.15 308.99 98.73 114.92 15 34 47 93.6 21.36 301.62
 110.00 14 18 41 896.67 6.93 317.90 92.32 123.56 14 33 38 296.7 11.29 311.53
 110.00 18 17 30 5436.44 30.14 250.50 103.75 106.95 19 48 7 4836.4 32.16 241.87

DIFFERENTIAL CORRECTIONS

TDE-2.3818 TRA 3.7751 TC3-2.6351 BAU 1.0856
 RDE .4445 RRA -.0372 RC3 -.0312 FAU .01480
 FDE -.6943 FRA 1.4267 FC3 -.4159 BSP 18974
 BDE 2.4230 BRA 3.7753 BC3 2.6352 FSP -555

MID-COURSE EXECUTION ACCURACY

SGT 5919.9 SGR 462.3 SG3 165.0
 RRT -.4487 RRF -.4406 RTF .9588
 SGB 5937.9 R23 .0092 R13 -.9588
 SG1 5923.5 SG2 412.8 THA 177.98

ORBIT DETERMINATION ACCURACY

ST 2809.2 SR 459.0 SS 715.5
 CRT -.8888 CRS .8298 CST -.9931
 LSA 2926.2 MSA 225.9 SSA 14.7
 EL1 2838.8 EL2 208.2 ALF 171.69

LAUNCH DATE JUN 28 1967

FLIGHT TIME 204.00

ARRIVAL DATE JAN 18 1968

HELIOCENTRIC CONIC

DISTANCE 583.979

RL 152.08 LAL .00 LOL 275.63 VL 25.661 GAL 9.26 AZL 92.85 MCA 287.39 SMA 122.11 ECC .29085 INC 2.8545 V1 29.295
 RP 107.97 LAP 2.72 LOP 203.04 VP 37.032 GAP 15.58 AZP 90.85 TAL 155.66 TAP 83.04 RCA 86.59 APO 157.62 V2 35.097
 RC 176.504 GL -12.46 GP 4.28 ZAL 45.84 ZAP 174.57 ETS 49.80 ZAE 127.10 ETE 176.87 ZAC 58.98 ETC 11.84 CLP-176.66

PLANETOCENTRIC CONIC

C3 34.179 VHL 5.846 DLA -30.03 RAL 224.97 RAD 6568.3 VEL 12.472 PTH 2.26 VHP 9.766 DPA -3.82 RAP 207.11 ECC 1.5625
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 79.56 12 33 21 1297.94 17.14 353.02 102.70 115.04 12 54 59 697.9 20.37 345.71
 100.44 15 22 53 751.32 17.15 312.81 102.71 115.03 15 35 24 151.3 20.39 305.50
 79.56 12 33 21 1297.94 17.14 353.02 102.70 115.04 12 54 59 697.9 20.37 345.71
 100.44 15 22 53 751.32 17.15 312.81 102.71 115.03 15 35 24 151.3 20.39 305.50
 110.00 14 21 23 945.71 5.08 320.49 95.79 123.85 14 37 9 345.7 9.49 314.18
 110.00 18 34 1 5439.59 30.08 250.72 108.12 107.07 20 4 41 4839.6 32.12 242.10

DIFFERENTIAL CORRECTIONS

TDE-2.3807 TRA 4.1493 TC3-2.3550 BAU 1.0762
 RDE .4653 RRA -.0528 RC3 -.0241 FAU .01315
 FDE -.6622 FRA 1.4768 FC3 -.3331 BSP 19060
 BDE 2.4257 BRA 4.1496 BC3 2.3552 FSP -536

MID-COURSE EXECUTION ACCURACY

SGT 5923.5 SGR 460.7 SG3 158.6
 RRT -.4642 RRF -.4551 RTF .9603
 SGB 5941.4 R23 .0081 R13 -.9603
 SG1 5927.4 SG2 407.8 THA 177.92

ORBIT DETERMINATION ACCURACY

ST 2726.9 SR 456.3 SS 692.1
 CRT -.8752 CRS .8145 CST -.9933
 LSA 2840.5 MSA 234.0 SSA 14.1
 EL1 2756.2 EL2 218.4 ALF 171.62

LAUNCH DATE JUN 28 1967

FLIGHT TIME 206.00

ARRIVAL DATE JAN 20 1968

HELIOCENTRIC CONIC

DISTANCE 588.958

RL 152.08 LAL .00 LOL 275.63 VL 25.623 GAL 10.12 AZL 92.78 HCA 290.60 SMA 121.89 ECC .30057 INC 2.7842 V1 29.295
 RP 108.01 LAP 2.61 LOP 206.26 VP 36.994 GAP 16.26 AZP 90.98 TAL 154.34 TAP 84.94 RCA 85.25 APO 158.52 V2 35.084
 RC 178.389 GL -11.45 GP 4.18 ZAL 43.92 ZAP 175.19 ETS 57.88 ZAE 126.94 ETE 176.94 ZAC 56.82 ETC 11.98 CLP-177.61

PLANETOCENTRIC CONIC

C3 38.075 VHL 6.171 DLA -29.56 RAL 227.23 RAD 6568.5 VEL 12.627 PTH 2.29 VHP 10.165 DPA -4.80 RAP 209.16 ECC 1.6266
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 81.14 12 54 32 1286.38 16.11 351.66 106.60 115.13 13 15 58 686.4 19.36 344.40
 98.86 15 19 45 817.43 16.12 317.22 106.61 115.12 15 33 23 217.4 19.37 309.96
 100.00 14 51 2 909.35 12.65 322.28 104.85 117.31 15 6 11 309.4 16.22 315.29
 100.00 16 5 56 669.69 19.63 307.91 108.26 113.00 16 17 6 69.7 22.58 300.35
 110.00 14 23 35 995.87 3.17 323.12 99.18 124.05 14 40 11 395.9 7.62 316.86
 110.00 18 49 53 5443.98 29.99 251.03 112.43 107.23 20 20 36 4844.0 32.05 242.43

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3789 TRA 4.5467 TC3-2.0874 BAU 1.0626 SGT 5922.2 SGR 458.1 SG3 152.5 ST 2646.7 SR 452.0 SS 671.6
 RDE .4861 RRA -.0701 RC3 -.0182 FAU .01155 RRT -.4800 RRF -.4700 RTF .9621 CRT -.8608 CRS .7989 CST -.9936
 FDE -.6326 FRA 1.5289 FC3 -.2625 BSP 19124 SGB 5939.9 R23 .0070 R13 -.9621 LSA 2757.2 MSA 241.4 SSA 13.6
 BDE 2.4280 BRA 4.5473 BC3 2.0874 FSP -516 SG1 5926.3 SG2 401.6 THA 177.86 EL1 2675.4 EL2 227.6 ALF 171.58

LAUNCH DATE JUN 28 1967

FLIGHT TIME 208.00

ARRIVAL DATE JAN 22 1968

HELIOCENTRIC CONIC

DISTANCE 593.796

RL 152.08 LAL .00 LOL 275.63 VL 25.585 GAL 11.04 AZL 92.71 HCA 293.82 SMA 121.67 ECC .31120 INC 2.7110 V1 29.295
 RP 108.05 LAP 2.48 LOP 209.47 VP 36.956 GAP 16.99 AZP 91.10 TAL 153.05 TAP 86.87 RCA 83.81 APO 159.54 V2 35.071
 RC 180.257 GL -10.49 GP 4.08 ZAL 42.11 ZAP 175.68 ETS 68.26 ZAE 126.76 ETE 176.99 ZAC 54.66 ETC 12.17 CLP-178.57

PLANETOCENTRIC CONIC

C3 42.598 VHL 6.527 DLA -29.07 RAL 229.35 RAD 6568.6 VEL 12.805 PTH 2.33 VHP 10.596 DPA -5.75 RAP 211.21 ECC 1.7011
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 83.13 13 18 39 1264.39 15.05 349.52 110.42 115.17 13 39 44 664.4 18.31 342.31
 96.87 15 12 32 896.09 15.06 322.51 110.43 115.17 15 27 29 296.1 18.33 315.31
 100.00 14 38 10 1006.49 9.56 327.83 107.58 118.46 14 54 57 406.5 13.29 321.02
 100.00 16 35 43 629.23 20.69 305.37 113.01 112.07 16 46 12 29.2 23.50 297.70
 110.00 14 25 20 1046.88 1.22 325.79 102.50 124.16 14 42 47 446.9 5.69 319.56
 110.00 19 5 2 5449.64 29.87 251.44 116.65 107.44 20 35 52 4849.6 31.97 242.85

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3774 TRA 4.9697 TC3-1.8335 BAU 1.0442 SGT 5916.1 SGR 454.4 SG3 146.7 ST 2569.7 SR 446.0 SS 654.3
 RDE .5071 RRA -.0891 RC3 -.0135 FAU .00997 RRT -.4961 RRF -.4855 RTF .9640 CRT -.8458 CRS .7832 CST -.9940
 FDE -.6060 FRA 1.5836 FC3 -.2027 BSP 19177 SGB 5933.5 R23 .0059 R13 -.9640 LSA 2677.5 MSA 247.6 SSA 13.1
 BDE 2.4309 BRA 4.9705 BC3 1.8335 FSP -497 SG1 5920.4 SG2 394.3 THA 177.81 EL1 2597.4 EL2 235.4 ALF 171.58

LAUNCH DATE JUN 28 1967

FLIGHT TIME 210.00

ARRIVAL DATE JAN 24 1968

HELIOCENTRIC CONIC

DISTANCE 598.469

RL 152.08 LAL .00 LOL 275.63 VL 25.548 GAL 12.03 AZL 92.63 HCA 297.03 SMA 121.46 ECC .32287 INC 2.6341 V1 29.295
 RP 108.09 LAP 2.35 LOP 212.69 VP 36.918 GAP 17.78 AZP 91.20 TAL 151.81 TAP 88.84 RCA 82.25 APO 160.68 V2 35.058
 RC 182.108 GL -9.55 GP 3.99 ZAL 40.41 ZAP 175.98 ETS 80.98 ZAE 126.57 ETE 177.04 ZAC 52.53 ETC 12.40 CLP-179.54

PLANETOCENTRIC CONIC

C3 47.863 VHL 6.918 DLA -28.57 RAL 231.33 RAD 6568.8 VEL 13.009 PTH 2.37 VHP 11.066 DPA -6.68 RAP 213.25 ECC 1.7877
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 86.03 13 50 12 1217.34 13.96 345.53 114.14 115.18 14 10 29 617.3 17.24 338.37
 93.97 14 56 46 1001.70 13.98 329.75 114.15 115.17 15 13 28 401.7 17.26 322.59
 100.00 14 30 18 1087.14 6.91 332.35 110.47 119.15 14 48 25 487.1 10.75 325.66
 100.00 16 59 21 607.13 21.25 303.96 117.44 111.53 17 9 28 7.1 23.99 296.23
 110.00 14 26 41 1098.51 -.75 328.48 105.74 124.18 14 44 59 498.5 3.73 322.27
 110.00 19 19 28 5456.56 29.73 251.92 120.79 107.70 20 50 24 4856.6 31.86 243.36

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3739 TRA 5.4244 TC3-1.5909 BAU 1.0180 SGT 5905.6 SGR 449.5 SG3 141.3 ST 2494.9 SR 438.2 SS 639.6
 RDE .5278 RRA -.1101 RC3 -.0101 FAU .00836 RRT -.5122 RRF -.5009 RTF .9660 CRT -.8297 CRS .7668 CST -.9943
 FDE -.5809 FRA 1.6426 FC3 -.1512 BSP 19102 SGB 5922.7 R23 .0046 R13 -.9660 LSA 2600.3 MSA 252.9 SSA 12.6
 BDE 2.4319 BRA 5.4255 BC3 1.5909 FSP -476 SG1 5910.1 SG2 385.7 THA 177.76 EL1 2521.5 EL2 242.0 ALF 171.63

LAUNCH DATE JUN 28 1967

FLIGHT TIME 212.00

ARRIVAL DATE JAN 26 1968

HELIOCENTRIC CONIC

DISTANCE 602.945

RL 152.08 LAL .00 LOL 275.63 VL 25.512 GAL 13.10 AZL 92.55 HCA 300.24 SMA 121.26 ECC .33570 INC 2.5527 V1 29.295
 RP 108.13 LAP 2.21 LOP 215.90 VP 36.880 GAP 18.64 AZP 91.29 TAL 150.62 TAP 90.86 RCA 80.55 APO 161.96 V2 35.045
 RC 183.942 GL -8.66 GP 3.91 ZAL 38.82 ZAP 176.05 ETS 95.25 ZAE 126.35 ETE 177.09 ZAC 50.41 ETC 12.68 CLP 179.46

PLANETOCENTRIC CONIC

C3 54.011 VHL 7.349 DLA -28.06 RAL 233.16 RAD 6569.0 VEL 13.243 PTH 2.42 VHP 11.580 DPA -7.58 RAP 215.29 ECC 1.8889
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 57 17 1248.40 9.72 345.70 116.22 116.73 14 18 5 648.4 13.23 338.78
 90.00 15 4 19 1030.78 16.06 332.86 119.27 113.64 15 21 29 430.8 19.12 325.52
 100.00 14 24 26 1160.57 4.46 336.42 113.38 119.59 14 43 47 560.6 8.37 329.81
 100.00 17 19 51 5881.87 21.58 281.02 121.67 111.20 18 57 52 5281.9 24.27 273.25
 110.00 14 27 38 1150.54 -2.74 331.20 108.91 124.09 14 46 48 550.5 1.75 324.99
 110.00 19 33 8 5464.67 29.56 252.50 124.82 108.00 21 4 13 4864.7 31.73 243.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3768 TRA 5.9067 TC3-1.3683 BAU .9881 SGT 5891.5 SGR 443.6 SG3 136.1 ST 2426.5 SR 429.2 SS 628.7
 RDE .5486 RRA -.1327 RC3 -.0075 FAU .00683 RRT -.5288 RRF -.5172 RTF .9683 CRT -.8139 CRS .7519 CST -.9948
 FDE -.5604 FRA 1.7038 FC3 -.1095 BSP 19141 SGB 5908.2 R23 .0036 R13 -.9683 LSA 2530.1 MSA 256.4 SSA 12.1
 BDE 2.4393 BRA 5.9082 BC3 1.3684 FSP -460 SG1 5896.2 SG2 376.2 THA 177.71 EL1 2451.8 EL2 246.8 ALF 171.72

LAUNCH DATE JUN 28 1967

FLIGHT TIME 214.00

ARRIVAL DATE JAN 28 1968

HELIOCENTRIC CONIC

DISTANCE 607.187

RL 152.08 LAL .00 LOL 275.63 VL 25.476 GAL 14.27 AZL 92.47 HCA 303.44 SMA 121.06 ECC .34986 INC 2.4659 V1 29.295
 RP 108.18 LAP 2.06 LOP 219.10 VP 36.843 GAP 19.58 AZP 91.36 TAL 149.49 TAP 92.93 RCA 78.70 APO 163.41 V2 35.032
 RC 185.758 GL -7.80 GP 3.83 ZAL 37.36 ZAP 175.86 ETS 109.46 ZAE 126.09 ETE 177.13 ZAC 48.33 ETC 13.01 CLP 178.44

PLANETOCENTRIC CONIC

C3 61.221 VHL 7.824 DLA -27.54 RAL 234.85 RAD 6569.1 VEL 13.512 PTH 2.47 VHP 12.144 DPA -8.45 RAP 217.31 ECC 2.0075
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 39 22 1359.79 6.25 352.04 118.53 117.67 14 2 1 759.8 9.91 345.27
 90.00 15 35 43 980.79 17.40 329.80 123.87 112.70 15 52 4 380.8 20.33 322.35
 100.00 14 19 36 1229.75 2.12 340.23 116.26 119.82 14 40 6 629.7 6.08 333.67
 100.00 17 38 10 5874.10 21.77 280.52 125.73 111.01 19 16 4 5274.1 24.43 272.73
 110.00 14 28 11 1202.78 -4.73 333.93 112.01 123.89 14 48 14 602.8 -.25 327.72
 110.00 19 46 4 5473.84 29.37 253.14 128.74 108.34 21 17 18 4873.8 31.59 244.63

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3834 TRA 6.4214 TC3 -1.1600 BAU .9494 SGT 5870.6 SGR 436.6 SG3 131.2 ST 2362.2 SR 418.7 SS 620.9
 RDE .5693 RRA -.1569 RC3 -.0057 FAU .00530 RRT -.5455 RRF -.5337 RTF .9707 CRT -.7982 CRS .7375 CST -.9953
 FDE -.5427 FRA 1.7697 FC3 -.0750 BSP 19169 SGB 5886.8 R23 .0024 R13 -.9707 LSA 2464.5 MSA 258.2 SSA 11.6
 BDE 2.4504 BRA 6.4233 BC3 1.1600 FSP -443 SG1 5875.5 SG2 365.6 THA 177.67 EL1 2386.0 EL2 249.7 ALF 171.86

LAUNCH DATE JUN 28 1967

FLIGHT TIME 216.00

ARRIVAL DATE JAN 30 1968

HELIOCENTRIC CONIC

DISTANCE 611.145

RL 152.08 LAL .00 LOL 275.63 VL 25.442 GAL 15.53 AZL 92.37 HCA 306.65 SMA 120.86 ECC .36554 INC 2.3725 V1 29.295
 RP 108.22 LAP 1.90 LOP 222.31 VP 36.806 GAP 20.62 AZP 91.42 TAL 148.43 TAP 95.08 RCA 76.68 APO 165.04 V2 35.019
 RC 187.557 GL -6.98 GP 3.76 ZAL 36.01 ZAP 175.42 ETS 122.03 ZAE 125.80 ETE 177.17 ZAC 46.28 ETC 13.40 CLP 177.39

PLANETOCENTRIC CONIC

C3 69.717 VHL 8.350 DLA -27.02 RAL 236.39 RAD 6569.3 VEL 13.823 PTH 2.52 VHP 12.766 DPA -9.28 RAP 219.32 ECC 2.1474
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 28 25 1447.46 3.46 356.97 121.08 118.12 13 52 32 847.5 7.19 350.28
 90.00 15 58 59 955.43 18.06 328.23 128.03 112.19 16 14 55 355.4 20.91 320.72
 100.00 14 15 19 1295.97 -.12 343.86 119.10 119.89 14 36 55 696.0 3.86 337.33
 100.00 17 54 47 5870.19 21.86 280.27 129.63 110.91 19 32 37 5270.2 24.51 272.47
 110.00 14 28 21 1255.04 -6.71 336.69 115.02 123.60 14 49 16 655.0 -2.25 330.44
 110.00 19 58 14 5483.89 29.15 253.84 132.54 108.70 21 29 38 4883.9 31.42 245.37

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.3940 TRA 6.9763 TC3 -.9674 BAU .9017 SGT 5846.7 SGR 428.5 SG3 126.6 ST 2302.1 SR 406.8 SS 616.3
 RDE .5897 RRA -.1829 RC3 -.0048 FAU .00374 RRT -.5622 RRF -.5504 RTF .9733 CRT -.7824 CRS .7239 CST -.9959
 FDE -.5279 FRA 1.8410 FC3 -.0464 BSP 19170 SGB 5862.3 R23 .0014 R13 -.9733 LSA 2403.8 MSA 258.5 SSA 11.1
 BDE 2.4655 BRA 6.9787 BC3 .9674 FSP -428 SG1 5851.6 SG2 354.1 THA 177.63 EL1 2324.3 EL2 250.9 ALF 172.03

LAUNCH DATE JUN 28 1967

FLIGHT TIME 218.00

ARRIVAL DATE FEB 1 1968

HELIOCENTRIC CONIC

DISTANCE 614.760

RL 152.08 LAL .00 LOL 275.63 VL 25.408 GAL 16.92 AZL 92.27 HCA 309.85 SMA 120.68 ECC .38295 INC 2.2710 V1 29.295
 RP 108.26 LAP 1.74 LOP 225.51 VP 36.771 GAP 21.77 AZP 91.46 TAL 147.47 TAP 97.32 RCA 74.46 APO 166.89 V2 35.005
 RC 189.337 GL -6.19 GP 3.70 ZAL 34.80 ZAP 174.77 ETS 132.27 ZAE 125.47 ETE 177.21 ZAC 44.28 ETC 13.84 CLP 176.30

PLANETOCENTRIC CONIC

C3 79.781 VHL 8.932 DLA -26.48 RAL 237.79 RAD 6569.6 VEL 14.182 PTH 2.58 VHP 13.455 DPA -10.08 RAP 221.30 ECC 2.3130
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 20 1 1525.50 .95 1.33 123.66 118.30 13 45 26 925.5 4.72 354.68
 90.00 16 18 33 940.22 18.45 327.28 131.93 111.87 16 34 13 340.2 21.25 319.74
 100.00 14 11 17 1359.92 -2.29 347.37 121.86 119.81 14 33 57 759.9 1.70 340.85
 100.00 18 9 58 5869.07 21.89 280.20 133.36 110.88 19 47 47 5269.1 24.53 272.40
 110.00 14 28 6 1307.14 -8.66 339.46 117.94 123.20 14 49 53 707.1 -4.23 333.17
 110.00 20 9 38 5494.61 28.91 254.59 136.19 109.08 21 41 13 4894.6 31.24 246.15

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4065 TRA 7.5794 TC3 -.7875 BAU .8399 SGT 5819.6 SGR 419.3 SG3 122.3 ST 2245.1 SR 393.7 SS 614.7
 RDE .6096 RRA -.2106 RC3 -.0046 FAU .00205 RRT -.5787 RRF -.5670 RTF .9759 CRT -.7665 CRS .7104 CST -.9964
 FDE -.5150 FRA 1.9202 FC3 -.0223 BSP 19041 SGB 5834.7 R23 .0004 R13 -.9759 LSA 2346.7 MSA 257.2 SSA 10.7
 BDE 2.4825 BRA 7.5823 BC3 .7875 FSP -410 SG1 5824.7 SG2 341.6 THA 177.60 EL1 2265.5 EL2 250.5 ALF 172.25

LAUNCH DATE JUN 28 1967

FLIGHT TIME 220.00

ARRIVAL DATE FEB 3 1968

HELIOCENTRIC CONIC

DISTANCE 617.952

RL 152.08 LAL .00 LOL 275.63 VL 25.376 GAL 18.44 AZL 92.16 HCA 313.05 SMA 120.50 ECC .40236 INC 2.1598 V1 29.295
 RP 108.30 LAP 1.58 LOP 228.70 VP 36.736 GAP 23.04 AZP 91.47 TAL 146.61 TAP 99.66 RCA 72.01 APO 168.98 V2 34.992
 RC 191.100 GL -5.43 GP 3.64 ZAL 33.71 ZAP 173.94 ETS 140.30 ZAE 125.07 ETE 177.25 ZAC 42.34 ETC 14.33 CLP 175.15

PLANETOCENTRIC CONIC

C3 91.777 VHL 9.580 DLA -25.95 RAL 239.04 RAD 6569.8 VEL 14.599 PTH 2.65 VHP 14.223 DPA -10.84 RAP 223.24 ECC 2.5104
 LNCH AZMTH LNCH TIME L-I TIME INJ LAT INJ LONG INJ RT ASC INJ AZMTH INJ TIME PO CST TIM INJ 2 LAT INJ 2 LONG
 90.00 13 12 50 1597.85 -1.39 5.36 126.20 118.29 13 39 28 997.9 2.40 358.73
 90.00 16 35 40 930.79 18.68 326.69 135.59 111.67 16 51 10 330.8 21.46 319.12
 100.00 14 7 18 1421.96 -4.38 350.79 124.54 119.60 14 31 0 822.0 -.41 344.25
 100.00 18 23 53 5869.95 21.87 280.25 136.91 110.90 20 1 43 5269.9 24.52 272.46
 110.00 14 27 24 1358.91 -10.58 342.24 120.77 122.70 14 50 3 758.9 -6.19 335.89
 110.00 20 20 17 5505.76 28.66 255.36 139.67 109.48 21 52 2 4905.8 31.04 246.96

DIFFERENTIAL CORRECTIONS

MID-COURSE EXECUTION ACCURACY

ORBIT DETERMINATION ACCURACY

TDE-2.4328 TRA 8.2257 TC3 -.6255 BAU .7675 SGT 5786.8 SGR 409.0 SG3 118.2 ST 2193.7 SR 379.6 SS 617.0
 RDE .6296 RRA -.2397 RC3 -.0048 FAU .00035 RRT -.5953 RRF -.5840 RTF .9786 CRT -.7522 CRS .6994 CST -.9969
 FDE -.5069 FRA 2.0056 FC3 -.0033 BSP 19039 SGB 5801.3 R23 -.0006 R13 -.9786 LSA 2296.2 MSA 253.8 SSA 10.2
 BDE 2.5129 BRA 8.2292 BC3 .6256 FSP -397 SG1 5792.0 SG2 328.3 THA 177.58 EL1 2212.4 EL2 248.0 ALF 172.49